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January 19, 2005

REPORT  
of  
SOIL AND GROUNDWATER ASSESSMENT  
ASE JOB NO. 3976  
at  
Kozel Property  
1001 42<sup>nd</sup> Street  
Oakland, California

Submitted by:  
AQUA SCIENCE ENGINEERS, INC.  
208 West El Pintado  
Danville, CA 94526  
(925) 820-9391



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**Alameda County**

JAN 20 2005

**Environmental Health**

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## 1.0 INTRODUCTION

This report presents Aqua Science Engineers, Inc. (ASE)'s soil and groundwater assessment at the Kozel Property located at 1001 42<sup>nd</sup> Street in Oakland, California (Figures 1 and 2). Part of the subject property is also located in Emeryville, California as the city limit runs through the subject property. The site assessment activities were initiated by Mr. Edward Kozel of the Edward R. and Elizabeth A. Kozel Charitable Remainder Trust, owner of the property, as required by the Alameda County Health Care Services Agency (ACHCSA) in their letter dated April 2, 2004 (Appendix A).

## 2.0 BACKGROUND INFORMATION

The site was formerly owned by Boysen Paint Company, which ceased operation in the early 1980s, and was subsequently merged into the Ameritone Paint Corporation, a wholly owned subsidiary of the Grow Group. The site was purchased by Mr. and Mrs. Edward Kozel in 1981, and until recently was operated by Oakland National Engravers (ONE). A furniture restoration shop known as Rockridge Furniture Refinishing also previously occupied a portion of the property. The subject site is currently vacant.

### 2.1 Underground Storage Tank Removal from Beneath Loading Dock

In 1987, one 10,000-gallon underground storage tank (UST) used for the storage of mineral spirits was removed from beneath the truck loading dock on the 41<sup>st</sup> Street side of the property. Soil samples collected from beneath the UST at the time of the removal contained up to 43.5 parts per million (ppm) total petroleum hydrocarbons, 0.07 ppm benzene, 0.6 ppm toluene, and 17.6 ppm xylenes. Monitoring well MW-LD4 was also installed at this time. It is unknown how this well was constructed, although there has been speculation that this well may have been installed in the excavation pit.

### 2.2 Soil and Groundwater Assessment Of 41<sup>st</sup> Street UST

In 1987, O.H. Materials (OHM) began an investigation of an 8,000-gallon UST in the 41<sup>st</sup> Street sidewalk. This UST was previously used by Boysen Paint Company to store mineral spirits. A ground penetrating radar (GPR) was used to identify buried structures in the vicinity of the UST. Three underground utility lines were identified that would have been impacted by the removal of the UST.

In February 1988, OHM installed a temporary groundwater monitoring well adjacent to the UST and collected groundwater samples for analysis. Total petroleum hydrocarbons (TPH) were detected in the water samples at 610,000 parts per billion (ppb) and methylene chloride was detected at 720 ppb.

In May 1990, monitoring well MW-B1 was installed in the sidewalk on the west side of the UST. Groundwater samples collected from the monitoring well contained 57,000 ppb TPH and 11.4 ppb methylene chloride.

### 2.3 September 1991 Groundwater Sampling

In September 1991, Aqua Terra Technologies (ATT) collected groundwater samples from monitoring well MW-B1 (identified as MW-41<sup>st</sup> in their report) and MW-LD4. Groundwater samples collected from MW-B1 contained 18,000 ppb total purgeable petroleum hydrocarbons (TPPH), 29,000 ppb total petroleum hydrocarbons as kerosene (TPH-K), 5.6 ppb toluene, 250 ppb ethylbenzene, and 980 ppb total xylenes. The total dissolved solids content (TDS) was 526,000 ppb. No halogenated volatile organic compounds (HVOCs), including methylene chloride, were detected. The groundwater samples collected from MW-LD4 contained 2.0 ppb benzene, 3.1 ppb toluene, 9.0 ppb ethylbenzene, and 24 ppb total xylenes. The TDS in MW-LD4 was 695,000 ppb.

### 2.4 May 1993 UST Closure In-Place

In May 1993, Environmental Strategies Corporation (ESC) closed the 41<sup>st</sup> Street UST in-place. The sidewalk and fill were removed and the UST and piping were inspected prior to the closure. The tank piping contained holes and did not pass a pressure test. The UST, however, did pass a pressure test when it was isolated from the piping. During the excavation work, a product/water mixture that did not appear to be related to the UST was also found to be emanating from beneath the Rockridge Furniture Refinishing building at a depth of 2.5-feet below ground surface (bgs). A sample of this liquid was collected and labeled trench water. Approximately 25 tons of soil were excavated from above the tank and were disposed of off-site. Soil samples collected around the excavation pit and piping contained total extractable petroleum hydrocarbons (TEPH) up to 1.7 ppm and TPPH up to 0.74 ppm. The laboratory then identified the hydrocarbons as matching mineral spirits, although the samples were not quantified using the mineral spirit standard. The only VOC detected

was xylenes at concentrations up to 0.8 ppm. A total of 39 cubic yards of cement slurry was used to fill the void of the UST. The trench water sample contained 24,000 ppb TPPH, 12,000 ppb TEPH, and 380 ppb total xylenes. A soil sample was also collected from the sump area. This sample contained 10 ppm TEPH, 130 ppm TPPH, 1 ppm toluene, 1.3 ppm ethylbenzene, and 7.9 ppm total xylenes.

#### 2.5 May 1993 Monitoring Well Installation

In May 1993, ESC installed monitoring wells MW-B2, MW-B3 and MW-B4 in 41<sup>st</sup> Street. The site wells were sampled in June and September 1993. Groundwater samples collected in September 1993 contained total petroleum hydrocarbons as mineral spirits (TPH-MS) at 290,000 ppb in MW-B2 and 43,000 ppb in MW-B1. The remaining wells contained TPH-MS at concentrations between 700 and 2,400 ppb. No VOCs were detected during either sampling.

#### 2.6 Concrete Sump Closure and Monitoring Well Installation

The site previously contained two steel-lined concrete sumps. These sumps were apparently used by Rockridge Furniture Refinishing in conjunction with their furniture-stripping operation. Solvents used for the striping of furniture contained methylene chloride. In May 1993, ESC collected a sample of the sludge in the bottom of the sump. This sample contained 130 ppm total petroleum hydrocarbons, 1.1 ppm toluene, 1.4 ppm ethylbenzene, 14 ppm total xylenes, 0.46 ppm trichloroethene (TCE) and 17 ppm methylene chloride. Liquid in the sump on August 1993 contained 79,000 ppb methylene chloride, 12,000 ppb TCE and trace concentrations of 1,2-dichloroethylene (DCE). This liquid, approximately 110 gallons, was removed from the site.

In 1994, Block Environment Services (BES) drilled a boring adjacent to the sump and installed monitoring well BES-1 in the boring. Soil samples were collected from the boring at depths of 3 and 8-feet bgs. TCE was detected in the soil sample collected from 3-feet bgs at 0.0095 ppm and in the sample collected from 8-feet bgs at 0.013 ppm. No methylene chloride was detected in either soil or groundwater samples from this boring/well, and no TCE was detected in groundwater samples collected from this well.

#### 2.7 Neutralization Room UST Closure In-Place

A 300-gallon UST was discovered in the neutralization room along the eastern wall of the facility in November 1994. The tank location was

pinpointed using GPR. No piping was discovered associated with the UST. Due to the UST's location adjacent to the north building wall, the UST could not be safely removed and it was therefore closed in-place. The liquid contents of the UST were sampled and analyzed for pH, metals, VOCs, semi-volatile organic compounds (SVOCs), flash-point and total petroleum hydrocarbons as diesel (TPH-D) and kerosene (TPH-K). TPH-D was detected at 24 ppm and TPH-K was detected at 20 ppm. The only organic compound detected was di-n-butylphthalate at 1.2 ppm. The presence of this compound was attributed to it being an artifact of a plasticizer that is often detected in environmental samples. The contents of the UST were removed and a soil boring was drilled adjacent to the UST to a depth of 4.5-feet bgs, which represented a depth of 1-foot beneath the bottom of the UST. The soil sample was analyzed for total petroleum hydrocarbons as gasoline (TPH-G), TPH-D, VOCs, SVOCs, and oil and grease. The only compound detected was benzene at 0.007 ppm. Based on these results, the UST was backfilled with concrete and the ACHCSA issued a no further action letter regarding this UST on April 5, 1996.

## 2.8 Off-Site Groundwater Sampling

Although no reports or description of the sampling could be located, tables and figures in various reports indicate that four "temporary wells" were installed in off-site locations near the site. These "temporary wells" are assumed to be Hydropunch sampling points based on their labels of HP-1 through HP-4. Since there are two sampling dates for HP-1 listed, it is also assumed that sampling in this location was repeated. Groundwater samples collected from HP-1 contained 21,000 ppb TPH-MS in December 1999, but contained less than 50 ppb in January 2000. Groundwater samples collected from HP-1 and HP-3 contained less than 100 ppb TPH-MS, and samples from HP-4 contained 570 ppb TPH-MS. It should be noted that HP-1 is located west of the Dunne Paint property and HP-4 was located south of the Dunne Paint property.

## 2.9 Groundwater Sampling

Groundwater samples have been collected on a periodic basis from the site groundwater monitoring wells. Depth to groundwater data and analytical results from the groundwater sampling are tabulated in Tables One and Two. During the most recent sampling on December 16, 2004, 0.02-feet of free-floating hydrocarbons were measured in monitoring well MW-B1, adjacent to the former UST, and 0.02-feet of free-floating hydrocarbons were measured in BES-1, adjacent to the former sump. Monitoring well MW-B2 contained TPH-MS at 480 ppb, and MW-B4

contained 450 ppb TPH-MS. No TPH-MS was detected in groundwater samples collected from MW-B3. No TPH-MS was detected in any of the Dunne Paint wells during their most recent sampling in September 2004. Monitoring well MW-LD4 was found full of cement. No information is available on the destruction of this well.

#### 2.10 March 1998 and January 2004 Phase I Reports

In March 1998, National Assessment Corporation (NAC) prepared a Phase I Environmental Site Assessment for the site. A second Phase I report was prepared by ASE in January 2004. Besides the UST and sump area issues discussed above, potential on-site environmental concerns discussed in the Phase I reports included (a) potential contamination in the former etching room, and (b) potential contamination in the former drum storage area. Although not noted in either Phase I report as a potential concern, ASE will also investigate the former ASTs near the former sump area as a potential source area.

#### 2.11 July 2004 Conduit Study, Area Well Survey and Workplan

In July 2004, ASE conducted a survey to determine whether subsurface utility lines in the site vicinity could act as a conduit for the preferential movement of groundwater 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. Figure 2 presents the location of all known utility lines in the site vicinity. None of the natural gas, water, electrical, telephone or cable TV lines in the site vicinity were determined to be potential conduits for the preferential movement of groundwater.

The sanitary sewer lines in 41<sup>st</sup> Street, Adeline Street, and Linden Street are deeper than the groundwater elevations during some of the groundwater monitoring events. For this reason, these lines are potential conduits for the preferential movement of groundwater. The City of Emeryville has an 18-inch diameter storm sewer line down Adeline Street. The bottom of this line is approximately 5 to 6-feet bgs and pitches to the south. There was no information available as to what material may have been used to backfill the trenches over the line. Since groundwater has been measured at the site as shallow as 5.08-feet bgs, it is possible that this line could be a conduit for the movement of groundwater during rare periods of high water table. However, since the water table at the site is

typically 6 to 8-feet bgs, this line would not be considered a potential conduit for the movement of contamination except during very rare periods of very high water table conditions.

EBMUD has a line known as the Adeline Storm Water Interceptor beneath Adeline Street. This is a 48-inch diameter line with a total depth of 18-feet bgs. The bottom of this line is always below the typical depth of groundwater in the site vicinity. For this reason, this line should be considered a potential conduit for the preferential movement of groundwater. Trench plugs were placed in the annular space surrounding the line to prevent the preferential movement of groundwater along this conduit. These trench plugs should prevent this trench line from being a preferential pathway for the movement of contaminated groundwater. The as-built drawings for this line show that extra trench plugs were placed along this line between 40<sup>th</sup> Street and 41<sup>st</sup> Street in an area where soil contamination was encountered (Appendix B). This location is southwest of the site and directly west of the former Dunne Paint facility.

ASE also conducted an area well survey to locate wells within 1/4-mile of the site. Thirteen wells were identified during this survey. Of these wells, eight are monitoring wells, two are cathodic protection wells, one is a destroyed well, and two are of unknown use. No domestic, irrigation or municipal water supply wells were located. Based on the well locations and the groundwater flow direction, the only well that appears to be a potential conduit for the movement of contamination would be the destroyed well near the site which consisted of pea gravel fill between 20 and 65-feet bgs. However, it appears that this well is generally upgradient of the site. Since mineral spirits are not readily soluble in water, and given that there is no apparent pumping stress on the deeper aquifer, it is highly unlikely that this destroyed well could be a conduit for the downward movement of contamination.

Other conduits were also investigated and no basements were located in any of the residential units adjacent to the site. The conduit study and area well survey were included in the workplan dated July 23, 2004. This report presents the results of the work described in the workplan.

### **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 assess the risk associated with the presence of soil and groundwater contamination beneath the site. The scope of work for this project was to:

- 1) Obtain a drilling permit from the Alameda County Public Works Agency (ACPWA).
- 2) Obtain encroachment permits from the Cities of Oakland and Emeryville to drill in city streets.
- 3) Contract with a subsurface utility locating service to clear drilling locations of underground utility lines.
- 4) Drill at least 20 soil borings in both on and off-site locations and collect soil and groundwater samples for analysis.
- 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 at a CAL-DHS certified analytical laboratory for TPH-MS by modified EPA Method 8015 and VOCs by EPA Method 8260B.
- 7) Drill additional borings if necessary to complete the definition of contamination.
- 8) Prepare a report presenting results from this assessment.

### **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 Emeryville and an excavation permit from the City of Oakland to allow for drilling in their street and sidewalk areas. Copies of the permits are presented in Appendix C.

## 4.2 Drilling and Soil Sample Collection

On October 18 through October 22, 2004, Vironex, Inc. of San Leandro, California drilled soil borings BH-A through BH-W at the site using a Geoprobe hydraulic sampling rig. Based on the analytical results of the soil and groundwater samples, borings BH-X through BH-Z were drilled on November 9, 2004 and borings BH-AA through BH-CC were drilled on December 14, 2004 to further define the extent of contamination on the eastern portion of the site. The boring locations are shown on Figure 3. The drilling was directed by ASE associate geologist Damion Hriciga.

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 using hydraulic direct push methods. 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 D.

## 4.3 Groundwater Sample Collection

A temporary PVC well casing was driven into place in each boring for the collection of groundwater samples. Groundwater samples were removed from the boring with a pre-cleaned bailer. The groundwater samples to be analyzed for volatile compounds were contained in 40-ml volatile organic analysis (VOA) vials, preserved with hydrochloric acid, and sealed without headspace. The samples to be analyzed for non-volatile compounds were placed into 1-liter amber glass bottles. The samples



were then labeled and stored in an ice chest with wet ice for transport to the analytical laboratory under chain of custody.

Borings BH-D, BH-V and BH-CC were dry, so no groundwater samples could be collected from these borings. Due to the low permeability in the water-bearing zone in borings BH-F and BH-G, only VOC vials could be collected for VOC analysis. There was insufficient water in these borings to fill 1-liter amber glass bottles for TPH-MS analysis.

#### 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 BORING ELEVATION SURVEY**

On January 11, 2005, ASE surveyed the top of boring elevations relative to a site datum to assist with the preparation of geologic cross-sections. Data for the survey is included in Table Three. The top of casing elevation of monitoring well MW-B1 was used as an elevation benchmark for this survey to tie the boring elevations to mean sea level (msl).

### **6.0 LITHOLOGY AND HYDROGEOLOGY**

Boring logs are presented in Appendix D. Two geologic cross-sections have been prepared for the site. The cross-section locations are shown on Figure 4. The geologic cross-sections are shown on Figures 5 and 6.

In general, low permeability sediments such as clayey silt or silty clay were encountered from beneath the concrete or asphalt surface to approximately 13-feet below ground surface (bgs). Medium and/or highly permeability sediments (such as gravelly sand or silty sand) were encountered below 13-feet to the total depth explored in many of the borings. Borings to the north generally showed lower permeability than borings to the south. Depth to groundwater was highly variable throughout the site. The groundwater depth was below the depth of the sewer line located within 41<sup>st</sup> Street in all of the borings adjacent to that line.

## 7.0 ANALYTICAL RESULTS FOR SOIL AND GROUNDWATER SAMPLES

### 7.1 Soil Sample Analysis

At least one soil sample was analyzed from each soil boring. The sample chosen for analysis was the sample that appeared to be the most contaminated based on odors, staining or PID readings. If there was no indication of contamination then the sample from the capillary zone was chosen for analysis. Two samples were analyzed from boring BH-CC since no groundwater could be collected from that boring. Each sample was analyzed by Severn Trent Laboratories (STL) of Pleasanton, California (CA DHS ELAP #2496) for TPH-MS by modified EPA Method 8015 and VOCs by EPA Method 8260B. The analytical results are tabulated in Table Four. The certified analytical report and chain of custody are presented in Appendix E.

In general, only relatively low concentrations of TPH-MS and VOCs were detected in the soil samples. The only soil sample that contained TPH-MS at concentrations exceeding the Environmental Screening Level (ESL) for residential soil in areas where groundwater is not a current or potential source of drinking water was the sample collected from 11.5-foot bgs in boring BH-AA. 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 July 2003.

### 7.2 Groundwater Sample Analysis

All of the groundwater samples were analyzed by STL for VOCs by EPA Method 8260B. With the exception of borings BH-F and BH-G, the groundwater samples were also analyzed for TPH-MS by modified EPA Method 8015 with silica gel cleanup. There was insufficient water in borings BH-F and BH-G to collect the 1-liter bottles of groundwater necessary for the TPH-MS analyses, so TPH-MS could not be analyzed in sample from these two borings. The analytical results are tabulated in Table Five. The certified analytical report and chain of custody are presented in Appendix E.

TPH-MS was detected at concentrations exceeding ESLs for groundwater in areas where groundwater is not a current or potential source of drinking water in samples collected from borings BH-B, BH-E, BH-H through BH-K,

BH-P through BH-R, BH-T, BH-U, BH-W, and BH-Y through BH-DD. None of the other VOCs detected exceeded ESLs, with the exception of naphthalene in the groundwater sample collected from BH-Z. TPH-MS concentrations are plotted on Figure 7.

## 8.0 CONCLUSIONS

Only one soil sample (11.5-foot bgs in boring BH-AA) of the 32 soil samples collected during this assessment contained TPH-MS concentrations exceeding ESLs, which indicates that the groundwater is the primary media to be addressed.

Elevated TPH-MS concentrations have been detected in groundwater both on and off-site. There appear to be multiple significant potential source areas of the mineral spirits in groundwater at the site, including:

- A significant source area located under the site building on the eastern portion of the site. The exact source in this area is not known; however, this is the only area on the property with TPH-MS concentrations in soil over ESLs. Some of the highest TPH-MS concentrations on the site are located in this area.
- The area surrounding the former UST under the truck loading dock appears to be a source of TPH-MS in groundwater. Although the TPH-MS concentrations were not the highest in boring BH-U, this boring appeared to contain free-floating product in the pea gravel fill material.
- The former UST and/or UST piping under the 41<sup>st</sup> Street sidewalk appear to be a source of TPH-MS in groundwater.

In addition, there are several other areas that may be less significant potential source areas including:

- The former ASTs on the southern portion of the property may have also been a source of TPH-MS in groundwater, although this is not certain because of the close proximity between this area and the former UST in the truck loading dock. The only boring in this area that contained extremely high TPH-MS concentrations was BH-B, which is the boring closest to the former UST in the truck loading dock. In addition, no TPH-MS was detected in soil samples from any of the borings in this area at concentrations above ESLs.

- The sump near BES-1 may also have been a source area; however, this appears to be a minor source, if a source at all, since none of the highest TPH-MS concentrations at the site were located in this area. *other cases?*
- There may be a source of mineral spirits in the former Rockridge Furniture Building; however, this appears to be a minor source, if a source at all, since none of the highest TPH-MS concentrations at the site were located in this area.

The extent of TPH-MS in soil and groundwater appears to be well defined on-site, with the exception of the far northeastern location in the building to the east. The extent off-site is not completely defined. However, groundwater samples collected from monitoring wells MW-B3, MW-D1, MW-D2 and boring HP-2 suggest that the mineral spirits related to the Kozel property has not migrated south onto the former Dunne Paint property directly across 41<sup>st</sup> Street to the south. Although borings were only drilled in sidewalk areas, the mineral spirits related to the former UST in the 41<sup>st</sup> Street sidewalk appear to have migrated to the west, including potential migration under the residential property at 1020 41<sup>st</sup> Street and 4102 Adeline Street. It is not known at this time whether any mineral spirits related to the Kozel property may have migrated as far as the Adeline Storm Water Interceptor. However, notes from the installation of the Adeline Storm Water Interceptor do not indicate mineral spirit odors at 41<sup>st</sup> Street, but only south of 41<sup>st</sup> Street west of the former Dunne Paint property.

## 9.0 RECOMMENDATIONS

In order to obtain case closure for the site, ASE recommends the following.

- Complete the definition of TPH-MS extent in both on and off-site areas. It is ASE's opinion that VOC analyses can be eliminated for all future sampling in off-site locations since VOCs were detected at concentrations above ESLs in only one on-site location.
- Remove free-floating product and lower the mineral spirit concentrations in groundwater.
- Conduct a human-health risk assessment to determine whether residual TPH-MS at the site presents a risk to human health in residential property usage scenarios.

## 10.0 REPORT LIMITATIONS

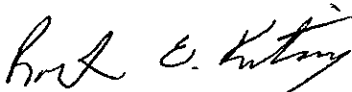
The results of this assessment represent conditions at the time of the soil and groundwater sampling, at the specific locations at which the samples were collected, and for the specific parameters analyzed by the laboratory.

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.

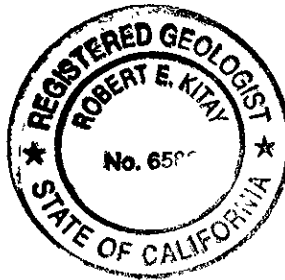
Aqua Science Engineers appreciates the opportunity provide environmental consulting services for this project. Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

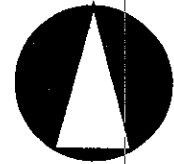
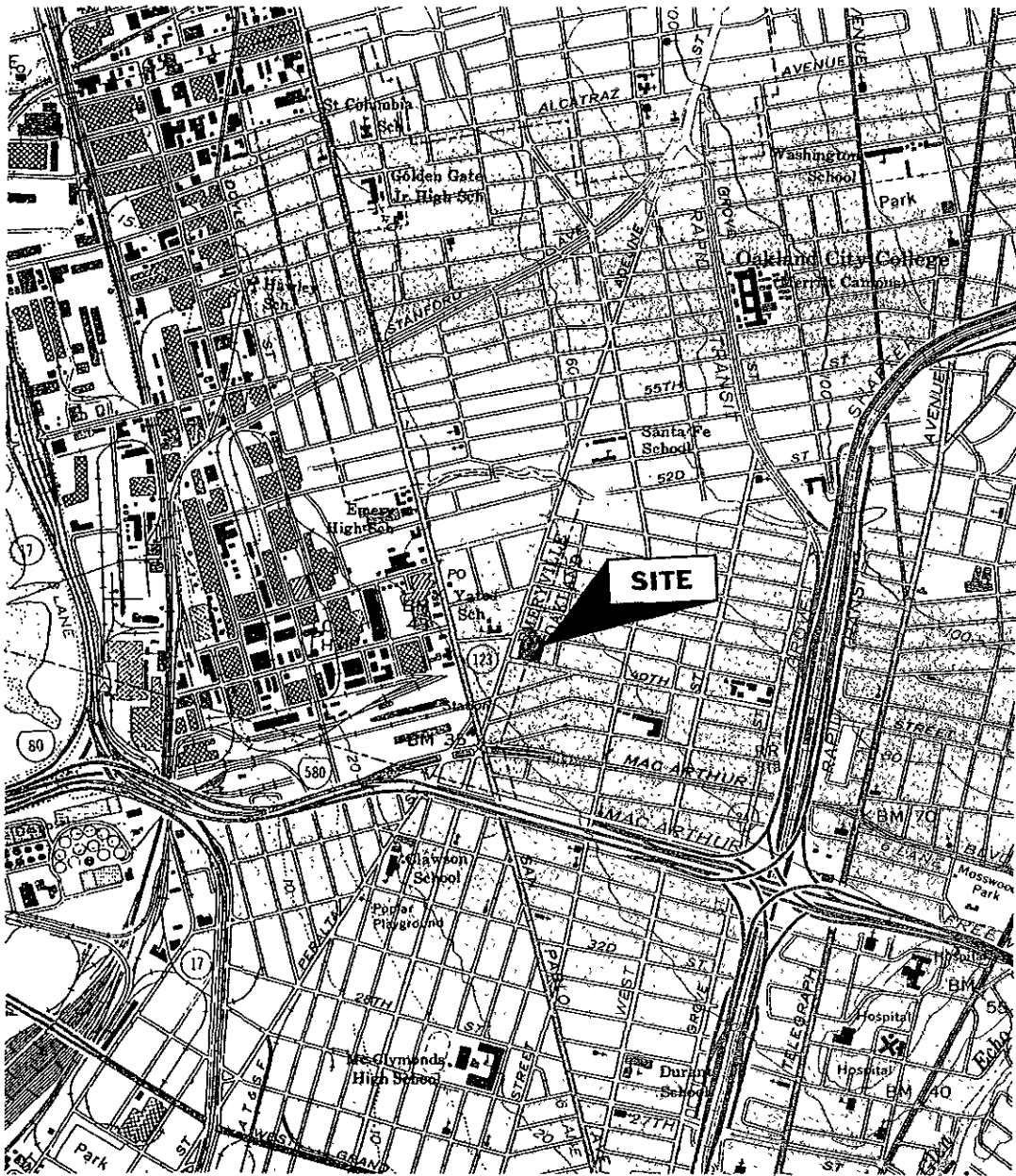


Robert E. Kitay, R.G., R.E.A.  
Senior Geologist



Attachments: Figures 1 through 7  
Tables One through Five  
Appendices A through E

# FIGURES



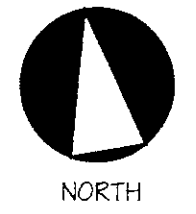
NORTH

## SITE LOCATION MAP

Kozel Property  
 1001 42nd Street  
 Oakland, California

AQUA SCIENCE ENGINEERS, INC.

FIGURE 1



SCALE  
1 INCH = 50 FEET











42nd STREET

ADELINE STREET

LINDEN STREET

41st STREET

LEGEND

-  FORMER UST
-  MW-B4 MONITORING WELL FOR KOZEL PROPERTY
-  MW-D2 MONITORING WELL FOR DUNNE PAINTS
-  HP-4 TEMPORARY WELL LOCATION
-  GAS LINE
-  ELECTRIC LINE
-  TELEPHONE LINE
-  STORM SEWER LINE
-  SANITARY SEWER LINE
-  WATER LINE

SITE PLAN AND UTILITY  
LINE LOCATION MAP

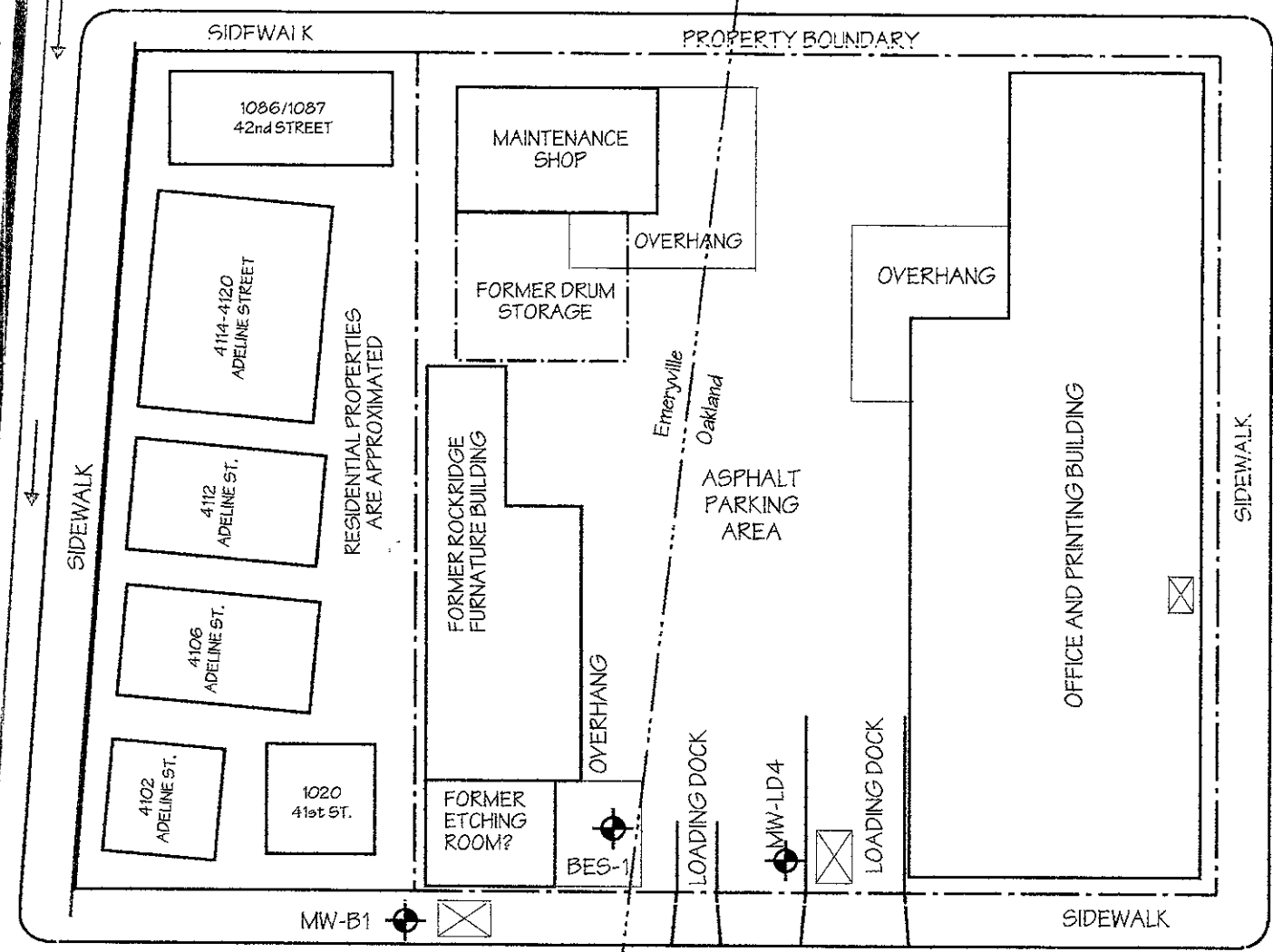
Date: July 23, 2004

Scale: 1" = 50'

Kozel Property  
1001 42nd Street  
Oakland, California

Aqua Science Engineers, Inc.

Figure 2



HP-3

MW-B1

MW-B4

MW-B2

BES-1

MW-LD4

HP-2

MW-B3

MW-D1

MW-D2

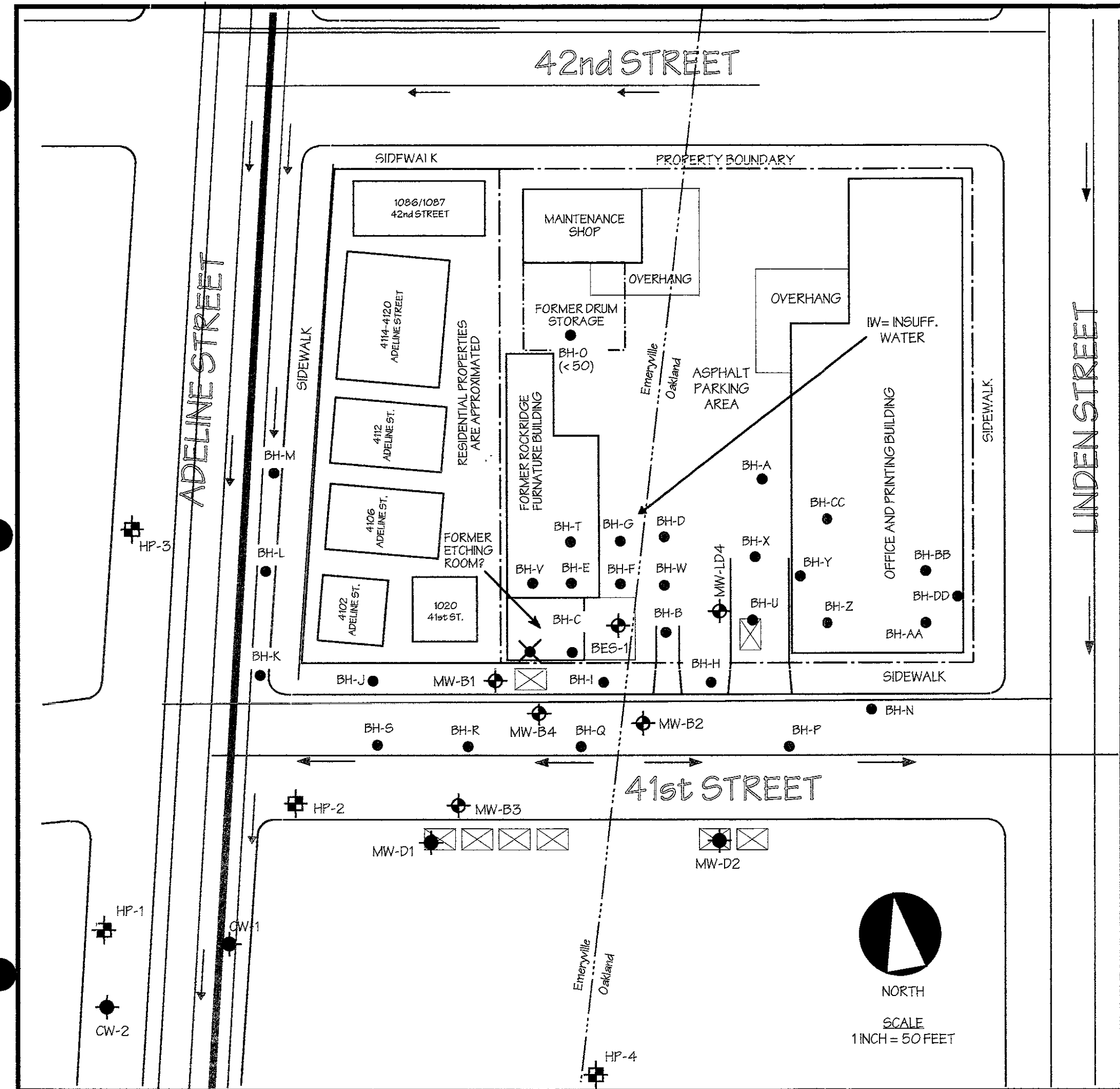
HP-1

CW-1

CW-2

HP-4



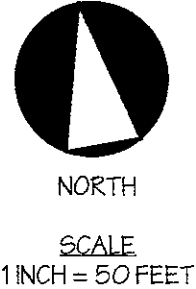


### LEGEND

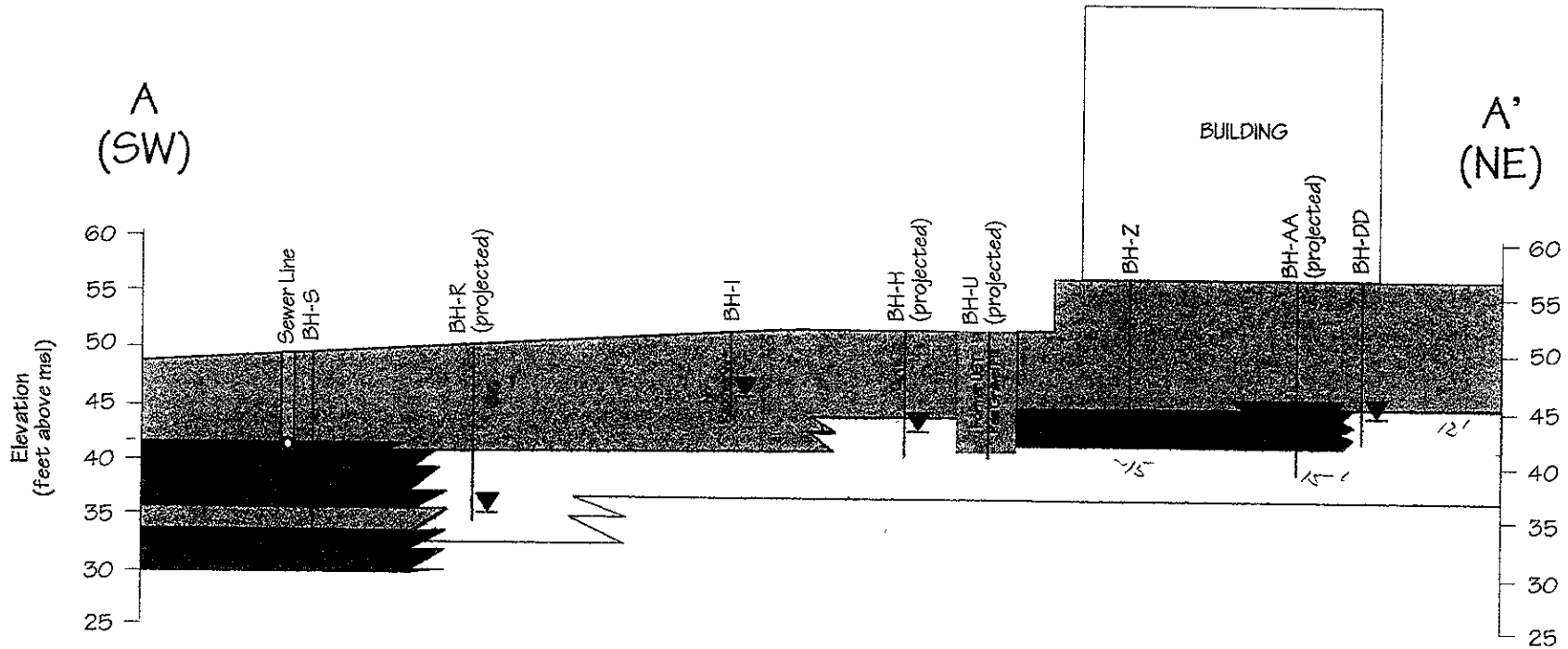
- FORMER UST
- MW-B4 MONITORING WELL FOR KOZEL PROPERTY
- MW-D2 MONITORING WELL FOR DUNNE PAINTS
- HP-4 TEMPORARY WELL LOCATION
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- STORM SEWER LINE
- SANITARY SEWER LINE
- WATER LINE
- GEOPROBE BORING LOCATION
- BADGER BORING LOCATION

## BORING LOCATION MAP






Date: January 17, 2005	Scale: 1" = 50'
Kozel Property 1001 42nd Street Oakland, California	
Aqua Science Engineers, Inc.	Figure 3

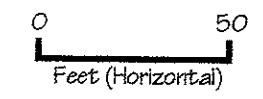


# GEOLOGIC CROSS-SECTION A-A'



**LEGEND**

-  Soil of low to very low permeability
-  Soil of medium permeability
-  Soil of high permeability
-  Fill material
-  Water Level



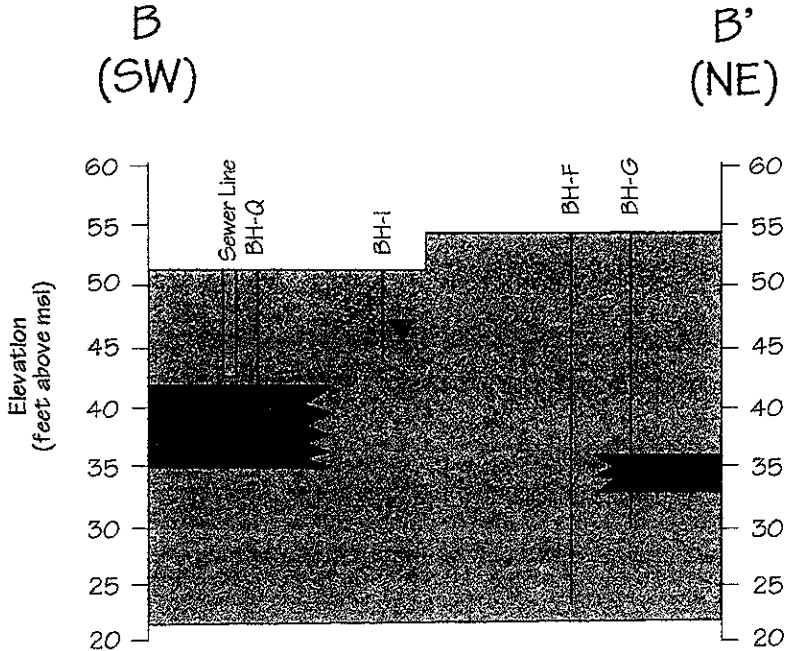
Horizontal Scale: 1" = 50'  
Vertical Exaggeration: 3 x

**Geologic Cross Section A-A'**






Kozel Property  
1001 42nd Street  
Oakland, California

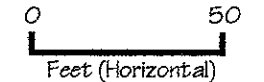
AQUA SCIENCE ENGINEERS, INC. Figure 5

# GEOLOGIC CROSS-SECTION B-B'



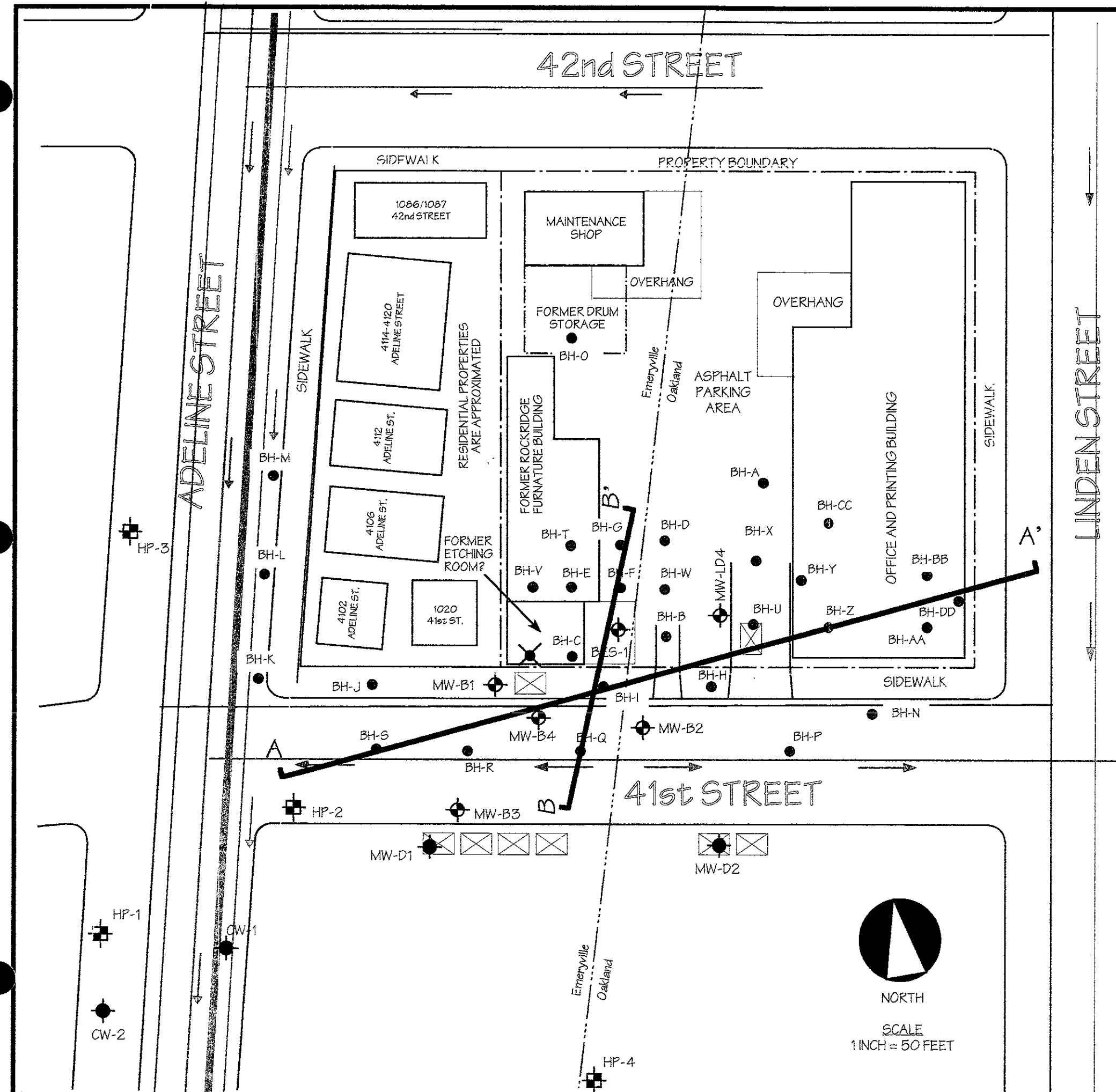
**LEGEND**

-  Soil of low to very low permeability
-  Soil of medium permeability
-  Soil of high permeability
-  Fill material
-  Water Level















Horizontal Scale: 1" = 50'  
Vertical Exaggeration: 3x

<i>Geologic Cross Section B-B'</i>	
Kozel Property 1001 42nd Street Oakland, California	
AQUA SCIENCE ENGINEERS, INC.	Figure 6



**LEGEND**

-  FORMER UST
-  MW-B4 MONITORING WELL FOR KOZEL PROPERTY
-  MW-D2 MONITORING WELL FOR DUNNE PAINTS
-  HP-4 TEMPORARY WELL LOCATION
-  GAS LINE
-  ELECTRIC LINE
-  TELEPHONE LINE
-  STORM SEWER LINE
-  SANITARY SEWER LINE
-  WATER LINE
-  GEOPROBE BORING LOCATION
-  BADGER BORING LOCATION

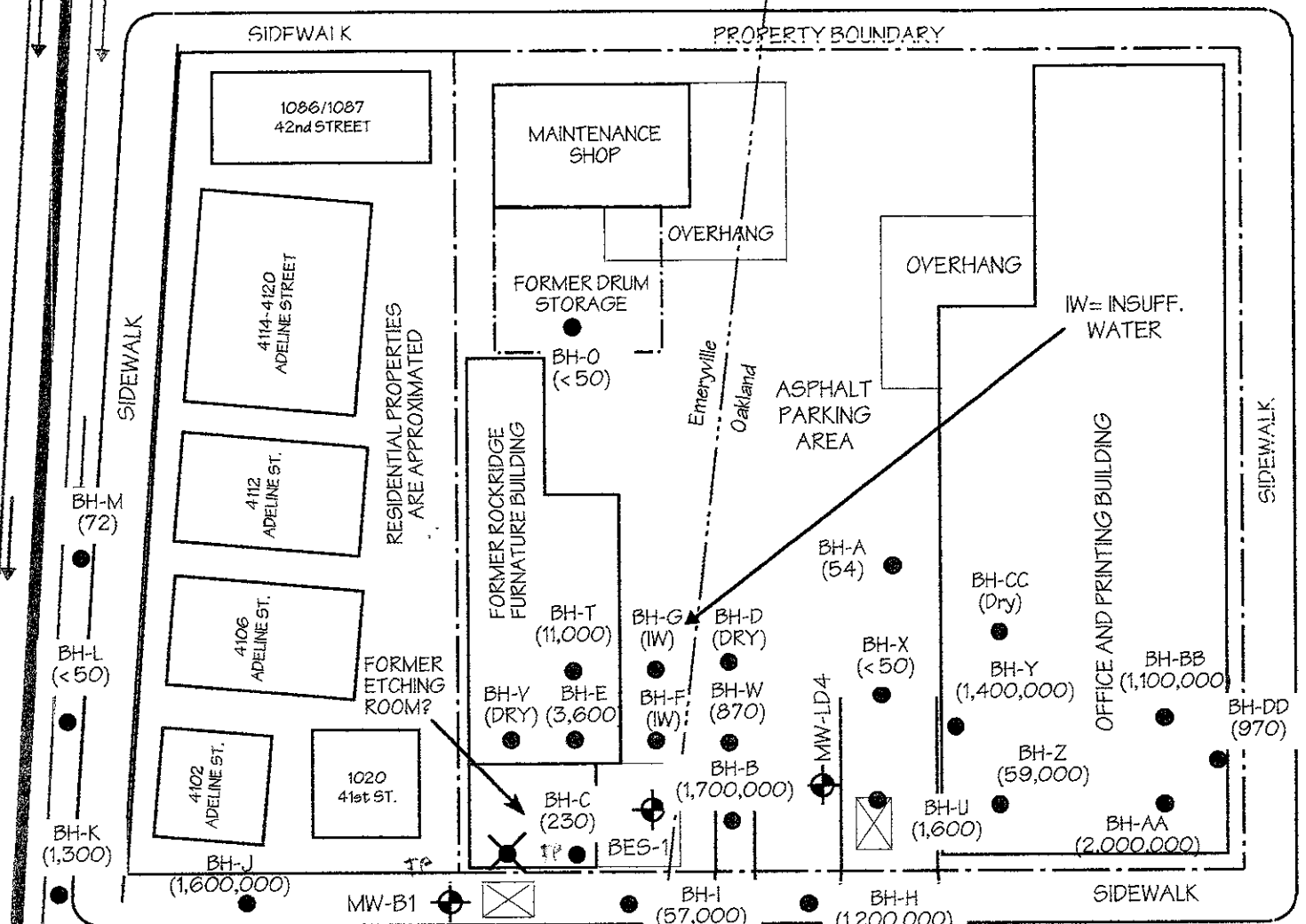
**GEOLOGIC CROSS-SECTION  
LOCATION MAP**

Date: January 14, 2005	Scale: 1" = 50'
Kozel Property 1001 42nd Street Oakland, California	
Aqua Science Engineers, Inc.	Figure 4

42nd STREET

ADELINE STREET

LINDEN STREET



LEGEND

- FORMER UST
- MW-B4 MONITORING WELL FOR KOZEL PROPERTY
- MW-D2 MONITORING WELL FOR DUNNE PAINTS
- HP-4 TEMPORARY WELL LOCATION
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- STORM SEWER LINE
- SANITARY SEWER LINE
- WATER LINE
- GEOPROBE BORING LOCATION
- BADGER BORING LOCATION

TPH-MS CONCENTRATIONS  
IN GROUNDWATER IN  
PARTS PER BILLION

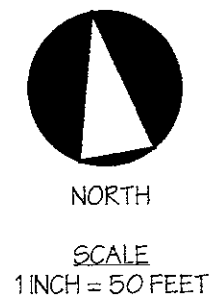
Date: January 17, 2005

Scale: 1" = 50'

Kozel Property  
1001 42nd Street  
Oakland, California

Aqua Science Engineers, Inc.

Figure 7



HP-3

HP-1

CW-2

CW-1

MW-D1

MW-B3

MW-D2

HP-4

BH-M (72)

BH-L (<50)

BH-K (1,300)

BH-J (1,600,000)

BH-S (520)

BH-R (880,000)

BH-Q (110,000)

MW-B4

MW-B2

BH-P (690)

BH-N (<50)

MW-B1

BH-C (230)

BH-I (57,000)

BH-H (1,200,000)

MW-LD4

BH-U (1,600)

BH-V (DRY)

BH-E (3,600)

BH-F (IW)

BH-W (870)

BH-B (1,700,000)

BH-Z (59,000)

BH-AA (2,000,000)

BH-T (11,000)

BH-G (IW)

BH-D (DRY)

BH-X (<50)

BH-Y (1,400,000)

BH-CC (Dry)

BH-BB (1,100,000)

BH-O (<50)

BH-A (54)

BH-YY (970)

BH-DD (970)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-CC (Dry)

BH-YY (1,400,000)

BH-BB (1,100,000)

BH-DD (970)

BH-T (11,000)

BH-G (IW)

BH-D (DRY)

BH-X (<50)

BH-Y (1,400,000)

BH-CC (Dry)

BH-BB (1,100,000)

BH-O (<50)

BH-A (54)

BH-YY (970)

BH-DD (970)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-T (11,000)

BH-G (IW)

BH-D (DRY)

BH-X (<50)

BH-Y (1,400,000)

BH-CC (Dry)

BH-BB (1,100,000)

BH-O (<50)

BH-A (54)

BH-YY (970)

BH-DD (970)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-T (11,000)

BH-G (IW)

BH-D (DRY)

BH-X (<50)

BH-Y (1,400,000)

BH-CC (Dry)

BH-BB (1,100,000)

BH-O (<50)

BH-A (54)

BH-YY (970)

BH-DD (970)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-T (11,000)

BH-G (IW)

BH-D (DRY)

BH-X (<50)

BH-Y (1,400,000)

BH-CC (Dry)

BH-BB (1,100,000)

BH-O (<50)

BH-A (54)

BH-YY (970)

BH-DD (970)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-T (11,000)

BH-G (IW)

BH-D (DRY)

BH-X (<50)

BH-Y (1,400,000)

BH-CC (Dry)

BH-BB (1,100,000)

BH-O (<50)

BH-A (54)

BH-YY (970)

BH-DD (970)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-T (11,000)

BH-G (IW)

BH-D (DRY)

BH-X (<50)

BH-Y (1,400,000)

BH-CC (Dry)

BH-BB (1,100,000)

BH-O (<50)

BH-A (54)

BH-YY (970)

BH-DD (970)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-T (11,000)

BH-G (IW)

BH-D (DRY)

BH-X (<50)

BH-Y (1,400,000)

BH-CC (Dry)

BH-BB (1,100,000)

BH-O (<50)

BH-A (54)

BH-YY (970)

BH-DD (970)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-YY (1,400,000)

BH-T (11,000)

BH-G (IW)

BH-D (DRY)

BH-X (<50)

BH-Y (1,400,000)

BH-CC (Dry)

BH-BB (1,100,000)

# TABLES

**TABLE ONE**  
 Groundwater Elevation Data  
 Kozel Property  
 1001 42nd Street, Oakland, CA 94608

Well ID	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Depth to Product (feet)	Groundwater Elevation (msl)
<b>Former ONE Facility</b>					
MW-B1	6/10/93	49.92	6.14		43.78
	7/8/93		6.64		43.28
	8/24/93		6.69		43.23
	9/29/93		8.46		41.46
	10/20/93		6.69		43.23
	11/23/93		6.65		43.27
	12/10/98		---		---
	12/14/99		---		---
	6/15/04		6.00	5.85	44.04*
	9/14/04		6.18	6.14	43.77*
	12/16/04		4.14	4.12	45.78*
	MW-B2		6/10/93	50.77	6.75
7/8/93		6.91			43.86
8/24/93		7.22			43.55
9/29/93		8.80			41.97
10/20/93		7.25			43.52
11/23/93		7.26			43.51
12/10/98		6.43			44.34
12/14/99		6.50			44.27
6/15/04		6.40			44.37
9/14/04		6.56			44.21
12/16/04		5.88			44.89
MW-B3		6/10/93	49.02		6.85
	7/8/93	6.05			42.97
	8/24/93	6.21			42.81
	9/29/93	7.74			41.28
	10/20/93	6.24			42.78
	11/23/93	6.18			42.84
	12/10/98	4.94			44.08
	12/14/99	5.08			43.94
	6/15/04	5.43			43.59
	9/14/04	5.63			43.39
	12/16/04	4.67			44.35

**TABLE ONE**  
 Groundwater Elevation Data  
 Kozel Property  
 1001 42nd Street, Oakland, CA 94608

Well ID	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Depth to Product (feet)	Groundwater Elevation (msl)
MW-B4	6/10/93	49.74	6.00		43.74
	7/8/93		6.14		43.60
	8/24/93		6.34		43.40
	9/29/93		7.97		41.77
	10/20/93		6.11		43.63
	11/23/93		6.38		43.36
	12/10/98		6.20		43.54
	12/14/99		6.05		43.69
	6/15/04		5.58	sheen	44.16
	9/14/04		5.95		43.79
	12/16/04		5.24		44.50
MW-LD4	6/10/93	51.51	6.98		44.53
	7/8/93		7.18		44.33
	8/24/93		7.31		44.20
	9/29/93		7.43		44.08
	10/20/93		7.37		44.14
	11/23/93		7.32		44.19
	12/10/98		6.14		45.37
	12/14/99		6.52		44.99
	6/15/04		Well Abandoned		
BES-1	12/10/98	Not surveyed	10.18		---
	12/14/99		10.98		---
	6/15/04		9.95	9.94	---
	9/14/04		10.28	10.21	---
	12/16/04		54.27	7.94	7.92



**TABLE ONE**  
 Groundwater Elevation Data  
 Kozel Property  
 1001 42nd Street, Oakland, CA 94608

Well ID	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Depth to Product (feet)	Groundwater Elevation (msl)
<b>Former Dunne Paints</b>					
MW-D1	6/10/93	50.56	5.29		45.27
	7/8/93		5.67		44.89
	8/24/93		6.01		44.55
	9/29/93		7.69		42.87
	10/20/93		6.20		44.36
	11/23/93		6.08		44.48
	12/14/99	49.32	4.60		45.96
	11/12/03		5.98		43.34
	3/12/03		5.97		43.35
	6/15/04		6.07		43.25
	9/14/04		5.86		43.46
MW-D2	6/10/93	50.56	6.25		44.31
	7/8/93		6.37		44.19
	8/24/93		6.47		44.09
	9/29/93		7.96		42.60
	10/20/93		6.48		44.08
	11/23/93		6.44		44.12
	12/10/98	50.52	5.68		44.88
	12/14/99		5.80		44.76
	11/12/03		9.52		41.00
	3/12/03		8.94		41.58
	6/15/04		5.89		44.63
9/14/04	6.01		44.51		
CW-1	11/12/03	47.55	8.93		38.62
	3/12/03		6.85		40.70
	6/15/04		7.85		39.70
	9/14/04		8.38		39.17
CW-2	11/12/03	47.59	9.25		38.34
	3/12/03		7.22		40.37
	6/15/04		8.40		39.19
	9/14/04		8.98		38.61

**TABLE ONE**  
 Groundwater Elevation Data  
 Kozel Property  
 1001 42nd Street, Oakland, CA 94608

Well ID	Date of Measurement	Top of Casing Elevation (msl)	Depth to Water (feet)	Depth to Product (feet)	Groundwater Elevation (msl)
CW-3	11/12/03	46.39	8.30		38.09
	3/12/03		6.04		40.35
	6/15/04		7.74		38.65
	9/14/04		8.65		37.74

**NOTES:**

\* = Groundwater elevation adjusted for free-floating hydrocarbons by the equation:  
 Adjusted groundwater elevation = Top of of casing elevation - depth to groundwater +  
 (0.8 x free-floating hydrocarbon thickness)

Current data is in **bold**.

**TABLE TWO**

Summary of Analytical Results for GROUNDWATER Samples  
 Kozel Property (Former O.N.E. Color Communications)  
 And Former Dunne Quality Paints  
 1001 42nd Street, Oakland, CA 94608  
 All results are in parts per billion (ppb)

Well ID & Dates Sampled	Mineral Spirits	Other TPH (As Noted)	Toluene	Ethyl benzene	Total Xylenes	tert-Butyl benzene	sec-Butyl benzene	n-Butyl benzene	Vinyl chloride	1,1-Dichloro ethane	trans-1,2- Dichloro ethene	cis-1,2- Dichloro ethene	Other VOCs
<b>Former O.N.E. Color Communications</b>													
<b>MW-B1</b>													
9/30/1991	-	< 50 <sup>a</sup> ; 18,000 <sup>b</sup> ; 29,000 <sup>c</sup>	6	250	980	ND	ND	ND	ND	ND	ND	ND	5 (benzene)
6/10/1993	-	27,000 <sup>b</sup> ; 57,000 <sup>d</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/29/1993	43,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5/28/2003	26,000	1,100,000 <sup>a</sup> ; 37,000 <sup>c</sup>	< 2.5	< 2.5	< 2.5	23	< 2.5	< 2.5	< 2.5	< 2.5	-	< 2.5	< 2.5 - < 25
6/15/2004						Not Sampled Due to Free Product							
9/14/2004						Not Sampled Due to Free Product							
12/16/2004						Not Sampled Due to Free Product							
<b>MW-B2</b>													
6/10/1993	-	3,800 <sup>b</sup> ; 1,400 <sup>d</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/29/1993	290,000	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/1998	150,000	< 1,000 <sup>a</sup> ; ND <sup>b</sup> ; 2,400 <sup>c</sup> ; < 1,000 <sup>d</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/14/1999	630	-	-	-	-	-	-	-	-	-	-	-	-
5/28/2003	1,100	22,000 <sup>a</sup> ; 1,600 <sup>c</sup>	< 0.5	< 0.5	< 0.5	3.2	3.2	< 0.5	< 0.5	< 0.5	-	< 0.5	< 0.5 - < 5
6/15/2004	3,000	-	< 5.0	< 5.0	< 10	< 10	< 10	33	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 - < 500
9/14/2004	410	-	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 - < 500
12/16/2004	480	-	< 0.5	< 0.5	< 1.0	1.8	1.4	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 - < 50
<b>MW-B3</b>													
6/10/1993	-	1,700 <sup>b</sup> ; 510 <sup>d</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/29/1993	2,400	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/1998	120	ND <sup>a</sup> ; ND <sup>b</sup> ; 830 <sup>c</sup> ; ND <sup>d</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/14/1999	< 50	-	-	-	-	-	-	-	-	-	-	-	-
5/28/2003	ND	ND <sup>a</sup> ; ND <sup>c</sup>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	< 0.5	< 0.5 - < 5
6/15/2004	< 50	-	< 0.5	< 0.5	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 - < 50
9/14/2004	< 50	-	< 0.5	< 0.5	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 - < 50
12/16/2004	< 50	-	< 0.5	< 0.5	< 10	< 10	< 10	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5 - < 50
<b>MW-B4</b>													
6/10/1993	-	36,000 <sup>b</sup> ; 36,000 <sup>d</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9/29/1993	1,400	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/10/1998	7,500	1,000 <sup>a</sup> ; ND <sup>b</sup> ; 2,700 <sup>c</sup> ; ND <sup>d</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/14/1999	5,100	-	-	-	-	-	-	-	-	-	-	-	-
5/28/2003	990	7,000 <sup>a</sup> ; 14,000 <sup>c</sup>	< 0.5	< 0.5	< 0.5	2.8	< 0.5	< 0.5	1.8	< 0.5	-	< 0.5	< 0.5 - < 5
6/15/2004	1,300	-	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 - < 500
9/14/2004	400	-	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 - < 500
12/16/2004	450	-	< 1.0	< 1.0	< 2.0	4.6	< 2.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 - < 100



**TABLE TWO**

Summary of Analytical Results for GROUNDWATER Samples  
 Kozel Property (Former O.N.E. Color Communications)  
 And Former Dunne Quality Paints  
 1001 42nd Street, Oakland, CA 94608  
 All results are in parts per billion (ppb)

Well ID & Dates Sampled	Mineral Spirits	Other TPH (As Noted)	Toluene	Ethyl benzene	Total Xylenes	tert-Butyl benzene	sec-Butyl benzene	n-Butyl benzene	Vinyl chloride	1,1-Dichloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Other VOCs
<b>MW-D2</b>													
8/26/1988	1,600	-	-	-	-	-	-	-	-	-	-	-	-
1/18/1989	< 1,000	-	6.3	ND	12	-	-	-	-	-	-	-	-
4/24/1989	< 1,000	-	ND	ND	7.7	-	-	-	-	-	-	-	-
2/21/1990	300	-	ND	0.3	1.5	-	-	-	-	-	-	-	-
6/10/1992	76	ND <sup>a</sup> ; ND <sup>c</sup>	ND	ND	ND	-	-	-	-	-	-	-	-
6/10/1993	-	9,100 <sup>a</sup> ; 6,200 <sup>d</sup>	ND	ND	ND	-	-	-	-	-	-	-	-
9/24/1993	< 50	ND <sup>a</sup> ; ND <sup>c</sup>	ND	ND	ND	-	-	-	-	-	-	-	-
9/29/1993	220	-	ND	ND	ND	-	-	-	-	-	-	-	-
12/10/1998	180	ND <sup>a</sup> ; ND <sup>c</sup> ; 95 <sup>d</sup> ; ND <sup>e</sup>	ND	ND	ND	-	-	-	-	-	-	-	-
12/14/1999	100	-	-	-	-	-	-	-	-	-	-	-	-
11/12/2003	1,400	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
3/12/2004	330	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
6/15/2004	< 50	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
9/14/2004	< 50	-	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 - < 50
<b>QW-1</b>													
11/12/2003	85	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
3/12/2004	< 50	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
6/15/2004	< 50	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
9/14/2004	< 50	-	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 - < 50
<b>QW-2</b>													
11/12/2003	< 50	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
3/12/2004	< 50	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
6/15/2004	< 50	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
9/14/2004	< 50	-	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 - < 50
<b>QW-3</b>													
11/12/2003	< 50	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	5.1 (TCE)
3/12/2004	< 50	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
6/17/2004	< 50	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 0.5 - < 50
9/14/2004	< 50	-	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 - < 50

**Notes:**

Most recent concentrations are in Bold.

Non-detectable concentrations noted by the less than sign (<) followed by the laboratory reporting limit or "ND".

NA indicates the data is not available

"-" indicates not tested.

<sup>a</sup> = TPH; <sup>b</sup> = TEPH (non-diesel); <sup>c</sup> = TPH-g; <sup>d</sup> = TPPH (non-gasoline); <sup>e</sup> = Kerosene

\* indicates a grab sample.

TABLE THREE  
Kozel Property  
Boring Elevation Survey  
(Feet Above MSL)

Boring	Elevation (MSL)
BH-A	56.19
BH-B	53.76
BH-C	54.65
BH-D	54.93
BH-E	54.79
BH-F	54.75
BH-G	54.80
BH-H	51.42
BH-I	50.81
BH-J	49.58
BH-K	48.82
BH-L	48.87
BH-M	49.18
BH-N	52.77
BH-O	54.99
BH-P	52.05
BH-Q	50.82
BH-R	50.28
BH-S	49.64
BH-T	54.81
BH-U	52.16
BH-V	54.79
BH-W	54.90
BH-X	52.56
BH-Y	56.42
BH-Z	56.44
BH-AA	56.44
BH-BB	56.45
BH-CC	56.43
BH-DD	56.45
BES-1	54.27
MW-B1	49.92



**TABLE FOUR**

Summary of Analytical Results for SOIL Samples from Soil Borings  
 Kozel Property (Former O.N.E. Color Communications)  
 1001 42nd Street, Oakland, CA 94608  
 All results are in parts per million (ppm)

Boring ID	Sample Depth	TPH Mineral Spirits	Toluene	Ethyl benzene	Total Xylenes	tert-Butyl benzene	sec-Butyl benzene	n-Butyl benzene	Vinyl chloride	1,1-Dichloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Other VOCs
BH-W	7.5	<b>24</b>	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	ND
BH-X	11.5	<b>5.8</b>	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	ND
BH-Y	8.5	<b>44</b>	< 0.005	< 0.005	< 0.005	<b>0.017</b>	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.067 (Acetone) 0.036 (p-Isopropyltoluene)
BH-Z	11.5	<b>51</b>	< 0.005	< 0.005	< 0.005	<b>0.012</b>	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.100 (Acetone) 0.026 (p-Isopropyltoluene) 0.028 (naphthalene)
BH-AA	11.5	<b>1,100</b>	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	0.058 (p-Isopropyltoluene)
BH-BB	11.5	<b>320</b>	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	0.017 (p-Isopropyltoluene)
BH-CC	11.5 19.5	<b>31</b> < 1.0	< 0.020 < 0.005	< 0.020 < 0.005	< 0.020 < 0.005	< 0.020 < 0.005	< 0.020 < 0.005	< 0.020 < 0.005	< 0.020 < 0.005	< 0.020 < 0.005	< 0.020 < 0.005	< 0.020 < 0.005	0.032 (p-Isopropyltoluene) ND
BH-DD	11.5	< 1.0	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	ND
ESL		<b>500</b>	<b>9.3</b>	<b>4.7</b>	<b>1.5</b>	<b>390 (PRG)</b>	<b>220 (PRG)</b>	<b>240 (PRG)</b>	<b>0.0067</b>	<b>0.33</b>	<b>3.1</b>	<b>1.6</b>	<b>0.5 (Acetone)</b>

Notes.

Detectable concentrations are in **Bold**.

Non-detectable concentrations noted by the less than sign (<) followed by the laboratory reporting limit or "ND".

ESL is the Environmental Screening Level for residential soil in areas where groundwater is not a current or potential source of drinking water established by the California Regional Water Quality Control Board, San Francisco Bay Region as presented in the "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater" document dated July 2003.

PRG = The United States Environmental Protection Agency Region IX Preliminary Remediation Goal for residential soil as presented for compounds where an ESL has not been established



**TABLE FIVE**  
 Summary of Analytical Results for GROUNDWATER Samples from Soil Borings  
 Kozel Property (Former O.N.E. Color Communications)  
 1001 42nd Street, Oakland, CA 94608  
 All results are in parts per billion (ppb)

Boring ID	TPH Mineral Spirits	Toluene	Ethyl benzene	Total Xylenes	tert-Butyl benzene	sec-Butyl benzene	n-Butyl benzene	Vinyl chloride	1,1-Dichloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Other VOCs
BH-A	54	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-B	1,700,000	<2.0	<2.0	<4.0	7.9	<4.0	9.0	<2.0	<2.0	<2.0	<2.0	ND
BH-C	230	<0.5	<0.5	<1.0	31	2.2	<1.0	0.51	<0.5	<0.5	4.7	ND
BH-D	IW	IW	IW	IW	IW	IW	IW	IW	IW	IW	IW	IW
BH-E	3,600	<0.5	<0.5	<1.0	1.3	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-F	IW	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-G	IW	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	0.57 (TCE)
BH-H	1,200,000	<2.0	<2.0	<4.0	<4.0	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	ND
BH-I	57,000	<2.0	<2.0	<4.0	13	35	<4.0	<2.0	<2.0	<2.0	<2.0	2.0 (n-propylbenzene)
BH-J	1,600,000	<2.0	<2.0	<4.0	20	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	ND
BH-K	1,300	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-L	<50	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-M	72	0.64	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-N	<50	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-O	<50	26	2.4	13	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	1.6 (benzene)
BH-P	680	0.57	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-Q	110,000	<2.0	<2.0	<4.0	61	<4.0	<4.0	<2.0	<2.0	<2.0	<2.0	ND
BH-R	880,000	<0.5	<0.5	<1.0	4.9	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-S	520	0.64	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-T	11,000	12	1.2	6.8	2.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	0.70 (benzene) 0.93 (1,2,4-trimethylbenzene)
BH-U	1,600	<0.5	<0.5	<1.0	1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	ND
BH-V	IW	IW	IW	IW	IW	IW	IW	IW	IW	IW	IW	IW
BH-W	870,000	<1.0	<1.0	<2.0	26	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	2.6 (naphthalene) 4.0 (1,2,4-trimethylbenzene)

**TABLE FIVE**  
 Summary of Analytical Results for GROUNDWATER Samples from Soil Borings  
 Kozel Property (Former O.N.E. Color Communications)  
 1001 42nd Street, Oakland, CA 94608  
 All results are in parts per billion (ppb)

Boring ID	TPH Mineral Spirits	Toluene	Ethyl benzene	Total Xylenes	tert-Butyl benzene	sec-Butyl benzene	n-Butyl benzene	Vinyl chloride	1,1-Dichloro ethane	trans-1,2-Dichloro ethene	cis-1,2-Dichloro ethene	Other VOCs
BH-X	< 50	< 0.5	< 0.5	< 10	< 1.0	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	ND
BH-Y	1,400,000	12	< 5.0	12	46	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	41 (naphthalene)
BH-Z	59,000	11	< 0.5	7.3	< 2.0	< 2.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	ND
BH-AA	2,000,000	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	ND
BH-BB	1,100,000	< 5.0	< 5.0	< 10	< 10	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	ND
BH-DD	970	2.9	0.58	3.8	< 1.0	< 1.0	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	0.78 (1,2,4-trimethylbenzene)
ESL	640	130	290	13	240 (PRG)	240 (PRG)	240 (PRG)	40	47	590	590	

**Notes:**

Detectable concentrations are in **Bold**

Non-detectable concentrations noted by the less than sign (<) followed by the laboratory reporting limit or "ND".

NIW indicates that the boring contained insufficient water to sample, so no analysis was performed.

ESL is the Environmental Screening Level for areas where groundwater is not a current or potential source of drinking water as established by the California Regional Water Quality Control Board, San Francisco Bay Region in their Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater" dated July 2003

PRG is the Preliminary Remediation Goal for residential soil as established by the US EPA Region IX; no ESL has been established

# **APPENDIX A**

ACHCSA Directive Letter

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

April 2, 2004

Mr. Edward Kozel  
20 Oak Knoll Drive  
Healdsburg, CA 95448

Dear Mr. Kozel:

Subject: Fuel Leak Case RO0000079, 1001 42<sup>nd</sup> St., Oakland, CA 94608, Oakland National Engravers (ONE)

ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

Barney M. Chan  
HAZARDOUS MATERIALS SPECIALIST

Alameda County Environmental Health staff has reviewed the case file for the subject site including the April 30, 2003 *Block Environmental Services (BES) Response to Technical Comments*. We find that the response report does not adequately address our March 24, 2003 letter's concern and request that you address the following additional technical comments and submit the technical reports requested below.

#### TECHNICAL COMMENTS

##### Business and Professional's Code

1. The reports for this site submitted from your consultant are not signed and stamped by an appropriate registered professional and are not acceptable for submittal to this office. Pursuant to sections 6735, 7835, and 7835.1 of the California Business and Professions Code, all work and reports which require geologic or engineering evaluations or technical judgments must be performed under the direction of a California Professional Civil Engineer, Certified Engineering Geologist, Registered Geologist, or Certified Hydrogeologist. Submittals requiring registration include:
  - 1.1 All reports that involve geologic or engineering evaluations and judgments.
  - 1.2 All proposals and reports for subsurface investigations. These include, but are not limited to, soil borings, monitoring wells, soil-vapor probes, and trenching to retrieve soil/groundwater samples.
  - 1.3 Quarterly monitoring reports that offer, or are required to provide, interpretation of data, conclusions, or recommendations.
  - 1.4 All proposals and reports concerning interim or final remedial actions.

Please note all proposals and reports submitted to this office must be accompanied by a cover letter from the responsible party which states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached proposal or report is true and correct." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports submitted for this fuel leak case.

We request that you submit a summary report of your work, signed and stamped by the appropriately registered professional. Regarding the April 30, 2003 letter report, we do not find the technical arguments compelling and the report is not signed and stamped by an appropriate registered professional, and it is rejected.

#### Quarterly Groundwater Monitoring

2. Groundwater monitoring has been performed at your site intermittently; in 1991, 1993, 1994, 1998, 1999 and 2000, and in most cases only once per year. We consider this insufficient data upon which to demonstrate a concentration trend. We request that you initiate quarterly groundwater sampling immediately. We further request that ONE and the former Dunne Quality Paints (1007 41<sup>st</sup> St.) commence with coordinated groundwater monitoring during the Second Quarter 2004. Coordination is important to obtain data on water levels and contaminant concentrations at the two sites on the same day. If coordination is not performed, the accuracy of evaluations of plume extent and determinations of commingling could be seriously compromised. Coordination is also important to monitor the changes in groundwater gradient magnitude and direction that can be induced by remedial activities occurring at the sites. Maps and data tables, included with the quarterly monitoring reports for each site, are to include data from wells from both sites.

#### Site Characterization/Observations

3. The site has not been adequately characterized. The lateral and vertical extent of source locations and dissolved plumes has not been defined. Since the site has not been adequately characterized, a risk-based evaluation is premature at this time.

In regards to the 10k diesel UST removed from the loading dock in 1987, monitoring well LD4 installed near this UST, possibly within the former tank pit, reported 630,000 ppb TPHms in the last monitoring event, 1/2000. This concentration of mineral spirits represents free product, which must be removed to the extent possible. The source of the release is not well understood nor is the extent of the free product or the dissolved product plume.

The former 8k gallon UST closed-in-place in the sidewalk on 41<sup>st</sup> St. in May 1993 has not been adequately investigated. The contents of this tank consisted of methylene chloride and xylenes in addition to stoddard solvent. The piping run to the tank was observed to have obvious holes. The piping run leading towards the building and property is not shown, nor understood. The sump, located 20 feet northeast of the UST may have been the source of the trench water, found entering the tank pit from beneath the adjacent building. This water sample detected 24,000 ppb TPH (total purgeable hydrocarbons). Therefore, the tank pit area appears to have been impacted by the leaks in the piping and leaks from the sump/trench. The well installed immediately down-gradient of the tank, MW-1, detected free product in 1988. After MW-1 was destroyed, well MWB-1 was installed slightly west of the tank pit, adjacent to a residence, as its replacement. In 9/93, the last time this well was sampled, 43,000 ppb TPHms was detected. This well should be located and redeveloped prior to sampling. Although gradient is in question, a slight northwest gradient could cause the petroleum plume and/or free product to migrate offsite beneath private residences. The incomplete preferential pathway/sensitive receptor survey, (see comment 4), leaves this potential threat unevaluated.

The two sumps located in the loading dock area were closed in April 1994. Monitoring well BES-1, located between the two sumps, initially reported 18,000 ppb TPHd and 12,000 ppb TPHms. A soil sample collected from 8' bgs next to the sumps reported 1400

ppm TPHms, 0.013 ppm TCE, 0.053 ppm cis-DCE and 0.044 ppm trans-DCE. Contrary to your consultant's conclusion, it appears that the sumps have leaked. The last monitoring of BES-1 on 12/99 detected 72,000 ppb TPHms. The extent of this plume and its relationship to the other plumes is currently unknown. Also, please confirm that these sumps are the same sump referenced in the May 1993 UST closure in-place. We request that you submit your proposal for plume definition in the work plan requested below.

The locations of monitoring wells MW-B2 through MW-B4 are not conducive for gradient determination because they are virtually linear, not triangular. With the exception of MW-B4, these wells are not located near the source areas. Additionally, the use of groundwater elevation readings from well LD4 is suspect since the well is located within the former tank pit. In fact, the reliability of the site's gradient is questionable due to the poor array of wells. The wells installed at the former Dunne Paints site located on the south side of 41<sup>st</sup> St. are also installed within the former tank pits, therefore gradient determination using these wells is also suspect.

The four hydropunches drilled in December 1999 and January 2000 provided some information but not enough to conclude that the extent of the petroleum plume(s) has been defined. It is unreasonable to assume that three hydropunch borings could characterize the plumes from the ONE site. Hydropunch HP-1 groundwater results of 21,000 ppb TPHms was collected on December 14, 1999, while HP-1 collected on December 15, 1999 reported <50 ppb. Your consultant explained this as a possible result of cross-contamination. This scenario is extremely unlikely. Cross-contamination would cause a low concentration sample to have slightly higher concentrations but not the extremely high concentration observed in the December 14<sup>th</sup> sample. Because of the extensive investigation performed on the former Dunne Paints site, we now know that there are buried and/or meandering stream channels beneath the Dunne site and vicinity. This preferential pathway allows plume migration and contaminant detection in this discrete channel. The elevated water sample in HP-1 was likely from this gravel channel. We request that you propose investigation sufficient to evaluate the likelihood of plumes originating from your site encountering buried stream channels in the area. Please include this proposal in the work plan requested below.

#### Preferential Pathway Study

4. Our office has reviewed the BES, December 2000 report, which is referenced to contain a preferential pathway and sensitive receptor survey. The referenced report does not include a utility survey or a ¼ mile well survey with the exception of those wells of the immediate former Dunne Paints and California Linen. We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits for horizontal and vertical migration in the vicinity of your site. The utility survey should include map(s) and cross-sections showing the location and depth of all utility lines and trenches. A survey of nearby residences should be done to identify any homes with basements. The well survey should locate wells (all types) within a ¼ mile radius of the site. Show the locations of the wells and the site on a map. List well construction details for each well. Report your results in the work plan requested below.

#### Risk Assessment

Mr. Edward Kozel

RO0000079

April 2, 2004

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5. The risk assessment performed for the site does not address residual TPHms because it states there is no surrogate chemical with comparable properties to it. Our office recommends comparing current soil, groundwater and vapor concentrations with Environmental Screening Levels (ESLs) in the SFRWQCB July 2003 document to determine if there is potential human health or environmental risk. The prior air samples are not considered appropriate samples. Air sampling was done at three locations using a flux chamber. One sample was in the former Dunne Solvent Mixing Room and the other two were within and outside the Office and Printing Building at ONE. Our office has several observations to this investigation. Though the use of a flux chamber is permitted, guidance documents from the LARWQCB and DTSC recommend soil gas sampling via shallow gas probes. The soil gas samples should be taken at locations where contamination would be likely present. To the contrary, the locations sampled in this investigation were not near the source areas or near sensitive receptors. Results from the flux chamber may yield false positive results due to the presence of ambient vapors. This may be the case in the sample taken from the Solvent Mixing Room. After site characterization is complete you should perform your risk assessment. At that time, please determine if a soil vapor sampling work plan is necessary.

#### Maps Inaccurate

6. The figure and site map provided to our office are inaccurate. They are not consistent with the descriptions given in the reports. MW-LD4 suspected as being installed within the tank backfill of the UST removed in 1987 is depicted as being approximately 50 feet from the UST in Figure 2 of the BES March 2000 report. Please correct this information and resubmit a corrected map.

#### TECHNICAL REPORT REQUEST

- April 19, 2004- Written response to this letter, summary report including corrected figure/site map signed and stamped by an appropriate registered professional.
- May 7, 2004- Work Plan for site characterization and results of your preferential pathway study.
- May 15, 2004- 2<sup>nd</sup> Quarter 2004, Quarterly Groundwater Monitoring Report
- August 15, 2004- 3<sup>rd</sup> Quarter 2004, Quarterly Groundwater Monitoring Report
- November 15, 2004- 4<sup>th</sup> Quarter 2004, Quarterly Groundwater Monitoring Report
- February 15, 2005- 1<sup>st</sup> Quarter 2005, Quarterly Groundwater Monitoring Report
- 60 days after work plan approval- Soil and Groundwater Investigation Report
- 60 days after completion of Soil and Groundwater Investigation- Risk Assessment and Soil Vapor Sampling work plan, if necessary.

Mr. Edward Kozel  
RO0000079  
April 2, 2004  
Page 5

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan,  
Hazardous Materials Specialist

C: B. Chan, D. Drogos

Ms. Kim Kraft, ONE Color Communications, 1001 42<sup>nd</sup> St., Oakland, CA 94608

Mr. Martin Samuels, Green City Development Group, 3675 Del Monte Ave., Oakland, 94608

Mr. Jon Rosso, Clayton Group Services, 6920 Koll Center Parkway, Suite 216, Pleasanton,  
CA 94566

Mr. Donald Miller, California Linen, 989 41<sup>st</sup> St., Oakland, CA 94608

ONE 4\_2\_04



## **APPENDIX B**

Adeline Storm Water Interceptor Drawings

# **APPENDIX C**

## **Permits**



Office of Planning and Building

# EXCAVATION PERMIT

## TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

### CIVIL ENGINEERING

PAGE 2 of 2

Permit valid for 90 days from date of issuance.

PERMIT NUMBER <b>X 0 4 0 2 5 9 9</b>		SITE ADDRESS/LOCATION <b>1001 42nd Street</b>	
APPROX. START DATE <b>10-18-04</b>	APPROX. END DATE <b>11-1-04</b>	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number) <b>925-413-8604</b>	
CONTRACTOR'S LICENSE # AND CLASS <b>C-57 487000</b>		CITY BUSINESS TAX #	

#### ATTENTION:

- 1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # \_\_\_\_\_
- 2- 48 hours prior to starting work, you **MUST CALL (510) 238-3651** to schedule an inspection.
- 3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

#### OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500):

- I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).
- I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).
- I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).
- I am exempt under Sec. \_\_\_\_\_, B&PC for this reason \_\_\_\_\_

#### WORKER'S COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # \_\_\_\_\_ Company Name \_\_\_\_\_

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars (\$100) or less).

**NOTICE TO APPLICANT:** If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

*Paul C. Kelly* \_\_\_\_\_ **10-13-04**  
 Signature of Permittee \_\_\_\_\_ Date \_\_\_\_\_  
 Agent for  Contractor  Owner

DATE STREET LAST RESURFACED BY <b>5/01</b>	SPECIAL PAVING DETAIL REQUIRED? <b>YES</b>	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) <b>NO</b>	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) <b>NO</b>
DATE ISSUED		k	

Job Site 1001 42ND ST

Parcel# 012 -1023-001-01

Appl# X0402599

Descr soil boring *ON 41<sup>ST</sup> STREET*

Permit Issued 10/13/04

Application must be routed to the Fire Department Hazardous  
Materials Management Program for review and approval.

Work Type EXCAVATION-PRIVATE P

USA #

Util Co. Job #

Acctg#:

Util Fund #:

Applicant

Phone#

Disc#

License Classes--

Owner KOZEL EDWARD R & ELIZABETH A T

Contractor AQUA SCIENCE ENGINEERS, INC.

X (925) 820-9391 487000 A C57

Arch/Engr

Agent

Applic Addr 208 WEST EL PINO, DANVILLE, CA 94526

**JOB SITE**

\$382.49 TOTAL FEES PAID AT ISSUANCE  
\$54.00 Applic \$235.75 Permit  
\$.00 Process \$27.53 Rec Mgmt  
\$.00 Gen Plan \$.00 Invstg  
\$.00 Other \$15.21 Tech Enh

CITY OF OAKLAND

ADDRESS:

DIST:



City of Emeryville • Department of Public Works  
Encroachment Permit

APPLICANT AQUA SCIENCE ENGINEERS  
 CONTACT PERSON ROBERT KITAY  
 ADDRESS 208 W EL PINTADO, DANVILLE, CA 94526  
 PHONE 925-822-9291  
 FAX 925-837-4853

OWNER/DEVELOPER OF FACILITIES  
EDWARD KOZEL  
 ADDRESS 20 OAK KNOLL DRIVE, HERNDON, VA 20148  
 PHONE 703-433-5737  
 FAX \_\_\_\_\_

SITE: 1001 42ND ST, OAKLAND, CA  
 CONTRACTOR DOING WORK ~~\_\_\_\_\_~~  
AQUA SCIENCE ENGINEERS

CONTACT PERSON ~~\_\_\_\_\_~~ ROB KITAY  
 ADDRESS 208 W EL PINTADO, DANVILLE, CA 94526 PHONE ~~\_\_\_\_\_~~ FAX 925-837-4853

LICENSE NO. 487000 CLASS A, C57, HAZ  
 Yes  No CURRENT CITY BUSINESS LICENSE ON FILE  
 Yes  No PROVIDE PROOF OF INSURANCE

EST. START DATE 10/18 EST. COMPLETION DATE 11/18 EST. COST IN CITY R/W \$6000

LOCATION OF WORK ADELINE ST + 41ST ST

CHECK ALL THAT APPLY

- Traffic Control  Survey  Sidewalk Detour  Dumpster  Temporary No Parking  
 Private Facilities on Public Right of Way  Construction  Sidewalk  Driveway Approach  Curb & Gutter  Pedestrian Ramp  Water Service  Utility Maintenance  Fence  Excavation  Obstruction  Access Road  Monitoring Well  Sewer Lateral  Storm Drain  SOIL BORING

FULLY DESCRIBE PROPOSED WORK WITHIN CITY RIGHT-OF-WAY (additional space on reverse if needed): Attach 3 complete sets of plans 8 1/2 X 11, if applicable.

USING A GEOPROBE, DRILL 8 SOIL BORINGS TO A DEPTH OF APPROX 16'.  
 3 BORINGS WILL BE LOCATED ON ADELINE ST. } SEE ATTACHED FIGURE  
 5 BORINGS WILL BE LOCATED ON 41ST ST.  
 BORINGS WILL BE BACKFILLED WITH NEAT CEMENT AND THE SURFACE PATCHED W/CONCRETE.

I hereby agree to protect and indemnify the City of Emeryville and hold it harmless in every way from all claim or suits for injury or damage to persons or property as set forth in the Standard Provisions. I agree not to begin construction until all materials to be used are on hand; to perform all work in accordance with the plans submitted (if any), the Standard Provisions to Encroachment Permit, and all applicable Special Conditions of Approval, and to pay all inspection and engineering costs in addition to those paid at the time of issuance of this permit. I further agree to complete the work to the satisfaction of the City Engineer and if for any reason the City of Emeryville is required to complete this work, I will pay all costs for such work.

Applicant Signature [Signature] Date 10/11/2007

Permit No. PW041001 Date 1 Oct 04  
 Permit Admin. Fee \$150  
 Permit Inspection Deposit (2 hr, min.) \$150  
 Required Security Deposit:  \$1,000 cash  
 \$10,000 Bond, Bond # \_\_\_\_\_  
 100% Perf. Bond,  
 Bond Value \_\_\_\_\_ Bond # \_\_\_\_\_  
 Total Payment Required \$1,300  
 Received [Signature] Date 10/5/04  
 Receipt # 48380  
 Failure to obtain approval of a Final Inspection of the work covered by this Encroachment Permit within one (1) year of the estimated completion date shall result in the loss of the security deposit which shall be retained by the City of Emeryville.

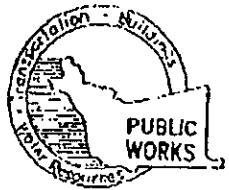
FOR CITY USE ONLY  Temporary Permit # \_\_\_\_\_ days  Long Term Permit

The following documents are attached and incorporated into this permit and have been given to the applicant:  
 Standard Provisions to Encroachment Permit  Special Conditions of Approval  
 City Standard Details (List Details)  Handout, Urban Runoff BMP's

Oct 11 04 03:16p

925-897-4853

p. 1



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
109 ELMHURST ST. HEAYWARD CA. 94544-1395  
PHONE (510) 670-5454 **6633**  
FAX (510) 782-1939

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 1301 42<sup>nd</sup> Street  
Oakland, CA

PERMIT NUMBER W04-1070  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

**CLIENT**  
Name Edward R. and Elizabeth A. Kuzel C.R.T.  
Address 20 ONE BAYVIEW WAY Phone \_\_\_\_\_  
City Hayward, CA Zip 94548-3108

**APPLICANT**  
Name Alvin S. Kuzel Engineering Phone 925-937-4853  
Address 205 W. El Estero Phone 925-820-1391  
City Davis, CA Zip 94526

**TYPE OF PROJECT**  
Well Construction  Geotechnical Investigation   
Cathodic Protection  General   
Water Supply  Contamination   
Monitoring  Well Destruction

**PROPOSED WATER SUPPLY WELL USE**  
New Domestic  Replacement Domestic   
Municipal  Irrigation   
Industrial  Other \_\_\_\_\_

**DRILLING METHOD:**  
Mud Rotary  Air Rotary  Auger   
Cable  Other

DRILLER'S NAME V. O. PAK  
DRILLER'S LICENSE NO C-57 705927

**WELL PROJECTS**  
Drill Hole Diameter \_\_\_\_\_ in. Maximum \_\_\_\_\_  
Casing Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
Surface Seal Depth \_\_\_\_\_ ft. Owner's Well Number \_\_\_\_\_

**GEOTECHNICAL PROJECTS**  
Number of Borings 24 Maximum \_\_\_\_\_  
Hole Diameter 2 in. Depth 20 ft.

ESTIMATED STARTING DATE 10-18-04  
ESTIMATED COMPLETION DATE 11-18-04

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73 68.

APPLICANT'S SIGNATURE Robert E. Kuzel DATE 10-11-04

PLEASE PRINT NAME Robert E. Kuzel Rev 5-13-00

### PERMIT CONDITIONS

Circled Permit Requirements Apply

- A. GENERAL**
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
  2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
  3. Permit is void if project not begun within 90 days of approval date.

- B. WATER SUPPLY WELLS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

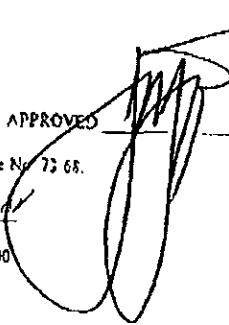
**D. GEOTECHNICAL / Contamination**  
Backfill bore hole by tremie with cement grout or cement grout and mixture. Upper two-three feet replaced in kind or with compacted cement.

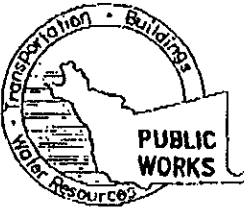
**E. CATHODIC**  
Fill hole anode zone with concrete placed by tremie.

**F. WELL DESTRUCTION**  
Send a map of work site. A separate permit is required for wells deeper than 15 feet.

**G. SPECIAL CONDITIONS** - B# 1 Attached

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED  DATE 10-14-04



## ALAMEDA COUNTY PUBLIC WORKS AGENCY

### WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD, CA. 94544-1395

PHONE (510) 670-6633 James Von FAX (510) 782-1939

**PERMIT NO. W04-1070**

### WATER RESOURCES SECTION

#### GROUNDWATER PROTECTION ORDINANCE

#### **B#1-GENERAL CONDITIONS: GEOTECHNICAL & CONTAMINATION BOREHOLES**

1. Prior to any drilling activities, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that Federal, State, County or to the City and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.
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, 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.
4. Permit is valid only for the purpose specified herein **October 18 to November 18, 2004**. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.
5. Drilling Permit(s) can be voided/ canceled only in writing. It is the applicants responsibilities to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
6. 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, property damage, personal injury and wrongful death.

# **APPENDIX D**

Boring Logs



**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-A

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 18, 2004

Checked By: Robert E. Kitay, R.G. *EX*

**WATER AND WELL DATA**

Depth of Water First Encountered: 26'

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: 28'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0							Concrete/Base	
0-5					0		Clayey SILT (ML); dark brown; stiff; moist; 90% silt; 10% clay; non-plastic; low estimated K; no odor	
5					0		Silty SAND (SM); light brown; loose; wet; 80% sand; 20% silt; non-plastic; high estimated K; no odor	
5-10					0		Sandy SILT (ML); brown; medium stiff; moist; 60% silt; 30% sand; 10% gravel; medium estimated K; no odor	
10					0		Clayey SILT (ML); dark brown; stiff; moist; 90% silt; 10% clay; non-plastic; low estimated K; no odor	
10-15					0		Clayey GRAVEL (GC); brown; dense; damp; 60% gravel; 40% clay; non-plastic; medium estimated K; no odor	
15					37		CLAY (CH); dark brown; very stiff; damp; 100% clay; trace gravel; high plasticity; very low estimated K; no odor	
15-20					0		Clayey SAND (SC); brown; loose; moist; 70% sand; 30% clay; non-plastic; medium estimated K, no odor	
20					0		Silty CLAY (CL); light olive; very stiff; moist; 90% clay 10% silt; moderate plasticity; low estimated K; no odor slight hydrocarbon odor @ 16 feet olive mottled yellow brown @ 18.5 feet	
20-25					0		Clayey SAND (SC); yellow brown; very dense; damp; 60% sand; 20% clay; 20% gravel; non-plastic; medium estimated K; no odor	
25					0		Gravelly CLAY (CL); dark brown; stiff; moist; 50% clay; 30% gravel 10% sand; 10% silt; non-plastic; medium estimated K; no odor brown mottled black between 24 and 26 feet	
25-30					0		End of boring	

Portland Cement



**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS** BORING: BH-B

Project Name: Kozel Property Project Location: 1001 42nd St. Oakland, CA Page 1 of 1  
 Driller: Vironex Type of Rig: Geoprobe Size of Drill: 2.0" Diameter  
 Logged By: Damian Hriciga Date Drilled: October 18, 2004 Checked By: Robert E. Kitay, R.G. #

**WATER AND WELL DATA**  
 Depth of Water First Encountered: 14.5'  
 Static Depth of Water in Well: NA  
 Total Depth of Boring: 16'  
 Total Depth of Well Completed: NA  
 Well Screen Type and Diameter: NA  
 Well Screen Slot Size: NA  
 Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		
0								Concrete/Base	
0					0			Clayey SILT (ML); brown mottled red; stiff; moist; 90% silt; 10% clay; non-plastic; low estimated K; no odor	
5					50			Silty CLAY (CL); black; stiff; moist; 80% clay; 20% silt; moderate plasticity; very low estimated K; slight hydrocarbon odor	
10	Portland Cement				15			black mottled olive; 90% clay; 10% silt; trace gravel	
10					60			Silty SAND (SM); olive; medium dense; moist; 60% sand; 20% silt; 10% gravel; 10% clay; non-plastic; high estimated K; moderate hydrocarbon odor	
15					110			Sandy SILT (ML); olive; soft; moist; 60% silt; 30% sand; 10% clay; trace gravel; non-plastic; medium estimated K; moderate hydrocarbon odor	
15								Silty SAND (SM); olive; medium dense; wet; 60% sand; 20% silt; 10% gravel; 10% clay; non-plastic; high estimated K; moderate hydrocarbon odor yellow brown below 15.5 feet	
20								End of boring	
25									
30									

# SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

BORING: BH-C

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 18, 2004

Checked By: Robert E. Kitay, R.G. *pk*

## WATER AND WELL DATA

Depth of Water First Encountered: 13.5'

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: 24'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0							0	Concrete/Base
5					0		5	Sandy SILT (ML); brown; stiff; moist; 90% silt; 10% sand; non-plastic; low estimated K; no odor
10		Portland Cement			0		10	Silty CLAY (CL); black; stiff; moist; 80% clay; 20% silt; moderate plasticity; very low estimated K; slight hydrocarbon odor
15					12		15	60% clay; 25% silt; 15% gravel
20					45		20	Sandy SILT (ML); brown; soft; wet; 80% silt; 20% sand; trace gravel; non-plastic; medium estimated K; moderate hydrocarbon odor
25							25	Sandy CLAY (CL); olive; stiff; damp; 60% clay; 20% sand; 20% silt; trace gravel; low plasticity; low estimated K; moderate hydrocarbon odor
30							30	single layer of gravel @16 feet wet from 21 to 21.5 feet Clayey GRAVEL (GC); olive; dense; damp; 60% gravel; 40% clay; non-plastic; medium estimated K; no odor Sandy CLAY (CL); olive; stiff; damp; 60% clay; 20% sand; 20% silt; trace gravel; low plasticity; low estimated K; moderate hydrocarbon odor
								End of boring

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-D

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 18, 2004

Checked By: Robert E. Kitay, R.G. *rk*

**WATER AND WELL DATA**

Depth of Water First Encountered: Dry

Total Depth of Well Completed: NA

Well Screen Type and Diameter: NA

Static Depth of Water in Well: Dry

Well Screen Slot Size: NA

Total Depth of Boring: 30'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0							0	Concrete/Base
5							Clayey SILT (ML); brown; stiff; moist; 90% silt; 10% clay; non-plastic; low estimated K; no odor	
10							CLAY (CH); dark brown; very stiff; damp; 100% clay; trace gravel; high plasticity; very low estimated K; slight hydrocarbon odor	
15							Silty CLAY (CH); light olive; very stiff; damp; 90% clay; 10% silt; high plasticity; very low estimated K; moderate hydrocarbon odor	
20							Sandy CLAY (CL); yellow brown; very stiff; damp; 70% clay; 20% sand; 10% gravel; low plasticity; low estimated K; no odor medium stiff; moist between 25.5 and 26 feet	
25								
30	End of boring							

# SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

BORING: BH-E

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 19, 2004

Checked By: Robert E. Kitay, R.G. *RE*

## WATER AND WELL DATA

Depth of Water First Encountered: 18'

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: 20'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY	
			Interval	Blow Counts	OVM (ppmv)	Water Level			Graphic Log
0	<p>Portland Cement</p>							0	Concrete/Base
5								Sandy SILT (ML); brown; medium stiff; damp; 95% silt; 5% sand; non-plastic; low estimated K; no odor	
10								Silty CLAY (CH); black; very stiff; moist; 80% clay; 20% silt; high plasticity; low estimated K; no odor	
15								Clayey GRAVEL (GC); yellow brown; loose; damp; 60% gravel; 30% clay; 10% sand; non-plastic; high estimated K; no odor	
18								CLAY (CH); olive; very stiff; damp; 100% clay; high plasticity; very low estimated K; slight hydrocarbon odor	
20								Silty SAND (SM); olive; medium dense; damp; 70% sand; 25% silt; 5% clay; non-plastic; high estimated K; moderate hydrocarbon odor	
25								Silty CLAY (CL); yellow brown; very stiff; damp; 80% clay; 15% silt; 5% sand; trace gravel; moderate plasticity; low estimated K; no odor	
30								End of boring	

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-F

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 2

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 19, 2004

Checked By: Robert E. Kitay, R.G.

**WATER AND WELL DATA**

Depth of Water First Encountered: Dry

Total Depth of Well Completed: NA

Static Depth of Water in Well: Dry

Well Screen Type and Diameter: NA

Well Screen Slot Size: NA

Total Depth of Boring: 32'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0							0	Concrete/Base
5					0		5	Sandy SILT (ML); brown; medium stiff; damp; 95% silt; 5% sand; non-plastic; low estimated K; no odor  soft; wet
10					150		10	dark olive; strong hydrocarbon odor  Silty CLAY (CL); black; medium stiff; moist; 80% clay; 20% silt; moderate plasticity; low estimated K; no odor stiff; damp below 8 feet
15					46		15	Clayey GRAVEL (GC); olive; medium dense; damp; 55% gravel; 45% clay; low plasticity; low estimated K; no odor  No recovery
20					40		20	CLAY (CH); olive; very stiff; damp; 100% clay, high plasticity; very low estimated K; slight hydrocarbon odor  Clayey GRAVEL (GC); yellow brown; medium dense; damp; 55% gravel; 45% clay; low plasticity; low estimated K; slight hydrocarbon odor
25					40		25	Silty CLAY (CL); yellow brown; very stiff; damp; 80% clay; 20% silt; moderate plasticity; low estimated K; no odor
30					40		30	Sandy CLAY (CL); yellow brown; very stiff; damp; 80% clay; 20% sand; moderate plasticity; low estimated K; no odor

Portland Cement




**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-F

Project Name: Kozel Property

Project Location: 1001 42nd St., Oakland, CA

Page 2 of 2

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level		Graphic Log
		Portland Cement			40			Continuation from above
35								End of boring
40								
45								
50								
55								
60								
65								

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

**BORING: BH-G**

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

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Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 19, 2004

Checked By: Robert E. Kitay, R.G. *PK*

**WATER AND WELL DATA**

Depth of Water First Encountered: 21'

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: 24'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level		Graphic Log
0	<p>Portland Cement</p>						0	Concrete/Base
5							5	Sandy SILT (ML); brown; medium stiff; damp; 75% silt; 25% sand; non-plastic; low estimated K; no odor moist, soft
10							10	Silty CLAY (CL); dark brown; medium stiff; moist; 70% clay; 30% silt; trace gravel; moderate plasticity; low estimated K; no odor black; stiff; damp; 95% clay; 5% silt
15							15	Clayey GRAVEL (GC); olive; medium dense; damp; 55% gravel; 45% clay; low plasticity; low estimated K; slight hydrocarbon odor
20							20	CLAY (CH); olive; stiff; moist; 100% clay; trace gravel; high plasticity; very low estimated K; slight hydrocarbon odor
25							25	Sandy CLAY (CL); olive; stiff; damp; 75% clay; 25% sand; moderate plasticity; low estimated K; slight hydrocarbon odor
30							30	Clayey SAND (SC); olive; dense; damp; 60% sand; 25% clay; 15% gravel; non-plastic; medium estimated K; no odor wet between 21 and 22 feet
								Sandy CLAY (CL); yellow brown; very stiff; damp; 65% clay; 20% sand; 15% gravel; moderate plasticity; low estimated K; no odor
								End of boring



**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-H

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

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Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 20, 2004

Checked By: Robert E. Kitay, R.G. *pk*

**WATER AND WELL DATA**

Total Depth of Well Completed: NA

Depth of Water First Encountered: 9'


Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 12'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0	 <p>Portland Cement</p>						0	Concrete/Base
5				0			5	Sandy SILT (ML); brown mottled orange; soft; moist; 90% silt; 10% sand; non-plastic; low estimated K; no odor
10				65			10	Silty CLAY (CL); dark brown; stiff; damp; 90% clay; 10% silt; moderate plasticity; very low estimated K; slight hydrocarbon odor
15							15	Clayey GRAVEL (GC); olive; medium dense; damp; 55% gravel; 45% clay; low plasticity; low estimated K; slight hydrocarbon odor
20						20	Clayey SAND (SC); olive; loose; wet; 70% sand; 25% gravel; 5% clay; non-plastic; high estimated K; strong hydrocarbon odor	
25						25		
30						30	End of boring	

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-1

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 20, 2004

Checked By: Robert E. Kitay, R.G. *RK*

**WATER AND WELL DATA**

Total Depth of Well Completed: NA

Depth of Water First Encountered: ~6'




Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 8'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		
0	 <p>Portland Cement</p>							0	Concrete/Base
5								Clayey SILT (ML); olive; soft; wet; 90% silt; 10% sand; non-plastic; low estimated K; strong hydrocarbon odor	
10								10	End of boring
15								15	
20								20	
25								25	
30								30	

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-J

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

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Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 20, 2004

Checked By: Robert E. Kitay, R.G. *PK*

**WATER AND WELL DATA**

Depth of Water First Encountered: 19'

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: 20'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level			standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0					0		0	Concrete/Base	
0-4					0		0-4	Clayey SILT (ML); brown mottled orange; soft; moist; 90% silt; 10% sand; non-plastic; low estimated K; no odor no recovery	
4-15					0		4-15	Silty CLAY (CH); dark brown; stiff; damp; 90% clay; 10% silt; high plasticity; very low estimated K; slight hydrocarbon odor	
15-20					54		15-20	olive; trace gravel and sand; slight odor	
20					0		20	Sandy CLAY (CH); olive mottled yellow brown; very stiff; wet; 85% clay; 15% sand; high plasticity; low estimated K; slight hydrocarbon odor	
20							20	Silty SAND (SM); olive; medium dense; wet; 70% sand; 25% silt; 5% clay; non-plastic; high estimated K; strong hydrocarbon odor	
20-30							20-30	End of boring	

Portland Cement

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

**BORING: BH-K**

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

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Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 20, 2004

Checked By: Robert E. Kitay, R.G. *REK*

**WATER AND WELL DATA**

Depth of Water First Encountered: 18.5'

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: 20'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0							Asphalt/Base	
0							Clayey SILT (ML); dark brown; stiff; damp; 70% silt; 20% clay; 10% sand; low plasticity; low estimated K; no odor	
5							Silty CLAY (CL); dark brown; very stiff; damp; 70% clay; 20% silt; 10% sand; high plasticity; very low estimated K; no odor	
5							Sandy CLAY (CL); brown; very stiff; damp; 50% clay; 40% sand; 10% silt; low plasticity; low estimated K; no odor	
10							Sandy SILT (ML); yellow brown; stiff; dry; 60% silt; 30% sand; 10% clay; medium estimated K; non-plastic; no odor	
10							80% silt; 10% sand; 10% clay	
15							Silty SAND (SM); yellow brown; loose; wet; 85% sand; 10% silt; 5% clay; non-plastic; high estimated K; slight hydrocarbon odor	
20							Sandy SILT (ML); yellow brown; stiff; moist; 80% silt; 10% sand; 10% clay; medium estimated K; non-plastic; no odor	
20							End of boring	
25								
30								

Portland Cement



**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS** BORING: BH-L

Project Name: Kozel Property      Project Location: 1001 42nd St. Oakland, CA      Page 1 of 1  
 Driller: Vironex      Type of Rig: Geoprobe      Size of Drill: 2.0" Diameter  
 Logged By: Damian Hriciga      Date Drilled: October 20, 2004      Checked By: Robert E. Kitay, R.G. *pk*

**WATER AND WELL DATA**  
 Total Depth of Well Completed: NA  
 Depth of Water First Encountered: 22'  
 Well Screen Type and Diameter: NA  
 Static Depth of Water in Well: NA  
 Well Screen Slot Size: NA  
 Total Depth of Boring: 24'  
 Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0								Asphalt/Base	
0					0			Clayey SILT (ML); dark brown; stiff; damp; 75% silt; 20% clay; 5% sand; low plasticity; low estimated K; no odor	
5					0				
5								Sandy SILT (ML); yellow brown; stiff; moist; 60% silt; 40% sand; non-plastic; medium estimated K; no odor	
10					0				
10								Silty CLAY (CL); yellow brown; stiff; moist; 60% clay; 30% silt; 10% sand; moderate plasticity; low estimated K; no odor	
15					0				
15								Silty SAND (SM); brown; dense; wet; 60% sand; 20% silt; 10% gravel; 10% clay; non-plastic; high estimated K; no odor	
20					0				
20								End of boring	
25					0				
25									
30									

Portland Cement



**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS** BORING: BH-M

Project Name: Kozel Property Project Location: 1001 42nd St. Oakland, CA Page 1 of 1  
 Driller: Vironex Type of Rig: Geoprobe Size of Drill: 2.0" Diameter  
 Logged By: Damian Hriciga Date Drilled: October 20, 2004 Checked By: Robert E. Kitay, R.G. *RK*

**WATER AND WELL DATA**  
 Total Depth of Well Completed: NA  
 Depth of Water First Encountered: 15' Well Screen Type and Diameter: NA  
 Static Depth of Water in Well: NA Well Screen Slot Size: NA  
 Total Depth of Boring: 16' Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		
0							0	Asphalt/Base	
0-4							0-4	Clayey SILT (ML); dark brown; stiff; damp; 75% silt; 20% clay; 5% sand; low plasticity; low estimated K; no odor	
4-6							4-6	Silty SAND (SM); brown; medium dense; wet; 70% sand; 20% silt; 10% clay; non-plastic; high estimated K; no odor	
6-8							6-8	Clayey SILT (ML); dark brown; stiff; damp; 75% silt; 20% clay; 5% sand; low plasticity; low estimated K; no odor	
8-11							8-11	Sandy SILT (ML); yellow brown; stiff; moist; 60% silt; 40% sand; medium estimated K; non-plastic; no odor	
11-14							11-14	Silty CLAY (CL); yellow brown; stiff; moist; 60% clay; 30% silt; 10% sand; moderate plasticity; low estimated K; no odor	
14-16							14-16	Clayey GRAVEL (GC); brown; dense; wet; 60% gravel; 20% clay; 20% sand; non-plastic; high estimated K; no odor	
16-30							16-30	End of boring	

Portland Cement



**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-N

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

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Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 21, 2004

Checked By: Robert E. Kitay, R.G. *RK*

**WATER AND WELL DATA**

Depth of Water First Encountered: 10'

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: 16'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0								Asphalt/Base	
0-5					0			Sandy SILT (ML); brown; stiff; dry; 90% silt; 10% sand; non-plastic; low estimated K; no odor	
5-10					0			Silty CLAY (CH); brown; stiff; damp; 80% clay; 20% silt; high plasticity; very low estimated K; no odor	
10-15		Portland Cement			0			Sandy CLAY (CL); olive; soft; damp; 60% clay; 30% sand; 10% gravel; low plasticity; medium estimated K; moderate hydrocarbon odor	
15-16					0			Gravelly SAND (SW); brown; wet; loose; 60% sand; 30% gravel; 10% clay; non-plastic; high estimated K; no odor	
16-30								End of boring	

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-O

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

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Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 21, 2004

Checked By: Robert E. Kitay, R.G. *RF*

**WATER AND WELL DATA**

Depth of Water First Encountered: 22'

Total Depth of Well Completed: NA

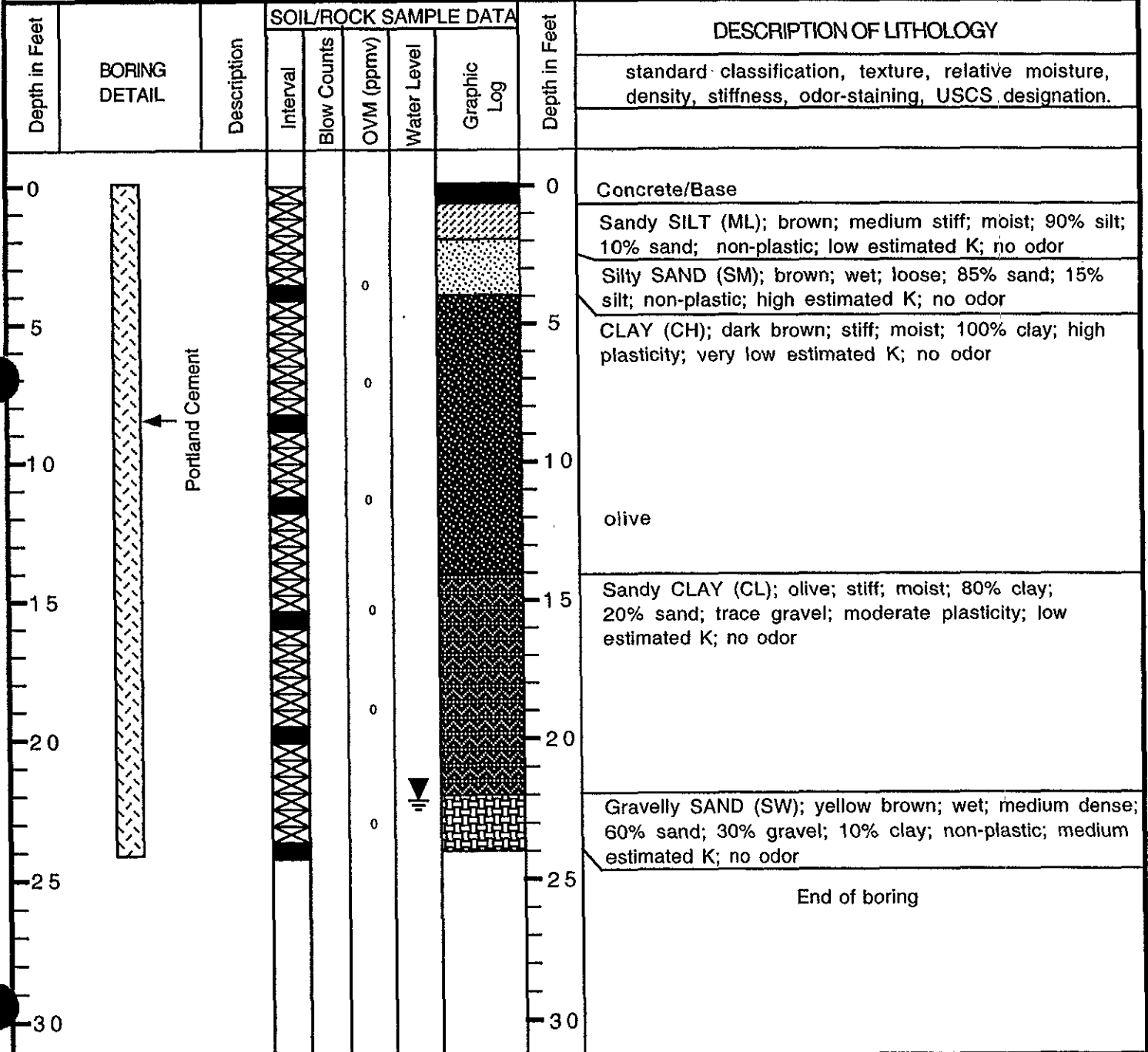
Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 24'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler





**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS** BORING: BH-P

Project Name: Kozel Property Project Location: 1001 42nd St. Oakland, CA Page 1 of 1  
 Driller: Vironex Type of Rig: Geoprobe Size of Drill: 2.0" Diameter  
 Logged By: Damian Hriciga Date Drilled: October 21, 2004 Checked By: Robert E. Kitay, R.G. *pk*

**WATER AND WELL DATA**  
 Depth of Water First Encountered: 13.5'  
 Static Depth of Water in Well: NA  
 Total Depth of Boring: 16'  
 Total Depth of Well Completed: NA  
 Well Screen Type and Diameter: NA  
 Well Screen Slot Size: NA  
 Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY	
			Interval	Blow Counts	OVM (ppmv)	Water Level			Graphic Log
0	<p>Portland Cement</p>							0	Asphalt/Base
5								Sandy SILT (ML); dark brown; stiff; damp; 95% silt; 5% sand; non-plastic; low estimated K; no odor	
10								Silty CLAY (CL); dark brown; stiff; damp; 80% clay; 20% silt; moderate plasticity; low estimated K; slight hydrocarbon odor	
15								Gravelly SAND (SW); olive; moist; loose; 60% sand; 30% gravel; 10% clay; non-plastic; medium estimated K; strong hydrocarbon odor	
20									yellow brown; wet; no odor
25									End of boring
30									

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-Q

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 21, 2004

Checked By: Robert E. Kitay, R.G. *RK*

**WATER AND WELL DATA**

Depth of Water First Encountered: 13.5'

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: 16'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0							Asphalt/Base	
0 - 5					0		Sandy SILT (ML); brown mottled orange; stiff; damp; 90% silt; 10% sand; non-plastic; low estimated K; no odor	
5 - 10					480		Silty CLAY (CL); dark brown; stiff; damp; 80% clay; 20% silt; moderate plasticity; low estimated K; slight hydrocarbon odor	
10 - 15	Portland Cement				375		Sandy CLAY (CL); olive; stiff; damp; 80% clay; 20% sand; moderate plasticity; low estimated K; slight hydrocarbon odor	
15 - 16					98		Gravelly SAND (SW); olive; moist; loose; 60% sand; 30% gravel; 10% clay; non-plastic; high estimated K; moderate hydrocarbon odor yellow brown; wet; slight hydrocarbon odor	
16 - 30							End of boring	

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-R

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damlan Hriciga

Date Drilled: October 21, 2004

Checked By: Robert E. Kitay, R.G. *RK*

**WATER AND WELL DATA**

Total Depth of Well Completed: NA

Depth of Water First Encountered: 13.5'

Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 16'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0	<p>Portland Cement</p>						0	Concrete/Base
5							5	Sandy SILT (ML); brown mottled orange; stiff; damp; 90% silt; 10% sand; non-plastic; low estimated K; no odor
10							10	Silty CLAY (CL); dark brown; stiff; damp; 80% clay; 20% silt; moderate plasticity; low estimated K; no odor
15							15	Sandy CLAY (CL); olive; stiff; damp; 80% clay; 20% silt; moderate plasticity; low estimated K; slight hydrocarbon odor
16							16	Gravelly SAND (SW); olive; moist; loose; 60% sand; 30% gravel; 10% clay; non-plastic; high estimated K; moderate hydrocarbon odor yellow brown; wet; slight hydrocarbon odor
								End of boring

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-S

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damlan Hriciga

Date Drilled: October 21, 2004

Checked By: Robert E. Kitay, R.G. *RK*

**WATER AND WELL DATA**

Depth of Water First Encountered: 19'

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: 20'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0							Asphalt/Base	
0-5					0		Sandy SILT (ML); brown mottled orange; stiff; damp; 90% silt; 10% sand; non-plastic; low estimated K; no odor	
5-10					176		moderate hydrocarbon odor	
10-15					187		Gravelly CLAY (CL); olive; stiff; damp; 60% clay; 30% gravel; 10% sand; moderate plasticity; medium estimated K; strong hydrocarbon odor	
15-20					0		Sandy SILT (ML); olive; medium stiff; moist; 60% silt; 40% sand; non-plastic; medium estimated K; strong hydrocarbon odor	
20					0		Silty CLAY (CL); yellow brown; very stiff; damp; 80% clay; 20% silt; moderate plasticity; low estimated K; no odor	
20					0		Sandy SILT (ML); yellow brown; soft; moist; 60% silt; 40% sand; trace gravel; non-plastic; medium estimated K; no odor	
20							wet @19 feet	
20							End of boring	
25								
30								

Portland Cement

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-T

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damlan Hriciga

Date Drilled: October 21, 2004

Checked By: Robert E. Kitay, R.G. *fk*

**WATER AND WELL DATA**

Depth of Water First Encountered: 12'

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: 18'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0								Concrete/Base	
0-5					0			Sandy SILT (ML); dark brown; medium stiff; moist; 85% silt; 15% sand; non-plastic; low estimated K; no odor olive mottled brown below 3 feet	
5-10					0			Gravelly SAND (SW); olive mottled brown; moist; loose; 60% sand; 40% gravel; non-plastic; high estimated K; no odor	
10-15					31			Silty CLAY (CL); dark brown; stiff; moist; 80% clay; 20% silt; moderate plasticity; low estimated K; no odor	
15-20					310			Sandy CLAY (CL); olive; medium stiff; moist; 70% clay; 15% sand; 15% gravel; non-plastic; medium estimated K; no odor wet between 12 and 13 feet 75% clay; 25% sand below 13 feet wet between 16 and 16.5 feet	
20-30					81			End of boring	

Portland Cement



**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-U

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 21, 2004

Checked By: Robert E. Kitay, R.G. *RE*

**WATER AND WELL DATA**

Total Depth of Well Completed: NA

Depth of Water First Encountered: 9.5'








Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 12'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY	
			Interval	Blow Counts	OVM (ppmv)	Water Level			Graphic Log
0	 <p>Portland Cement</p>							0	Concrete/Base
5								Sandy SILT (ML); yellow brown; medium stiff; moist; 70% silt; 20% sand; 10% gravel; non-plastic; medium estimated K; no odor	
5								5	No recovery - Pea Gravel
10								10	SAND (SP); olive; loose; wet; 100% sand; non-plastic; high estimated K; strong hydrocarbon odor
15								15	End of boring
20								20	
25								25	
30								30	

# SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

BORING: BH-V

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 21 and 22, 2004

Checked By: Robert E. Kitay, R.G.

## WATER AND WELL DATA

Depth of Water First Encountered: Dry

Total Depth of Well Completed: NA

Static Depth of Water in Well: Dry

Well Screen Type and Diameter: NA

Total Depth of Boring: 26'

Well Screen Slot Size: NA

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		
0	<p>Portland Cement</p>							0	Concrete/Base
5								Sandy SILT (ML); brown; medium stiff; moist; 85% silt; 15% sand; non-plastic; low estimated K; no odor	
10								Silty CLAY (CL); dark brown; stiff; moist; 70% clay; 30% silt; low plasticity; low estimated K; no odor	
15								Sandy CLAY (CL); olive; stiff; moist; 60% clay; 40% sand; low plasticity; low estimated K; no odor 90% clay; 10% sand below 13.5 feet	
20									
25								Gravelly SAND (SW); brown; medium dense; moist; 70% sand; 20% gravel; 10% clay; non-plastic; high estimated K; no odor	
26								Gravelly CLAY (CL); olive; stiff; moist; 80% clay; 15% gravel; 5% sand; low plasticity; low estimated K; no odor	
30								End of boring	

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-W

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: October 22, 2004

Checked By: Robert E. Kitay, R.G. *pk*

**WATER AND WELL DATA**

Depth of Water First Encountered: 4'

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: 12'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0	 <p>Portland Cement</p>						0	Concrete/Base
5							Sandy SILT (ML); brown; medium stiff; moist; 90% silt; 10% sand; non-plastic; low estimated K; no odor	
10							Gravelly SAND (SW); brown; loose; wet; 50% sand; 40% gravel; 10% clay; non-plastic; high estimated K; no odor	
15							Silty CLAY (CL); dark brown; stiff; damp; 80% clay; 20% silt; low plasticity; low estimated K; slight hydrocarbon odor	
20							205	Gravelly CLAY (CL); olive; stiff; damp; 80% clay; 20% gravel; low plasticity; low estimated K; slight hydrocarbon odor
25							440	
30								End of boring



# SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS

BORING: BH-X

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: November 9, 2004

Checked By: Robert E. Kitay, R.G. *pk*

## WATER AND WELL DATA

Depth of Water First Encountered: NA

Total Depth of Well Completed: NA

Static Depth of Water in Well: NA

Well Screen Type and Diameter: NA

Total Depth of Boring: 28'

Well Screen Slot Size: NA

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY  standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		
0	<p style="text-align: center;">Portland Cement</p>							0	Concrete/Base
5								0	Sandy SILT (ML); brown; soft; moist; 80% silt; 20% sand; non-plastic; low estimated K; no odor
5								67	CLAY (CH); black; stiff; damp; 100% clay; high plasticity; very low estimated K; no odor moderate hydrocarbon odor below 6 feet
10								103	Gravelly CLAY (CL); olive; stiff; moist; 50% clay; 35% gravel; 15% sand; non-plastic; medium estimated K; moderate hydrocarbon odor
15								5.2	Sandy CLAY (CH); olive; medium stiff; moist; 95% clay; 5% sand; trace gravel; high plasticity; very low estimated K; no odor
20								0	yellow brown; 60% clay; 20% sand; 20% gravel
20								0	Clayey SILT (ML); yellow brown; soft; moist; 60% silt; 20% clay; 20% gravel; moderate plasticity; low estimated K; no odor
25								0	
25								0	
30								0	End of boring

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-Y

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: November 9, 2004

Checked By: Robert E. Kitay, R.G. *RK*

**WATER AND WELL DATA**

Depth of Water First Encountered: 13.5'

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: 18'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0							Concrete/Base	
0-5					0		Sandy SILT (ML); brown; medium stiff; moist; 80% silt; 20% sand; non-plastic; low estimated K; no odor	
5-10					470		soft	
10-15					115		Sandy CLAY (CL); black; stiff; damp; 80% clay; 15% silt; 5% sand; moderate plasticity; low estimated K; moderate hydrocarbon odor	
15-20							Clayey SAND (SC); olive; medium dense; wet; 60% sand; 30% clay; 10% gravel; non-plastic; medium estimated K; moderate hydrocarbon odor	
20-30							End of boring	

Portland Cement



**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-Z

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: November 9, 2004

Checked By: Robert E. Kitay, R.G. *RK*

**WATER AND WELL DATA**

Depth of Water First Encountered: 13.5'

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: 15'





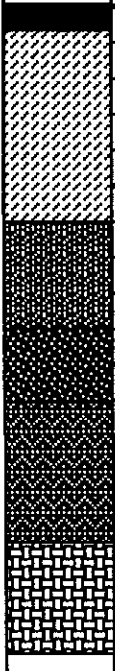
Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level			standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	<p>Portland Cement</p>							0	Concrete/Base
5								Sandy SILT (ML); brown; medium stiff; moist; 90% silt; 10% sand; non-plastic; low estimated K; no odor	
5								70% silt; 25% sand; 5% gravel 95% silt; 5% sand	
10								CLAY (CH); black; stiff; moist; 100% clay; high plasticity; very low estimated K; no odor moderate hydrocarbon odor below 10 feet	
15								Sandy CLAY (CL); black; stiff; moist; 80% clay; 20% sand; trace gravel; moderate plasticity; low estimated K; strong hydrocarbon odor	
15	Clayey SAND (SC); olive; medium dense; wet; 60% sand; 30% clay; 10% gravel; non-plastic; medium estimated K; moderate hydrocarbon odor								
15								End of boring	
20									
25									
30									

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS** BORING: BH-AA

Project Name: Kozel Property      Project Location: 1001 42nd St. Oakland, CA      Page 1 of 1  
 Driller: Vironex      Type of Rig: Geoprobe      Size of Drill: 2.0" Diameter  
 Logged By: Damian Hrciga      Date Drilled: December 14, 2004      Checked By: Robert E. Kitay, R.G. *RV*

**WATER AND WELL DATA**  
 Depth of Water First Encountered: 15'  
 Static Depth of Water in Well: NA  
 Total Depth of Boring: 18'  
 Total Depth of Well Completed: NA  
 Well Screen Type and Diameter: NA  
 Well Screen Slot Size: NA  
 Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Blow Counts	OVM (ppmv)	Water Level		
0	 <p>Portland Cement</p>					0	Concrete/Base	
5						Sandy SILT (ML); brown; soft; dry; 80% silt; 20% sand; non-plastic; low estimated K; no odor		
10						Silty CLAY (CL); dark brown; medium stiff; moist; 80% clay; 15% silt; 5% sand; moderate plasticity; low estimated K; no odor		
10						CLAY (CH); olive; stiff; moist; 95% clay; 5% gravel; high plasticity; low estimated K; strong hydrocarbon odor		
15						Sandy CLAY (CH); olive; stiff; moist; 50% clay; 35% sand; 15% gravel; non-plastic; medium estimated K; strong hydrocarbon odor		
15						Gravelly SAND (SW); yellow brown; medium dense; wet; 50% sand; 30% gravel; 20% clay; non-plastic; high estimated K; strong hydrocarbon odor		
20	End of boring							
25								
30								

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-BB

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: December 14, 2004

Checked By: Robert E. Kitay, R.G. *RK*

**WATER AND WELL DATA**

Depth of Water First Encountered: 15'

Total Depth of Well Completed: NA

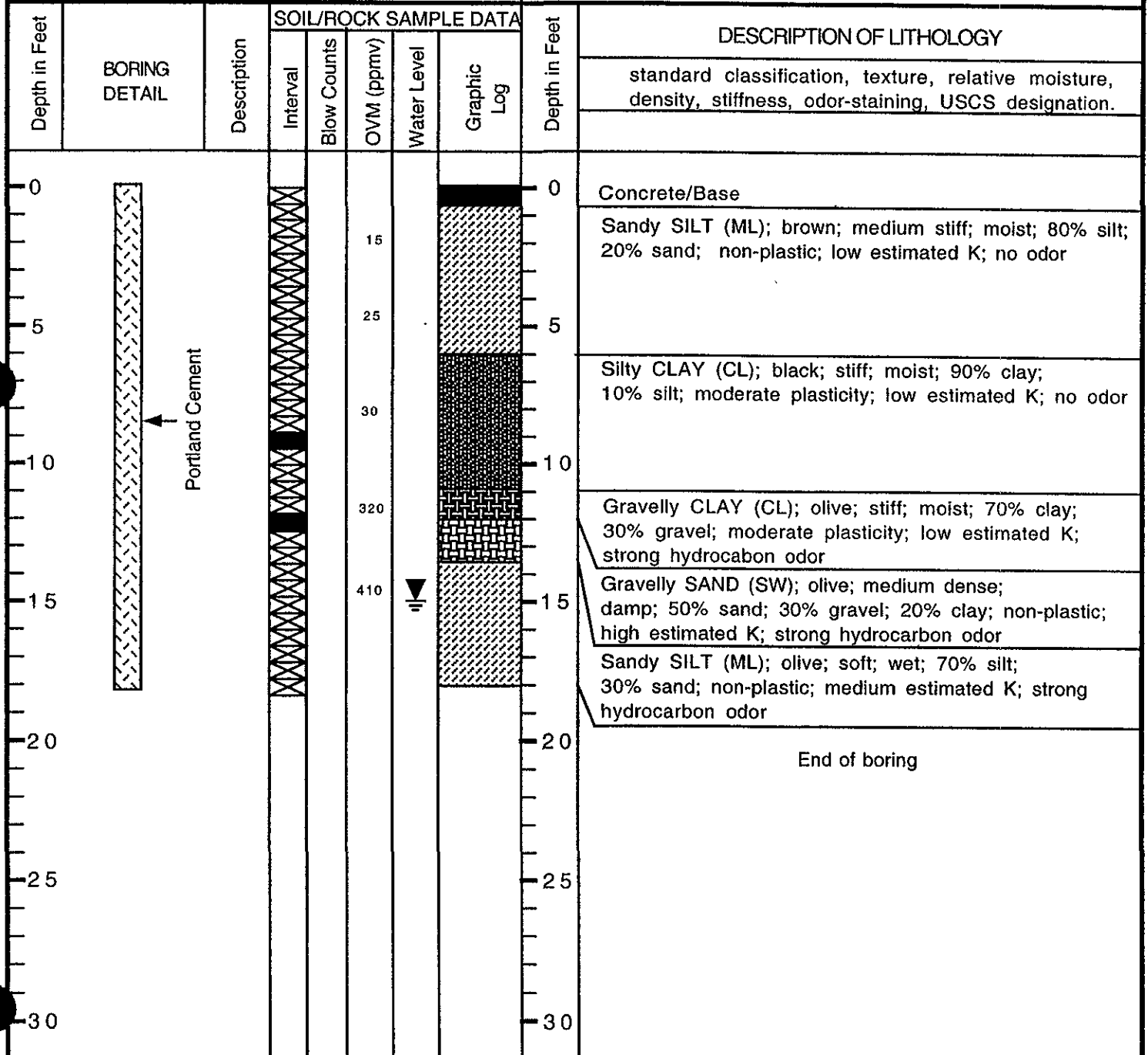
Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 18'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler



**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS** BORING: BH-CC

Project Name: Kozel Property Project Location: 1001 42nd St. Oakland, CA Page 1 of 1  
 Driller: Vironex Type of Rig: Geoprobe Size of Drill: 2.0" Diameter  
 Logged By: Damian Hriciga Date Drilled: November 14, 2004 Checked By: Robert E. Kitay, R.G. *pk*

**WATER AND WELL DATA**  
 Total Depth of Well Completed: NA  
 Depth of Water First Encountered: NA Well Screen Type and Diameter: NA  
 Static Depth of Water in Well: NA Well Screen Slot Size: NA  
 Total Depth of Boring: 23' Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY				
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.				
0			0					0	Concrete/Base				
5			50					0	0	0	0	Sandy SILT (ML); brown; medium stiff; moist; 80% silt; 20% sand; non-plastic; low estimated K; no odor yellow brown; damp	
10			270					0	0	0	0	Silty CLAY (CH); dark brown mottled red; stiff; moist; 70% clay; 30% silt; low plasticity; low estimated K; no odor 90% clay; 10% silt; high plasticity; very low estimated K	
15			77					0	0	0	0	CLAY (CH); dark brown; stiff; moist; 100% clay; trace sand and gravel; high plasticity; very low estimated K; strong hydrocarbon odor olive below 13 feet	
20			0					0	0	0	0	Silty CLAY (CL); olive; stiff; damp; 50% clay; 25% silt; 15% sand; 10% gravel; non-plastic; low estimated K; no odor	
25													End of boring
30													

**SOIL BORING LOG AND MONITORING WELL COMPLETION DETAILS**

BORING: BH-DD

Project Name: Kozel Property

Project Location: 1001 42nd St. Oakland, CA

Page 1 of 1

Driller: Vironex

Type of Rig: Geoprobe

Size of Drill: 2.0" Diameter

Logged By: Damian Hriciga

Date Drilled: December 14, 2004

Checked By: Robert E. Kitay, R.G. *REK*

**WATER AND WELL DATA**

Depth of Water First Encountered: 13'

Total Depth of Well Completed: NA





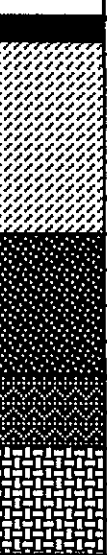
Well Screen Type and Diameter: NA

Static Depth of Water in Well: NA

Well Screen Slot Size: NA

Total Depth of Boring: 15'

Type and Size of Soil Sampler: 2.0" I.D. Macro Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA					Depth in Feet	DESCRIPTION OF LITHOLOGY standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
			Interval	Blow Counts	OVM (ppmv)	Water Level	Graphic Log		
0	 <p>Portland Cement</p>							0	Concrete/Base
5								Sandy SILT (ML); brown; soft; dry; 80% silt; 20% sand; non-plastic; low estimated K; no odor	
10								CLAY (CH); dark brown; medium stiff; moist; 100% clay; high plasticity; very low estimated K; no odor	
15								Sandy CLAY (CL); olive; stiff; moist; 60% clay; 40% sand; low plasticity; low estimated K; no odor	
									Gravelly SAND (SW); yellow brown; medium dense; wet; 50% sand; 30% gravel; 20% clay; non-plastic; high estimated K; no odor
									End of boring
20									
25									
30									

## **APPENDIX E**

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



**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-A 15.5'	10/18/2004 10:04	Soil	4
BH-B 11.5'	10/18/2004 11:02	Soil	8
BH-C 14.5'	10/18/2004 13:30	Soil	12
BH-D 15.5'	10/18/2004 14:02	Soil	19
BH-E 15.5'	10/19/2004 11:58	Soil	27

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 17:17

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: BH-A 15.5	Lab ID: 2004-10-0627 -4
Sampled: 10/18/2004 10:04	Extracted: 10/22/2004 06:07
Matrix: Soil	QC Batch#: 2004/10/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	8.3	1.0	mg/Kg	1.00	10/22/2004 22:54	
<b>Surrogate(s)</b>						
o-Terphenyl	78.7	60-130	%	1.00	10/22/2004 22:54	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

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Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-B 11.5	Lab ID:	2004-10-0627 - 8
Sampled:	10/18/2004 11:02	Extracted:	10/22/2004 06:07
Matrix:	Soll	QC Batch#:	2004/10/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	130	1.0	mg/Kg	1.00	10/22/2004 23:22	
<i>Surrogate(s)</i>						
o-Terphenyl	81.4	60-130	%	1.00	10/22/2004 23:22	

**TEPH w/ Silica Gel Clean-up**

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 3550/8015M      Test(s): 8015M  
 Sample ID: **BH-C 14.5**      Lab ID: 2004-10-0627-12  
 Sampled: 10/18/2004 13:30      Extracted: 10/21/2004 08:02  
 Matrix: Soil      QC Batch#: 2004/10/21-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	13	1.0	mg/Kg	1.00	10/22/2004 18:20	
<b>Surrogate(s)</b>						
o-Terphenyl	83.8	60-130	%	1.00	10/22/2004 18:20	

**TEPH w/ Silica Gel Clean-up**

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Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>BH-D 15.5'</b>	Lab ID:	2004-10-0627-19
Sampled:	10/18/2004 14:02	Extracted:	10/21/2004 08:02
Matrix:	Soil	QC Batch#:	2004/10/21-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	5.4	1.0	mg/Kg	1.00	10/22/2004 18:47	
<b>Surrogate(s)</b> o-Terphenyl	81.8	60-130	%	1.00	10/22/2004 18:47	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

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Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-E 15.5	Lab ID:	2004-10-0627 - 27
Sampled:	10/19/2004 11:58	Extracted:	10/21/2004 08:02
Matrix:	Soil	QC Batch#:	2004/10/21-02-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	2.0	1.0	mg/Kg	1.00	10/22/2004 19:15	
<b>Surrogate(s)</b> o-Terphenyl	75.8	60-130	%	1.00	10/22/2004 19:15	

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Page 6 of 10

**TEPH w/ Silica Gel Clean-up**

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208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2004/10/21-02,10

MB: 2004/10/21-02,10-001

Date Extracted: 10/21/2004 08:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/21/2004 16:45	
Mineral spirits	ND	1	mg/Kg	10/21/2004 16:45	
<b>Surrogates(s)</b> o-Terphenyl	86.5	60-130	%	10/21/2004 16:45	

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 17:17

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 3550/8015M  
Method Blank

Soil

Test(s): 8015M  
QC Batch # 2004/10/22-01.10

MB: 2004/10/22-01.10-001

Date Extracted: 10/22/2004 06:07

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/22/2004 22:27	
Mineral spirits	ND	1	mg/Kg	10/22/2004 22:27	
<b>Surrogates(s)</b> o-Terphenyl	74.2	60-130	%	10/22/2004 22:27	

Severn Trent Laboratories, Inc.

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10/26/2004 17:17



**TEPH w/ Silica Gel Clean-up**

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Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/10/21-02:10**

LCS 2004/10/21-02:10-002

Extracted: 10/21/2004

Analyzed: 10/21/2004 15:02

LCSD 2004/10/21-02:10-003

Extracted: 10/21/2004

Analyzed: 10/21/2004 15:29

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	29.8	33.3	41.2	72.3	80.6	10.9	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	19.3	19.7	20.0	96.4	98.6		60-130	0		

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/26/2004 17:17

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2004/10/22-01.10

LCS 2004/10/22-01.10-002

Extracted: 10/22/2004

Analyzed: 10/22/2004 13:55

LCSD 2004/10/22-01.10-003

Extracted: 10/22/2004

Analyzed: 10/22/2004 15:01

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	30.0	28.1	41.7	71.9	67.5	6.3	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	17.6	17.6	20.0	88.2	87.9		60-130	0		

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10/26/2004 17:17

Page 10 of 10

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-A 15.5'	10/18/2004 10:04	Soil	4
BH-B 11.5'	10/18/2004 11:02	Soil	8
BH-C 14.5'	10/18/2004 13:30	Soil	12
BH-D 15.5'	10/18/2004 14:02	Soil	19
BH-E 15.5'	10/19/2004 11:58	Soil	27

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-A 15.5 Lab ID: 2004-10-0627 - 4  
 Sampled: 10/18/2004 10:04 Extracted: 10/21/2004 23:05  
 Matrix: Soil QC Batch#: 2004/10/21-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Acetone	ND	50	ug/Kg	1.00	10/21/2004 23:05	
Benzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Bromochloromethane	ND	20	ug/Kg	1.00	10/21/2004 23:05	
Bromoform	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Bromomethane	ND	10	ug/Kg	1.00	10/21/2004 23:05	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/21/2004 23:05	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Chloroethane	ND	10	ug/Kg	1.00	10/21/2004 23:05	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	10/21/2004 23:05	
Chloroform	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Chloromethane	ND	10	ug/Kg	1.00	10/21/2004 23:05	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/21/2004 23:05	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/21/2004 23:05	
Dibromomethane	ND	10	ug/Kg	1.00	10/21/2004 23:05	

Severn Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-A 15.5'	Lab ID:	2004-10-0627 - 4
Sampled:	10/18/2004 10:04	Extracted:	10/21/2004 23:05
Matrix:	Soil	QC Batch#:	2004/10/21-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/21/2004 23:05	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
2-Hexanone	ND	50	ug/Kg	1.00	10/21/2004 23:05	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Methylene chloride	ND	10	ug/Kg	1.00	10/21/2004 23:05	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/21/2004 23:05	
Naphthalene	ND	10	ug/Kg	1.00	10/21/2004 23:05	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Styrene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Toluene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
 Darville, CA 94526  
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Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-A 15.5 Lab ID: 2004-10-0627 - 4  
 Sampled: 10/18/2004 10:04 Extracted: 10/21/2004 23:05  
 Matrix: Soil QC Batch#: 2004/10/21-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Vinyl acetate	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
Total xylenes	ND	5.0	ug/Kg	1.00	10/21/2004 23:05	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	99.8	74-121	%	1.00	10/21/2004 23:05	
1,2-Dichloroethane-d4	101.8	70-121	%	1.00	10/21/2004 23:05	
Toluene-d8	100.8	81-117	%	1.00	10/21/2004 23:05	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-B 11.5 Lab ID: 2004-10-0627 - 8  
 Sampled: 10/18/2004 11:02 Extracted: 10/21/2004 23:38  
 Matrix: Soil QC Batch#: 2004/10/21-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Acetone	86	50	ug/Kg	1.00	10/21/2004 23:38	
Benzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Bromochloromethane	ND	20	ug/Kg	1.00	10/21/2004 23:38	
Bromoform	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Bromomethane	ND	10	ug/Kg	1.00	10/21/2004 23:38	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/21/2004 23:38	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
tert-Butylbenzene	27	5.0	ug/Kg	1.00	10/21/2004 23:38	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Chloroethane	ND	10	ug/Kg	1.00	10/21/2004 23:38	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	10/21/2004 23:38	
Chloroform	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Chloromethane	ND	10	ug/Kg	1.00	10/21/2004 23:38	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/21/2004 23:38	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/21/2004 23:38	
Dibromomethane	ND	10	ug/Kg	1.00	10/21/2004 23:38	

Severn Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-B 11.5 Lab ID: 2004-10-0627 - 8  
 Sampled: 10/18/2004 11:02 Extracted: 10/21/2004 23:38  
 Matrix: Soil QC Batch#: 2004/10/21-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/21/2004 23:38	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
2-Hexanone	ND	50	ug/Kg	1.00	10/21/2004 23:38	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Methylene chloride	ND	10	ug/Kg	1.00	10/21/2004 23:38	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/21/2004 23:38	
Naphthalene	ND	10	ug/Kg	1.00	10/21/2004 23:38	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Styrene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Toluene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	

Severn Trent Laboratories, Inc.

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10/25/2004 15:07



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035	Test(s): 8260B
Sample ID: BH-B 11.5	Lab ID: 2004-10-0627-8
Sampled: 10/18/2004 11:02	Extracted: 10/21/2004 23:38
Matrix: Soil	QC Batch#: 2004/10/21-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Vinyl acetate	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
Total xylenes	ND	5.0	ug/Kg	1.00	10/21/2004 23:38	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	270.6	74-121	%	1.00	10/21/2004 23:38	sh
1,2-Dichloroethane-d4	108.1	70-121	%	1.00	10/21/2004 23:38	
Toluene-d8	100.3	81-117	%	1.00	10/21/2004 23:38	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-C 14.5 Lab ID: 2004-10-0627 - 12  
 Sampled: 10/18/2004 13:30 Extracted: 10/22/2004 00:12  
 Matrix: Soil QC Batch#: 2004/10/21-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Acetone	52	50	ug/Kg	1.00	10/22/2004 00:12	
Benzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Bromochloromethane	ND	20	ug/Kg	1.00	10/22/2004 00:12	
Bromoform	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Bromomethane	ND	10	ug/Kg	1.00	10/22/2004 00:12	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/22/2004 00:12	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Chloroethane	ND	10	ug/Kg	1.00	10/22/2004 00:12	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	10/22/2004 00:12	
Chloroform	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Chloromethane	ND	10	ug/Kg	1.00	10/22/2004 00:12	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/22/2004 00:12	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/22/2004 00:12	
Dibromomethane	ND	10	ug/Kg	1.00	10/22/2004 00:12	

Severn Trent Laboratories, Inc.

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10/25/2004 15:07

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035	Test(s): 8260B
Sample ID: BH-C 14.5'	Lab ID: 2004-10-0627 - 12
Sampled: 10/18/2004 13:30	Extracted: 10/22/2004 00:12
Matrix: Soil	QC Batch#: 2004/10/21-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/22/2004 00:12	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
2-Hexanone	ND	50	ug/Kg	1.00	10/22/2004 00:12	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Methylene chloride	ND	10	ug/Kg	1.00	10/22/2004 00:12	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/22/2004 00:12	
Naphthalene	ND	10	ug/Kg	1.00	10/22/2004 00:12	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Styrene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Toluene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/25/2004 15:07

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035	Test(s): 8260B
Sample ID: BH-C 14.5	Lab ID: 2004-10-0627 - 12
Sampled: 10/18/2004 13:30	Extracted: 10/22/2004 00:12
Matrix: Soil	QC Batch#: 2004/10/21-01:71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Vinyl acetate	ND	50	ug/Kg	1.00	10/22/2004 00:12	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
Total xylenes	ND	5.0	ug/Kg	1.00	10/22/2004 00:12	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	77.8	74-121	%	1.00	10/22/2004 00:12	
1,2-Dichloroethane-d4	111.0	70-121	%	1.00	10/22/2004 00:12	
Toluene-d8	102.4	81-117	%	1.00	10/22/2004 00:12	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prép(s):	5035	Test(s):	8260B
Sample ID:	BH-D 15.5	Lab ID:	2004-10-0627 - 19
Sampled:	10/18/2004 14:02	Extracted:	10/22/2004 00:46
Matrix:	Soil	QC Batch#:	2004/10/21-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Acetone	ND	50	ug/Kg	1.00	10/22/2004 00:46	
Benzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Bromochloromethane	ND	20	ug/Kg	1.00	10/22/2004 00:46	
Bromoform	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Bromomethane	ND	10	ug/Kg	1.00	10/22/2004 00:46	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/22/2004 00:46	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Chloroethane	ND	10	ug/Kg	1.00	10/22/2004 00:46	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	10/22/2004 00:46	
Chloroform	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Chloromethane	ND	10	ug/Kg	1.00	10/22/2004 00:46	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/22/2004 00:46	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/22/2004 00:46	
Dibromomethane	ND	10	ug/Kg	1.00	10/22/2004 00:46	

Severn Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-D 15.5	Lab ID:	2004-10-0627 - 19
Sampled:	10/18/2004 14:02	Extracted:	10/22/2004 00:46
Matrix:	Soil	QC Batch#:	2004/10/21-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/22/2004 00:46	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
2-Hexanone	ND	50	ug/Kg	1.00	10/22/2004 00:46	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Methylene chloride	ND	10	ug/Kg	1.00	10/22/2004 00:46	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/22/2004 00:46	
Naphthalene	ND	10	ug/Kg	1.00	10/22/2004 00:46	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Styrene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Toluene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/25/2004 15:07

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-D 15.5 Lab ID: 2004-10-0627 - 19  
 Sampled: 10/18/2004 14:02 Extracted: 10/22/2004 00:46  
 Matrix: Soil QC Batch#: 2004/10/21-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Vinyl acetate	ND	50	ug/Kg	1.00	10/22/2004 00:46	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
Total xylenes	ND	5.0	ug/Kg	1.00	10/22/2004 00:46	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	99.2	74-121	%	1.00	10/22/2004 00:46	
1,2-Dichloroethane-d4	108.8	70-121	%	1.00	10/22/2004 00:46	
Toluene-d8	98.7	81-117	%	1.00	10/22/2004 00:46	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035 Test(s): 8260B  
 Sample ID: **BH-E 15.5** Lab ID: 2004-10-0627 - 27  
 Sampled: 10/19/2004 11:58 Extracted: 10/21/2004 16:56  
 Matrix: Soil QC Batch#: 2004/10/21-01.71  
 Analysis Flag: is ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Acetone	ND	50	ug/Kg	1.00	10/21/2004 16:56	
Benzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Bromochloromethane	ND	20	ug/Kg	1.00	10/21/2004 16:56	
Bromoform	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Bromomethane	ND	10	ug/Kg	1.00	10/21/2004 16:56	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/21/2004 16:56	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Chloroethane	ND	10	ug/Kg	1.00	10/21/2004 16:56	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	10/21/2004 16:56	
Chloroform	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Chloromethane	ND	10	ug/Kg	1.00	10/21/2004 16:56	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/21/2004 16:56	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/21/2004 16:56	

Sewern Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-E 15.5 Lab ID: 2004-10-0627 - 27  
 Sampled: 10/19/2004 11:58 Extracted: 10/21/2004 16:56  
 Matrix: Soil QC Batch#: 2004/10/21-01.71  
 Analysis Flag: Is ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	10	ug/Kg	1.00	10/21/2004 16:56	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/21/2004 16:56	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
2-Hexanone	ND	50	ug/Kg	1.00	10/21/2004 16:56	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Methylene chloride	ND	10	ug/Kg	1.00	10/21/2004 16:56	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/21/2004 16:56	
Naphthalene	ND	10	ug/Kg	1.00	10/21/2004 16:56	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Styrene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Toluene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	

Severn Trent Laboratories, Inc.

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10/25/2004 15:07

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-E 15.5 Lab ID: 2004-10-0627 - 27  
 Sampled: 10/19/2004 11:58 Extracted: 10/21/2004 16:56  
 Matrix: Soil QC Batch#: 2004/10/21-01.71  
 Analysis Flag: is ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Vinyl acetate	ND	50	ug/Kg	1.00	10/21/2004 16:56	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
Total xylenes	ND	5.0	ug/Kg	1.00	10/21/2004 16:56	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	85.5	74-121	%	1.00	10/21/2004 16:56	
1,2-Dichloroethane-d4	106.6	70-121	%	1.00	10/21/2004 16:56	
Toluene-d8	104.7	81-117	%	1.00	10/21/2004 16:56	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/21-01.71-049

Soil

Test(s): 8260B

QC Batch # 2004/10/21-01.71

Date Extracted: 10/21/2004 10:49

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	10/21/2004 10:49	
Acetone	ND	50	ug/Kg	10/21/2004 10:49	
Benzene	ND	5.0	ug/Kg	10/21/2004 10:49	
Bromodichloromethane	ND	5.0	ug/Kg	10/21/2004 10:49	
Bromobenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
Bromochloromethane	ND	20	ug/Kg	10/21/2004 10:49	
Bromoform	ND	5.0	ug/Kg	10/21/2004 10:49	
Bromomethane	ND	10	ug/Kg	10/21/2004 10:49	
2-Butanone(MEK)	ND	50	ug/Kg	10/21/2004 10:49	
n-Butylbenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
sec-Butylbenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
tert-Butylbenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
Carbon disulfide	ND	5.0	ug/Kg	10/21/2004 10:49	
Carbon tetrachloride	ND	5.0	ug/Kg	10/21/2004 10:49	
Chlorobenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
Chloroethane	ND	10	ug/Kg	10/21/2004 10:49	
Chloroform	ND	5.0	ug/Kg	10/21/2004 10:49	
Chloromethane	ND	10	ug/Kg	10/21/2004 10:49	
2-Chlorotoluene	ND	5.0	ug/Kg	10/21/2004 10:49	
4-Chlorotoluene	ND	5.0	ug/Kg	10/21/2004 10:49	
Dibromochloromethane	ND	5.0	ug/Kg	10/21/2004 10:49	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
1,3-Dichloropropane	ND	5.0	ug/Kg	10/21/2004 10:49	
2,2-Dichloropropane	ND	5.0	ug/Kg	10/21/2004 10:49	
1,1-Dichloropropene	ND	5.0	ug/Kg	10/21/2004 10:49	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	10/21/2004 10:49	
1,2-Dibromoethane	ND	10	ug/Kg	10/21/2004 10:49	
Dibromomethane	ND	10	ug/Kg	10/21/2004 10:49	
Dichlorodifluoromethane	ND	10	ug/Kg	10/21/2004 10:49	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/25/2004 15:07

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

Method Blank

Soil

QC Batch # 2004/10/21-01.71

MB: 2004/10/21-01.71-049

Date Extracted: 10/21/2004 10:49

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	10/21/2004 10:49	
1,2-Dichloroethane	ND	5.0	ug/Kg	10/21/2004 10:49	
1,1-Dichloroethene	ND	5.0	ug/Kg	10/21/2004 10:49	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	10/21/2004 10:49	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	10/21/2004 10:49	
1,2-Dichloropropane	ND	5.0	ug/Kg	10/21/2004 10:49	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	10/21/2004 10:49	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	10/21/2004 10:49	
Ethylbenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
Hexachlorobutadiene	ND	5.0	ug/Kg	10/21/2004 10:49	
2-Hexanone	ND	50	ug/Kg	10/21/2004 10:49	
Isopropylbenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
p-Isopropyltoluene	ND	5.0	ug/Kg	10/21/2004 10:49	
Methylene chloride	ND	10	ug/Kg	10/21/2004 10:49	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	10/21/2004 10:49	
Naphthalene	ND	10	ug/Kg	10/21/2004 10:49	
n-Propylbenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
Styrene	ND	5.0	ug/Kg	10/21/2004 10:49	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	10/21/2004 10:49	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	10/21/2004 10:49	
Tetrachloroethene	ND	5.0	ug/Kg	10/21/2004 10:49	
Toluene	ND	5.0	ug/Kg	10/21/2004 10:49	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	10/21/2004 10:49	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	10/21/2004 10:49	
Trichloroethene	ND	5.0	ug/Kg	10/21/2004 10:49	
Trichlorofluoromethane	ND	5.0	ug/Kg	10/21/2004 10:49	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	10/21/2004 10:49	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	10/21/2004 10:49	
Vinyl acetate	ND	50	ug/Kg	10/21/2004 10:49	

Severn Trent Laboratories, Inc.

10/25/2004 15:07

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/21-01.71-049

Soil

Test(s): 8260B

QC Batch # 2004/10/21-01.71

Date Extracted: 10/21/2004 10:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	5.0	ug/Kg	10/21/2004 10:49	
Total xylenes	ND	5.0	ug/Kg	10/21/2004 10:49	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	96.2	74-121	%	10/21/2004 10:49	
1,2-Dichloroethane-d4	107.8	70-121	%	10/21/2004 10:49	
Toluene-d8	102.6	81-117	%	10/21/2004 10:49	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/25/2004 15:07

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/10/21-01.71**

LCS 2004/10/21-01.71-039

Extracted: 10/21/2004

Analyzed: 10/21/2004 08:39

LCSD 2004/10/21-01.71-012

Extracted: 10/21/2004

Analyzed: 10/21/2004 09:12

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	101	101	100.0	101.0	101.0	0.0	69-129	20		
Chlorobenzene	94.3	91.3	100.0	94.3	91.3	3.2	61-121	20		
1,1-Dichloroethene	94.6	94.2	100.0	94.6	94.2	0.4	65-125	20		
Toluene	103	99.5	100.0	103.0	99.5	3.5	70-130	20		
Trichloroethene	100	94.8	100.0	100.0	94.8	5.3	74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	456	462	500	91.2	92.4		74-121			
1,2-Dichloroethane-d4	490	497	500	98.0	99.4		70-121			
Toluene-d8	511	502	500	102.2	100.4		81-117			

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/25/2004 15:07

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

**Matrix Spike (MS / MSD)**

**Soil**

**QC Batch # 2004/10/21-01.71**

BH-E 15.5' >> MS

Lab ID: 2004-10-0627 - 027

MS: 2004/10/21-01.71-050

Extracted: 10/21/2004

Analyzed: 10/21/2004 15:50

Dilution: 1.00

MSD: 2004/10/21-01.71-023

Extracted: 10/21/2004

Analyzed: 10/21/2004 16:23

Dilution: 1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	102	104	ND	98.6	103.4	105.3	1.8	69-129	20		
Chlorobenzene	93.6	84.2	ND	98.6	94.9	85.2	10.8	61-121	20		
1,1-Dichloroethene	106	110	ND	98.6	107.5	111.3	3.5	65-125	20		
Toluene	98.2	103	ND	98.6	99.6	104.3	4.6	70-130	20		
Trichloroethene	98.5	98.8	ND	98.6	99.9	100.0	0.1	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	451	409		500	90.2	81.7		74-121			
1,2-Dichloroethane-d4	520	518		500	104.1	103.6		70-121			
Toluene-d8	502	516		500	100.5	103.3		81-117			

Severn Trent Laboratories, Inc.

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10/25/2004 15:07

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

---

**Legend and Notes**

---

**Analysis Flag**

is

Internal standard out of range due to matrix interference.

**Result Flag**

sh

Surrogate recovery was higher than QC limit due to matrix interference.

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496









**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-A	10/18/2004 10:05	Water	1
BH-B	10/18/2004 11:35	Water	2
BH-C	10/19/2004 11:30	Water	3

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 16:38

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: <b>BH-A</b>	Lab ID: 2004-10-0605-1
Sampled: 10/18/2004 10:05	Extracted: 10/22/2004 08:37
Matrix: Water	QC Batch#: 2004/10/22-05-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	54	50	ug/L	1.00	10/23/2004 16:34	
<i>Surrogate(s)</i> o-Terphenyl	62.8	60-130	%	1.00	10/23/2004 16:34	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 3510/8015M Test(s): 8015M  
 Sample ID: **BH-B** Lab ID: 2004-10-0605 - 2  
 Sampled: 10/18/2004 11:35 Extracted: 10/22/2004 08:37  
 Matrix: Water QC Batch#: 2004/10/22-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	1700000	50000	ug/L	1000.00	10/25/2004 17:50	
<b>Surrogate(s)</b> o-Terphenyl	NA	60-130	%	1000.00	10/25/2004 17:50	sd

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 16:38

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: BH-C	Lab ID: 2004-10-0605 - 3
Sampled: 10/19/2004 11:30	Extracted: 10/22/2004 08:37
Matrix: Water	QC Batch#: 2004/10/22-05-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	230	50	ug/L	1.00	10/25/2004 18:18	
<i>Surrogate(s)</i> o-Terphenyl	78.3	60-130	%	1.00	10/25/2004 18:18	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 16:38

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 3510/8015M  
Method Blank

Water

Test(s): 8015M  
QC Batch # 2004/10/22-05.10

MB: 2004/10/22-05.10-001

Date Extracted: 10/22/2004 08:37

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/23/2004 12:49	
Mineral spirits	ND	50	ug/L	10/23/2004 12:49	
<b>Surrogates(s)</b> o-Terphenyl	75.5	60-130	%	10/23/2004 12:49	



**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/10/22-05:10**

LCS 2004/10/22-05.10-002

Extracted: 10/22/2004

Analyzed: 10/23/2004 14:16

LCSD 2004/10/22-05.10-003

Extracted: 10/22/2004

Analyzed: 10/23/2004 14:44

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	720	765	1000	72.0	76.5	6.1	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	16.3	17.3	20.0	81.5	86.3		60-130	0		

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 16:38

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

---

**Legend and Notes**

---

**Result Flag**

sd

Surrogate recovery not reportable due to required dilution.

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 16:38

MINERAL  
SPIRITS

2004-10-0605

Reference #: 94846

Date 10/9/04 Page 1 of 1

Report To					Analysis Request																													
Attn: <b>KAS KRAY</b>																																		
Company: <b>ADVA SCIENCE</b>																																		
Address: <b>208 W. 12 PLYMOUTH</b>																																		
Phone: <b>925-820-4391</b> Email:																																		
Bill To:		Sampled by:																																
Attn:		Phone:																																
Sample ID	Date	Time	Mat rx	Pres erv.	<input type="checkbox"/> TPH EPA - 8015/8021 <input type="checkbox"/> 8208	<input type="checkbox"/> Gas W <input type="checkbox"/> DTEX <input type="checkbox"/> MTHF	<input type="checkbox"/> PUGENB/Aromatics	<input type="checkbox"/> BTX EPA - 8021 <input type="checkbox"/> 8208	<input type="checkbox"/> TEPH EPA 801GM* <input checked="" type="checkbox"/> Silicon Oil	<input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	<input type="checkbox"/> Fuel Test EPA 8208 <input type="checkbox"/> Gas <input type="checkbox"/> BTEX	<input type="checkbox"/> Pkgs On/Offsites <input type="checkbox"/> DCA <input type="checkbox"/> LFO <input type="checkbox"/> E5/Jnd	<input type="checkbox"/> Purgables/Hydrocarbons (HYOCs) EPA 8021 by 83505	<input type="checkbox"/> Volatile Organics GC/MS (VOCs) EPA 8208 <input type="checkbox"/> 924	<input checked="" type="checkbox"/> Semivolatiles GC/MS	<input type="checkbox"/> EPA 8210 <input type="checkbox"/> 625	<input type="checkbox"/> Oil and Grease <input type="checkbox"/> Petroleum (EPA 1631) <input type="checkbox"/> Total	<input type="checkbox"/> Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608	<input type="checkbox"/> PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608	<input type="checkbox"/> PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 0310	<input type="checkbox"/> CM17 Metals (EPA 8210/7470/7471)	<input type="checkbox"/> Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	<input type="checkbox"/> Low Level Metals by EPA 200.9/6020 (ICP-MS)	<input type="checkbox"/> WLEI (STIC) <input type="checkbox"/> TCLD	<input type="checkbox"/> Hexivalent Chromium pH (24h hold time for H <sub>2</sub> O)	<input type="checkbox"/> Spent Cond <input type="checkbox"/> TDS <input type="checkbox"/> TSS	<input type="checkbox"/> Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>	Number of Containers						
BH-A	10/8/04	1045	W						X																									
BH-B	10/8/04	1135	W						X																									
BH-C	10/9/04	1130	W						X																									
<b>Project Info.</b>					<b>Sample Receipt</b>					1) Relinquished by:					2) Relinquished by:					3) Relinquished by:														
Project Name: <b>Vozel</b>					# of Containers:					Signature: <b>DJA</b> Time: <b>1355</b>					Signature: <b>Paul Goodfader</b> Time: <b>1645</b>					Signature: _____ Time: _____														
Project#: _____					Head Space:					Printed Name: <b>DAMIAN HELLER</b> Date: <b>10/9/04</b>					Printed Name: <b>Paul Goodfader</b> Date: <b>10/19/04</b>					Printed Name: _____ Date: _____														
PO#: _____					Temp: <b>400</b>					Company: <b>ASE</b>					Company: <b>STL</b>					Company: _____														
Credit Card#: _____					Conforms to record:					Company: _____					Company: _____					Company: _____														
T <input checked="" type="checkbox"/> 72h					A <input type="checkbox"/> 48h					T <input type="checkbox"/> 24h					Other: _____					1) Received by:					2) Received by:					3) Received by:				
Report: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EOD <input type="checkbox"/> State Tank Fund EOF					Special Instructions / Comments: <b>BH-A + BH-B VOAs ARE UNPRESERVED!</b>					Signature: <b>Paul Goodfader</b> Time: <b>1645</b>					Signature: <b>M. WILLIAMS</b> Time: <b>10/19/04</b>					Signature: _____ Time: _____														
Printed Name: <b>STL</b>					Date: <b>10/19/04</b>					Printed Name: <b>STL</b>					Date: <b>10/19/04</b>					Printed Name: _____ Date: _____														
Company: <b>STL</b>					Company: <b>STL</b>					Company: <b>STL</b>					Company: <b>STL</b>					Company: _____														

\*STL SF reports 8015M from C<sub>1</sub>-C<sub>2</sub> (industry norm). Default for 8015B is C<sub>1</sub>-C<sub>2</sub>

**Aqua Science Engineers, Inc.**

October 26, 2004

208 West El Pintado Road  
Danville, CA 94526

Attn.: Robert Kitay

Project: Kozel

Dear Mr. Kitay,

Attached is our report for your samples received on 10/19/2004 16:45

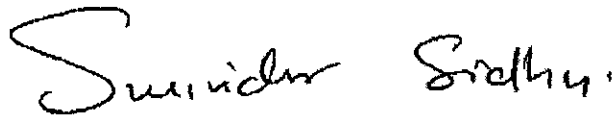
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/03/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: [ssidhu@stl-inc.com](mailto:ssidhu@stl-inc.com)

Sincerely,



Surinder Sidhu  
Project Manager

## Volatile Organic Compounds by 8260B (Low Level)

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

## Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
BH-A	10/18/2004 10:05	Water	1
BH-B	10/18/2004 11:35	Water	2
BH-C	10/19/2004 11:30	Water	3

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 13:02

## Volatile Organic Compounds by 8260B (Low Level)

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-A Lab ID: 2004-10-0605 -1  
Sampled: 10/18/2004 10:05 Extracted: 10/25/2004 21:41  
Matrix: Water QC Batch#: 2004/10/25-02.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/25/2004 21:41	
Acetone	ND	50	ug/L	1.00	10/25/2004 21:41	
Benzene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Bromobenzene	ND	1.0	ug/L	1.00	10/25/2004 21:41	
Bromochloromethane	ND	1.0	ug/L	1.00	10/25/2004 21:41	
Bromoform	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Bromomethane	ND	1.0	ug/L	1.00	10/25/2004 21:41	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/25/2004 21:41	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/25/2004 21:41	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/25/2004 21:41	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/25/2004 21:41	
Carbon disulfide	ND	5.0	ug/L	1.00	10/25/2004 21:41	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Chlorobenzene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Chloroethane	ND	1.0	ug/L	1.00	10/25/2004 21:41	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/25/2004 21:41	
Chloroform	ND	1.0	ug/L	1.00	10/25/2004 21:41	
Chloromethane	ND	1.0	ug/L	1.00	10/25/2004 21:41	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/25/2004 21:41	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/25/2004 21:41	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Dibromomethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-A	Lab ID:	2004-10-0605 - 1
Sampled:	10/18/2004 10:05	Extracted:	10/25/2004 21:41
Matrix:	Water	QC Batch#:	2004/10/25-02-70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Ethylbenzene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/25/2004 21:41	
2-Hexanone	ND	50	ug/L	1.00	10/25/2004 21:41	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/25/2004 21:41	
Methylene chloride	ND	5.0	ug/L	1.00	10/25/2004 21:41	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/25/2004 21:41	
Naphthalene	ND	1.0	ug/L	1.00	10/25/2004 21:41	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/25/2004 21:41	
Styrene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Toluene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/25/2004 21:41	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/25/2004 21:41	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Trichloroethene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/25/2004 21:41	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/25/2004 21:41	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/25/2004 21:41	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5030B	Test(s): 8260B
Sample ID: BH-A	Lab ID: 2004-10-0605 - 1
Sampled: 10/18/2004 10:05	Extracted: 10/25/2004 21:41
Matrix: Water	QC Batch#: 2004/10/25-02:70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Vinyl acetate	ND	25	ug/L	1.00	10/25/2004 21:41	
Vinyl chloride	ND	0.50	ug/L	1.00	10/25/2004 21:41	
Total xylenes	ND	1.0	ug/L	1.00	10/25/2004 21:41	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	91.1	79-118	%	1.00	10/25/2004 21:41	
1,2-Dichloroethane-d4	97.8	78-117	%	1.00	10/25/2004 21:41	
Toluene-d8	90.6	77-121	%	1.00	10/25/2004 21:41	



**Volatile Organic Compounds by 8260B (Low Level)**

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Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-B Lab ID: 2004-10-0605 -2  
Sampled: 10/18/2004 11:35 Extracted: 10/20/2004 23:07  
Matrix: Water QC Batch#: 2004/10/20-01.70  
Analysis Flag: Im ( See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	20	ug/L	4.00	10/20/2004 23:07	
Acetone	ND	200	ug/L	4.00	10/20/2004 23:07	
Benzene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Bromodichloromethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Bromobenzene	ND	4.0	ug/L	4.00	10/20/2004 23:07	
Bromochloromethane	ND	4.0	ug/L	4.00	10/20/2004 23:07	
Bromoform	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Bromomethane	ND	4.0	ug/L	4.00	10/20/2004 23:07	
2-Butanone(MEK)	ND	200	ug/L	4.00	10/20/2004 23:07	
n-Butylbenzene	9.0	4.0	ug/L	4.00	10/20/2004 23:07	
sec-Butylbenzene	ND	4.0	ug/L	4.00	10/20/2004 23:07	
tert-Butylbenzene	7.9	4.0	ug/L	4.00	10/20/2004 23:07	
Carbon disulfide	ND	20	ug/L	4.00	10/20/2004 23:07	
Carbon tetrachloride	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Chlorobenzene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Chloroethane	ND	4.0	ug/L	4.00	10/20/2004 23:07	
2-Chloroethylvinyl ether	ND	20	ug/L	4.00	10/20/2004 23:07	
Chloroform	ND	4.0	ug/L	4.00	10/20/2004 23:07	
Chloromethane	ND	4.0	ug/L	4.00	10/20/2004 23:07	
2-Chlorotoluene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
4-Chlorotoluene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Dibromochloromethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,4-Dichlorobenzene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,3-Dichloropropane	ND	4.0	ug/L	4.00	10/20/2004 23:07	
2,2-Dichloropropane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,1-Dichloropropene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,2-Dibromo-3-chloropropane	ND	4.0	ug/L	4.00	10/20/2004 23:07	
1,2-Dibromoethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-B Lab ID: 2004-10-0605 - 2  
Sampled: 10/18/2004 11:35 Extracted: 10/20/2004 23:07  
Matrix: Water QC Batch#: 2004/10/20-01.70  
Analysis Flag: Irm ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Dichlorodifluoromethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,1-Dichloroethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,1-Dichloroethene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
cis-1,2-Dichloroethene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
trans-1,2-Dichloroethene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,2-Dichloropropane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Ethylbenzene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Hexachlorobutadiene	ND	4.0	ug/L	4.00	10/20/2004 23:07	
2-Hexanone	ND	200	ug/L	4.00	10/20/2004 23:07	
Isopropylbenzene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
p-Isopropyltoluene	ND	4.0	ug/L	4.00	10/20/2004 23:07	
Methylene chloride	ND	20	ug/L	4.00	10/20/2004 23:07	
4-Methyl-2-pentanone (MIBK)	ND	200	ug/L	4.00	10/20/2004 23:07	
Naphthalene	ND	4.0	ug/L	4.00	10/20/2004 23:07	
n-Propylbenzene	ND	4.0	ug/L	4.00	10/20/2004 23:07	
Styrene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Tetrachloroethene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Toluene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,2,3-Trichlorobenzene	ND	4.0	ug/L	4.00	10/20/2004 23:07	
1,2,4-Trichlorobenzene	ND	4.0	ug/L	4.00	10/20/2004 23:07	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Trichloroethene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Trichlorofluoromethane	ND	4.0	ug/L	4.00	10/20/2004 23:07	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-B Lab ID: 2004-10-0605 - 2  
Sampled: 10/18/2004 11:35 Extracted: 10/20/2004 23:07  
Matrix: Water QC Batch#: 2004/10/20-01-70  
Analysis Flag: Irn ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorotrifluoroethane	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Vinyl acetate	ND	100	ug/L	4.00	10/20/2004 23:07	
Vinyl chloride	ND	2.0	ug/L	4.00	10/20/2004 23:07	
Total xylenes	ND	4.0	ug/L	4.00	10/20/2004 23:07	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	93.7	79-118	%	4.00	10/20/2004 23:07	
1,2-Dichloroethane-d4	102.7	78-117	%	4.00	10/20/2004 23:07	
Toluene-d8	83.1	77-121	%	4.00	10/20/2004 23:07	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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 208 West El Pintado Road  
 Danville, CA 94526  
 Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-C	Lab ID:	2004-10-0605-3
Sampled:	10/19/2004 11:30	Extracted:	10/25/2004 21:08
Matrix:	Water	QC Batch#:	2004/10/25-02/70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/25/2004 21:08	
Acetone	ND	50	ug/L	1.00	10/25/2004 21:08	
Benzene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Bromobenzene	ND	1.0	ug/L	1.00	10/25/2004 21:08	
Bromochloromethane	ND	1.0	ug/L	1.00	10/25/2004 21:08	
Bromoform	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Bromomethane	ND	1.0	ug/L	1.00	10/25/2004 21:08	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/25/2004 21:08	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/25/2004 21:08	
sec-Butylbenzene	2.2	1.0	ug/L	1.00	10/25/2004 21:08	
tert-Butylbenzene	3.1	1.0	ug/L	1.00	10/25/2004 21:08	
Carbon disulfide	ND	5.0	ug/L	1.00	10/25/2004 21:08	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Chlorobenzene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Chloroethane	ND	1.0	ug/L	1.00	10/25/2004 21:08	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/25/2004 21:08	
Chloroform	ND	1.0	ug/L	1.00	10/25/2004 21:08	
Chloromethane	ND	1.0	ug/L	1.00	10/25/2004 21:08	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/25/2004 21:08	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/25/2004 21:08	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Dibromomethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	

Severn Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-C Lab ID: 2004-10-0605 - 3  
Sampled: 10/19/2004 11:30 Extracted: 10/25/2004 21:08  
Matrix: Water QC Batch#: 2004/10/25-02.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
cis-1,2-Dichloroethene	4.7	0.50	ug/L	1.00	10/25/2004 21:08	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Ethylbenzene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/25/2004 21:08	
2-Hexanone	ND	50	ug/L	1.00	10/25/2004 21:08	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/25/2004 21:08	
Methylene chloride	ND	5.0	ug/L	1.00	10/25/2004 21:08	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/25/2004 21:08	
Naphthalene	ND	1.0	ug/L	1.00	10/25/2004 21:08	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/25/2004 21:08	
Styrene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Toluene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/25/2004 21:08	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/25/2004 21:08	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Trichloroethene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/25/2004 21:08	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/25/2004 21:08	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/25/2004 21:08	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 13:02

## Volatile Organic Compounds by 8260B (Low Level)

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-C Lab ID: 2004-10-0605 - 3  
Sampled: 10/19/2004 11:30 Extracted: 10/25/2004 21:08  
Matrix: Water QC Batch#: 2004/10/25-02.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/25/2004 21:08	
Vinyl acetate	ND	25	ug/L	1.00	10/25/2004 21:08	
Vinyl chloride	0.51	0.50	ug/L	1.00	10/25/2004 21:08	
Total xylenes	ND	1.0	ug/L	1.00	10/25/2004 21:08	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	87.5	79-118	%	1.00	10/25/2004 21:08	
1,2-Dichloroethane-d4	92.7	78-117	%	1.00	10/25/2004 21:08	
Toluene-d8	92.0	77-121	%	1.00	10/25/2004 21:08	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/26/2004 13:02

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/20-01.70-034

Water

Test(s): 8260B

QC Batch # 2004/10/20-01.70

Date Extracted: 10/20/2004 16:34

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	10/20/2004 16:34	
Acetone	ND	50	ug/L	10/20/2004 16:34	
Benzene	ND	0.5	ug/L	10/20/2004 16:34	
Bromodichloromethane	ND	0.5	ug/L	10/20/2004 16:34	
Bromobenzene	ND	1.0	ug/L	10/20/2004 16:34	
Bromochloromethane	ND	1.0	ug/L	10/20/2004 16:34	
Bromoform	ND	0.5	ug/L	10/20/2004 16:34	
Bromomethane	ND	1.0	ug/L	10/20/2004 16:34	
2-Butanone(MEK)	ND	50	ug/L	10/20/2004 16:34	
n-Butylbenzene	ND	1.0	ug/L	10/20/2004 16:34	
sec-Butylbenzene	ND	1.0	ug/L	10/20/2004 16:34	
tert-Butylbenzene	ND	1.0	ug/L	10/20/2004 16:34	
Carbon disulfide	ND	5.0	ug/L	10/20/2004 16:34	
Carbon tetrachloride	ND	0.5	ug/L	10/20/2004 16:34	
Chlorobenzene	ND	0.5	ug/L	10/20/2004 16:34	
Chloroethane	ND	1.0	ug/L	10/20/2004 16:34	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10/20/2004 16:34	
Chloroform	ND	1.0	ug/L	10/20/2004 16:34	
Chloromethane	ND	1.0	ug/L	10/20/2004 16:34	
2-Chlorotoluene	ND	0.5	ug/L	10/20/2004 16:34	
4-Chlorotoluene	ND	0.5	ug/L	10/20/2004 16:34	
Dibromochloromethane	ND	0.5	ug/L	10/20/2004 16:34	
1,2-Dichlorobenzene	ND	0.5	ug/L	10/20/2004 16:34	
1,3-Dichlorobenzene	ND	0.5	ug/L	10/20/2004 16:34	
1,4-Dichlorobenzene	ND	0.5	ug/L	10/20/2004 16:34	
1,3-Dichloropropane	ND	1.0	ug/L	10/20/2004 16:34	
2,2-Dichloropropane	ND	0.5	ug/L	10/20/2004 16:34	
1,1-Dichloropropene	ND	0.5	ug/L	10/20/2004 16:34	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	10/20/2004 16:34	
1,2-Dibromoethane	ND	0.5	ug/L	10/20/2004 16:34	
Dibromomethane	ND	0.5	ug/L	10/20/2004 16:34	

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10/26/2004 13:02

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/20-01.70-034

Water

Test(s): 8260B

QC Batch # 2004/10/20-01.70

Date Extracted: 10/20/2004 16:34

Compound	Conc.	RL	Unit	Analyzed	Flag
Dichlorodifluoromethane	ND	0.5	ug/L	10/20/2004 16:34	
1,1-Dichloroethane	ND	0.5	ug/L	10/20/2004 16:34	
1,2-Dichloroethane	ND	0.5	ug/L	10/20/2004 16:34	
1,1-Dichloroethene	ND	0.5	ug/L	10/20/2004 16:34	
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/20/2004 16:34	
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/20/2004 16:34	
1,2-Dichloropropane	ND	0.5	ug/L	10/20/2004 16:34	
cis-1,3-Dichloropropene	ND	0.5	ug/L	10/20/2004 16:34	
trans-1,3-Dichloropropene	ND	0.5	ug/L	10/20/2004 16:34	
Ethylbenzene	ND	0.5	ug/L	10/20/2004 16:34	
Hexachlorobutadiene	ND	1.0	ug/L	10/20/2004 16:34	
2-Hexanone	ND	50	ug/L	10/20/2004 16:34	
Isopropylbenzene	ND	0.5	ug/L	10/20/2004 16:34	
p-Isopropyltoluene	ND	1.0	ug/L	10/20/2004 16:34	
Methylene chloride	ND	5.0	ug/L	10/20/2004 16:34	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	10/20/2004 16:34	
Naphthalene	ND	1.0	ug/L	10/20/2004 16:34	
n-Propylbenzene	ND	1.0	ug/L	10/20/2004 16:34	
Styrene	ND	0.5	ug/L	10/20/2004 16:34	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	10/20/2004 16:34	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	10/20/2004 16:34	
Tetrachloroethene	ND	0.5	ug/L	10/20/2004 16:34	
Toluene	ND	0.5	ug/L	10/20/2004 16:34	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	10/20/2004 16:34	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	10/20/2004 16:34	
1,1,1-Trichloroethane	ND	0.5	ug/L	10/20/2004 16:34	
1,1,2-Trichloroethane	ND	0.5	ug/L	10/20/2004 16:34	
Trichloroethene	ND	0.5	ug/L	10/20/2004 16:34	
Trichlorofluoromethane	ND	1.0	ug/L	10/20/2004 16:34	
Trichlorotrifluoroethane	ND	0.5	ug/L	10/20/2004 16:34	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	10/20/2004 16:34	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	10/20/2004 16:34	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
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 Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/20-01.70-034

Water

Test(s): 8260B

QC Batch # 2004/10/20-01.70

Date Extracted: 10/20/2004 16:34

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl acetate	ND	25	ug/L	10/20/2004 16:34	
Vinyl chloride	ND	0.5	ug/L	10/20/2004 16:34	
Total xylenes	ND	1.0	ug/L	10/20/2004 16:34	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	92.3	79-118	%	10/20/2004 16:34	
1,2-Dichloroethane-d4	94.2	78-117	%	10/20/2004 16:34	
Toluene-d8	93.4	77-121	%	10/20/2004 16:34	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/25-02.70-001

Water

Test(s): 8260B

QC Batch # 2004/10/25-02.70

Date Extracted: 10/25/2004 16:01

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	10/25/2004 16:01	
Acetone	ND	50	ug/L	10/25/2004 16:01	
Benzene	ND	0.5	ug/L	10/25/2004 16:01	
Bromodichloromethane	ND	0.5	ug/L	10/25/2004 16:01	
Bromobenzene	ND	1.0	ug/L	10/25/2004 16:01	
Bromochloromethane	ND	1.0	ug/L	10/25/2004 16:01	
Bromoform	ND	0.5	ug/L	10/25/2004 16:01	
Bromomethane	ND	1.0	ug/L	10/25/2004 16:01	
2-Butanone(MEK)	ND	50	ug/L	10/25/2004 16:01	
n-Butylbenzene	ND	1.0	ug/L	10/25/2004 16:01	
sec-Butylbenzene	ND	1.0	ug/L	10/25/2004 16:01	
tert-Butylbenzene	ND	1.0	ug/L	10/25/2004 16:01	
Carbon disulfide	ND	5.0	ug/L	10/25/2004 16:01	
Carbon tetrachloride	ND	0.5	ug/L	10/25/2004 16:01	
Chlorobenzene	ND	0.5	ug/L	10/25/2004 16:01	
Chloroethane	ND	1.0	ug/L	10/25/2004 16:01	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10/25/2004 16:01	
Chloroform	ND	1.0	ug/L	10/25/2004 16:01	
Chloromethane	ND	1.0	ug/L	10/25/2004 16:01	
2-Chlorotoluene	ND	0.5	ug/L	10/25/2004 16:01	
4-Chlorotoluene	ND	0.5	ug/L	10/25/2004 16:01	
Dibromochloromethane	ND	0.5	ug/L	10/25/2004 16:01	
1,2-Dichlorobenzene	ND	0.5	ug/L	10/25/2004 16:01	
1,3-Dichlorobenzene	ND	0.5	ug/L	10/25/2004 16:01	
1,4-Dichlorobenzene	ND	0.5	ug/L	10/25/2004 16:01	
1,3-Dichloropropane	ND	1.0	ug/L	10/25/2004 16:01	
2,2-Dichloropropane	ND	0.5	ug/L	10/25/2004 16:01	
1,1-Dichloropropene	ND	0.5	ug/L	10/25/2004 16:01	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	10/25/2004 16:01	
1,2-Dibromoethane	ND	0.5	ug/L	10/25/2004 16:01	
Dibromomethane	ND	0.5	ug/L	10/25/2004 16:01	
Dichlorodifluoromethane	ND	0.5	ug/L	10/25/2004 16:01	

Severn Trent Laboratories, Inc.

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10/26/2004 13:02

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/25-02.70-001

Water

Test(s): 8260B

QC Batch # 2004/10/25-02.70

Date Extracted: 10/25/2004 16:01

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1-Dichloroethane	ND	0.5	ug/L	10/25/2004 16:01	
1,2-Dichloroethane	ND	0.5	ug/L	10/25/2004 16:01	
1,1-Dichloroethene	ND	0.5	ug/L	10/25/2004 16:01	
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/25/2004 16:01	
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/25/2004 16:01	
1,2-Dichloropropane	ND	0.5	ug/L	10/25/2004 16:01	
cis-1,3-Dichloropropene	ND	0.5	ug/L	10/25/2004 16:01	
trans-1,3-Dichloropropene	ND	0.5	ug/L	10/25/2004 16:01	
Ethylbenzene	ND	0.5	ug/L	10/25/2004 16:01	
Hexachlorobutadiene	ND	1.0	ug/L	10/25/2004 16:01	
2-Hexanone	ND	50	ug/L	10/25/2004 16:01	
Isopropylbenzene	ND	0.5	ug/L	10/25/2004 16:01	
p-Isopropyltoluene	ND	1.0	ug/L	10/25/2004 16:01	
Methylene chloride	ND	5.0	ug/L	10/25/2004 16:01	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	10/25/2004 16:01	
Naphthalene	ND	1.0	ug/L	10/25/2004 16:01	
n-Propylbenzene	ND	1.0	ug/L	10/25/2004 16:01	
Styrene	ND	0.5	ug/L	10/25/2004 16:01	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	10/25/2004 16:01	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	10/25/2004 16:01	
Tetrachloroethene	ND	0.5	ug/L	10/25/2004 16:01	
Toluene	ND	0.5	ug/L	10/25/2004 16:01	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	10/25/2004 16:01	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	10/25/2004 16:01	
1,1,1-Trichloroethane	ND	0.5	ug/L	10/25/2004 16:01	
1,1,2-Trichloroethane	ND	0.5	ug/L	10/25/2004 16:01	
Trichloroethene	ND	0.5	ug/L	10/25/2004 16:01	
Trichlorofluoromethane	ND	1.0	ug/L	10/25/2004 16:01	
Trichlorotrifluoroethane	ND	0.5	ug/L	10/25/2004 16:01	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	10/25/2004 16:01	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	10/25/2004 16:01	
Vinyl acetate	ND	25	ug/L	10/25/2004 16:01	

Sewern Trent Laboratories, Inc.

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10/26/2004 13:02

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/10/25-02.70

MB: 2004/10/25-02.70-001

Date Extracted: 10/25/2004 16:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	0.5	ug/L	10/25/2004 16:01	
Total xylenes	ND	1.0	ug/L	10/25/2004 16:01	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	87.9	79-118	%	10/25/2004 16:01	
1,2-Dichloroethane-d4	92.0	78-117	%	10/25/2004 16:01	
Toluene-d8	91.6	77-121	%	10/25/2004 16:01	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
 Danville, CA 94526  
 Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/10/20-01.70**

LCS 2004/10/20-01.70-029

Extracted: 10/20/2004

Analyzed: 10/20/2004 15:29

LCSD 2004/10/20-01.70-001

Extracted: 10/20/2004

Analyzed: 10/20/2004 16:01

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	19.2	19.6	20.0	96.0	98.0	2.1	69-129	20		
Chlorobenzene	19.7	19.9	20.0	98.5	99.5	1.0	61-121	20		
1,1-Dichloroethene	18.6	17.2	20.0	93.0	86.0	7.8	65-125	20		
Toluene	19.0	19.5	20.0	95.0	97.5	2.6	70-130	20		
Trichloroethene	19.3	19.7	20.0	96.5	98.5	2.1	74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	452	453	500	90.4	90.6		79-118			
1,2-Dichloroethane-d4	467	470	500	93.4	94.0		78-117			
Toluene-d8	478	483	500	95.6	96.6		77-121			

Severn Trent Laboratories, Inc.

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10/26/2004 13:02

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/10/25-02.70

LCS 2004/10/25-02.70-028

Extracted: 10/25/2004

Analyzed: 10/25/2004 15:28

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	18.9		20.0	94.5			69-129	20		
Chlorobenzene	20.6		20.0	103.0			61-121	20		
1,1-Dichloroethene	18.0		20.0	90.0			65-125	20		
Toluene	18.9		20.0	94.5			70-130	20		
Trichloroethene	19.1		20.0	95.5			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	445		500	89.0			79-118			
1,2-Dichloroethane-d4	455		500	91.0			78-117			
Toluene-d8	460		500	92.0			77-121			

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Page 18 of 21

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/10/20-01.70**

BH-B >> MS

Lab ID: 2004-10-0605 - 002

MS: 2004/10/20-01.70-040

Extracted: 10/20/2004

Analyzed: 10/20/2004 23:40

Dilution: 4.00

MSD: 2004/10/20-01.70-013

Extracted: 10/21/2004

Analyzed: 10/21/2004 00:13

Dilution: 4.00

Compound	Conc. ug/L		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	75.2	74.2	ND	80.0	94.0	92.8	1.3	69-129	20		
Chlorobenzene	74.2	74.7	ND	80.0	92.8	93.4	0.6	61-121	20		
1,1-Dichloroethene	74.4	69.6	ND	80.0	93.0	87.0	6.7	65-125	20		
Toluene	70.8	74.8	ND	80.0	88.5	93.5	5.5	70-130	20		
Trichloroethene	73.8	78.0	ND	80.0	92.3	97.5	5.5	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	517	493		500	103.4	98.5		79-118			
1,2-Dichloroethane-d4	506	481		500	101.2	98.1		78-117			
Toluene-d8	440	457		500	88.0	91.4		77-121			

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

**Batch QC Report**

Prép(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/10/25-02.70**

MS/MSD

Lab ID: 2004-10-0478 - 002

MS: 2004/10/25-02.70-019

Extracted: 10/25/2004

Analyzed: 10/25/2004 17:19

Dilution: 100.00

MSD: 2004/10/25-02.70-052

Extracted: 10/25/2004

Analyzed: 10/25/2004 17:52

Dilution: 100.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	1990	1940	ND	2000	99.5	97.0	2.5	69-129	20		
Chlorobenzene	2010	2050	ND	2000	100.5	102.5	2.0	61-121	20		
1,1-Dichloroethene	1840	1830	ND	2000	92.0	91.5	0.5	65-125	20		
Toluene	1960	1940	ND	2000	98.0	97.0	1.0	70-130	20		
Trichloroethene	2000	1990	57.5	2000	97.1	96.6	0.5	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	447	452		500	89.3	90.4		79-118			
1,2-Dichloroethane-d4	452	456		500	90.5	91.2		78-117			
Toluene-d8	462	455		500	92.4	90.9		77-121			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 13:02



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/19/2004 16:45

---

**Legend and Notes**

---

**Analysis Flag**

Im

Reporting limits raised due to high level of non-target analyte materials.

**Aqua Science Engineers, Inc.**

October 28, 2004

208 West El Pintado Road  
Danville, CA 94526

Attn.: Robert Kitay

Project: Kozel

Dear Mr. Kitay,

Attached is our report for your samples received on 10/20/2004 16:35

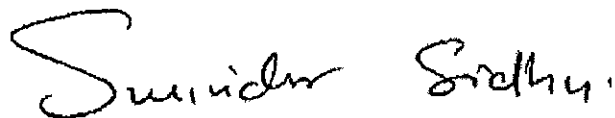
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/04/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: [ssidhu@stl-inc.com](mailto:ssidhu@stl-inc.com)

Sincerely,



Surinder Sidhu  
Project Manager

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-F 19.5'	10/19/2004 13:40	Soil	4
BH-H 7.5'	10/20/2004 09:12	Soil	16
BH-I 1'	10/20/2004 10:20	Soil	18
BH-J 11.5'	10/20/2004 11:04	Soil	21

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 16:35

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-F 19.5	Lab ID:	2004-10-0678 - 4
Sampled:	10/19/2004 13:40	Extracted:	10/22/2004 06:07
Matrix:	Soil	QC Batch#:	2004/10/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	ND	1.0	mg/Kg	1.00	10/22/2004 15:32	
<i>Surrogate(s)</i>						
o-Terphenyl	87.3	60-130	%	1.00	10/22/2004 15:32	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-H 7.5'	Lab ID:	2004-10-0678-16
Sampled:	10/20/2004 09:12	Extracted:	10/28/2004 08:38
Matrix:	Soil	QC Batch#:	2004/10/28-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	14	1.0	mg/Kg	1.00	10/29/2004 11:58	
<i>Surrogate(s)</i> o-Terphenyl	79.1	60-130	%	1.00	10/29/2004 11:58	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-1.1	Lab ID:	2004-10-0678-18
Sampled:	10/20/2004 10:20	Extracted:	10/28/2004 08:38
Matrix:	Soil	QC Batch#:	2004/10/28-01:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits <i>Surrogate(s)</i>	6.6	1.0	mg/Kg	1.00	10/29/2004 12:26	
o-Terphenyl	62.9	60-130	%	1.00	10/29/2004 12:26	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 3550/8015M      Test(s): 8015M  
 Sample ID: BH-J 11.5      Lab ID: 2004-10-0678-21  
 Sampled: 10/20/2004 11:04      Extracted: 10/28/2004 08:38  
 Matrix: Soil      QC Batch#: 2004/10/28-01-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	2.3	1.0	mg/Kg	1.00	10/28/2004 19:31	
<i>Surrogate(s)</i> o-Terphenyl	87.8	60-130	%	1.00	10/28/2004 19:31	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2004/10/22-01.10

MB: 2004/10/22-01.10-001

Date Extracted: 10/22/2004 06:07

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/22/2004 22:27	
Mineral spirits	ND	1	mg/Kg	10/22/2004 22:27	
<b>Surrogates(s)</b> o-Terphenyl	74.2	60-130	%	10/22/2004 22:27	



**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2004/10/28-01.10

MB: 2004/10/28-01.10-001

Date Extracted: 10/28/2004 08:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/28/2004 19:04	
Mineral spirits	ND	1	mg/Kg	10/28/2004 19:04	
<b>Surrogates(s)</b> o-Terphenyl	86.2	60-130	%	10/28/2004 19:04	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 16:35

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2004/10/22-01.10

LCS 2004/10/22-01.10-002

Extracted: 10/22/2004

Analyzed: 10/22/2004 13:55

LCSD 2004/10/22-01.10-003

Extracted: 10/22/2004

Analyzed: 10/22/2004 15:01

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	30.0	28.1	41.7	71.9	67.5	6.3	60-130	25		
Surrogates(s) o-Terphenyl	17.6	17.6	20.0	88.2	87.9		60-130	0		

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 16:35

Page 8 of 9

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2004/10/28-01.10

LCS 2004/10/28-01.10-002

Extracted: 10/28/2004

Analyzed: 10/28/2004 18:13

LCSD 2004/10/28-01.10-003

Extracted: 10/28/2004

Analyzed: 10/28/2004 19:40

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	32.0	36.2	41.7	76.7	87.0	12.6	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	19.8	20.0	20.0	99.1	100.0		60-130	0		

**Total Extractable Petroleum Hydrocarbons (TEPH)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-G 19.5'	10/19/2004 16:35	Soil	13

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 16:35

Page 1 of 4

**Total Extractable Petroleum Hydrocarbons (TEPH)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>BH-G 19.5'</b>	Lab ID: 2004-10-0678-13
Sampled: 10/19/2004 16:35	Extracted: 10/23/2004 13:32
Matrix: Soil	QC Batch#: 2004/10/23-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits <i>Surrogate(s)</i>	ND	10	mg/Kg	1.00	10/25/2004 16:27	
o-Terphenyl	88.3	60-130	%	1.00	10/25/2004 16:27	

**Total Extractable Petroleum Hydrocarbons (TEPH)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
 Danville, CA 94526  
 Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch #: 2004/10/23-03.10

MB: 2004/10/23-03.10-001

Date Extracted: 10/23/2004 13:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/25/2004 10:54	
Mineral spirits	ND	10	mg/Kg	10/25/2004 10:54	
<b>Surrogates(s)</b>					
o-Terphenyl	88.7	60-130	%	10/25/2004 10:54	

**Total Extractable Petroleum Hydrocarbons (TEPH)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/10/23-03-10**

LCS 2004/10/23-03-10-002

Extracted: 10/23/2004

Analyzed: 10/25/2004 11:22

LCSD 2004/10/23-03-10-003

Extracted: 10/23/2004

Analyzed: 10/25/2004 11:49

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Diesel	35.8	34.9	41.5	86.3	83.9	2.8	60-130	25			
<b>Surrogates(s)</b> o-Terphenyl	18.7	18.2	20.0	93.4	91.2		60-130	0			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 16:35

2004-10-0678

SEVERN  
TRENT

STL

MANAGER  
SALES

STL San Francisco Chain of Custody  
1220 Quarry Lane • Pleasanton CA 94566-4756  
Phone: (925) 484-1919 • Fax: (925) 484-1096  
Email: [stlogin@sti-inc.com](mailto:stlogin@sti-inc.com)

Reference #: 94914

Date 10/20/04 Page 1 of 3

Report To					Analysis Request																			
Attn: <b>ROB K. TRAY</b>																								
Company: <b>ADIR SCIENCE ENGINEERS</b>																								
Address: <b>255 W. EL RINADO</b>																								
Phone: _____ Email: _____																								
Bill To: _____ Sampled By: <b>PH</b>																								
Attn: _____ Phone: _____																								
					<input type="checkbox"/> TPH EPA - <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8268 <input type="checkbox"/> Gas W <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> Pungible Aromatics <input type="checkbox"/> BTEX EPA - <input type="checkbox"/> 6021 <input type="checkbox"/> 8268 <input type="checkbox"/> TSP EPA 00184* <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other <input type="checkbox"/> Fuel Tests EPA 8268: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Free Drypoint <input type="checkbox"/> DCCA <input type="checkbox"/> EOB <input type="checkbox"/> Eboard <input type="checkbox"/> Paraffinic Hydrocarbons <input type="checkbox"/> (HVOCs) EPA 8271 by 82038 <input type="checkbox"/> Volatile Organics (VOCs) (VOCs) <input checked="" type="checkbox"/> EPA 8260B <input type="checkbox"/> 674 <input type="checkbox"/> Semi-volatiles (SVOCs) <input type="checkbox"/> EPA 8271 <input type="checkbox"/> 825 <input type="checkbox"/> Oil and Grease <input type="checkbox"/> Petroleum <input type="checkbox"/> (EPA 1651) <input type="checkbox"/> Total <input type="checkbox"/> Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 <input type="checkbox"/> PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 808 <input type="checkbox"/> DNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310 <input type="checkbox"/> CAN17 Metals <input type="checkbox"/> (EPA 8010/7470/7471) <input type="checkbox"/> Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other <input type="checkbox"/> Low Level Metals by EPA 200.9002R <input type="checkbox"/> (ICP-MS) <input type="checkbox"/> WET (STLC) <input type="checkbox"/> TCLP <input type="checkbox"/> Hexavalent Chromium <input type="checkbox"/> pH (24h hold time for H <sub>2</sub> O) <input type="checkbox"/> Spec Cond <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> TDS <input type="checkbox"/> <input type="checkbox"/> Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>																			
Sample ID	Date	Time	Mat rix	Pres erv.																Number of Containers				
BH-F	3.5'	10/14/04	1300	S																1				
	7.5'		1303																	1				
	11.5'		1310																	1				
	14.5'		1340																	1				
	23.5'		1425																	1				
	27.5'		1439																	1				
	31.0'		1507																	1				
BH-G	3.5'		1609																	1				
	7.5'		1607																	1				
	11.5'		1607																	1				
Project Info.					Sample Receipt					1) Relinquished by:					2) Relinquished by:					3) Relinquished by:				
Project Name: <b>KOZOL</b>					# of Containers:					Signature: <b>[Signature]</b> Time: <b>1352</b>					Signature: <b>[Signature]</b> Time: <b>1635</b>					Signature: _____ Time: _____				
Project#:					Head Space:					Printed Name: <b>DAMIAN ARICOLA</b> Date: <b>10/20/04</b>					Printed Name: <b>Paul Goodfader</b> Date: <b>10/20/04</b>					Printed Name: _____ Date: _____				
PO#:					Temp: <b>20°</b>					Company: <b>ASE</b>					Company: <b>STL</b>					Company: _____				
Credit Card#:					Confirms to record:					Company: _____					Company: _____					Company: _____				
T A T					72h 48h 24h Other:					Signature: <b>[Signature]</b> Time: <b>1352</b>					Signature: <b>[Signature]</b> Time: <b>1635</b>					Signature: _____ Time: _____				
Report: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Fund EOF					Special Instructions / Comments:					Printed Name: <b>Paul Goodfader</b> Date: <b>10/20/04</b>					Printed Name: <b>T. Bullock</b> Date: <b>10/20/04</b>					Printed Name: _____ Date: _____				
										Company: <b>STL</b>					Company: <b>STL-SF</b>					Company: _____				

\*STL SF reports 8015M from C<sub>2</sub>-C<sub>24</sub> (industry norm). Default for 8015B is C<sub>20</sub>-C<sub>25</sub>



2004-10-0678

SEVERN  
TRENT  
STL

STL San Francisco Chain of Custody  
1220 Quarry Lane • Pleasanton CA 94566-4756  
Phone: (925) 484-1919 • Fax: (925) 484-1096  
Email: sflogin@stl-inc.com

Reference #: 94914

Date 10/20/04 Page 2 of 3

Report To					Analysis Request														
Attn: <b>Rob KITAY</b>																			
Company: <b>AQUA SCIENCE LABORATORIES</b>																			
Address: <b>208 W 42 AVENUE</b>																			
Phone: _____ Email: _____																			
Bill To: _____																			
Sampled By: <b>OH</b>																			
Attn: _____ Phone: _____																			
Sample ID	Date	Time	Lat	Pres															
BH-G	13'	1625		S															
	155'	1618																	
	195'	1635																	
	235'	1650																	
BH-H	3.5'	0906																	
	75'	0912																	
	115'	0912																	
BH-I	1'	1020																	
BH-J	1'	1017																	
	7.5'	1057																	
Project Info.				Sample Receipt				1) Relinquished by:				2) Relinquished by:				3) Relinquished by:			
Project Name: <b>K0262</b>				# of Containers: _____				Signature: <b>[Signature]</b> Time: <b>1352</b>				Signature: <b>[Signature]</b> Time: <b>1635</b>				Signature: _____ Time: _____			
Project#: _____				Head Space: _____				Printed Name: <b>DARWIN PICKER</b> Date: <b>10/20/04</b>				Printed Name: <b>Paul Goodender</b> Date: <b>10/20/04</b>				Printed Name: _____ Date: _____			
PO#: _____				Temp: <b>20</b>				Company: <b>ASE</b>				Company: <b>STL</b>				Company: _____			
Credit Card#: _____				Conforms to record: _____				Company: _____				Company: _____				Company: _____			
T	A	T		72h	48h	24h	Other:	1) Received by:				2) Received by:				3) Received by:			
								Signature: <b>[Signature]</b> Time: <b>1352</b>				Signature: <b>[Signature]</b> Time: <b>1635</b>				Signature: _____ Time: _____			
Report: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> ECD <input type="checkbox"/> State Tank Fund EDF <input type="checkbox"/> Global ID: _____								Printed Name: <b>Paul Goodender</b> Date: <b>10/20/04</b>				Printed Name: <b>T. Bullock</b> Date: <b>10/20/04</b>				Printed Name: _____ Date: _____			
Special Instructions / Comments: _____								Company: <b>STL</b>				Company: <b>STL-SF</b>				Company: _____			

\*STL SF reports 8015M from C<sub>2</sub>-C<sub>4</sub> (industry norm). Default for 8015M is C<sub>2</sub>-C<sub>3</sub>

2004-10-0678

SEVERN  
TRENT  
**STL**

11/10/04  
SERVANTS

**STL San Francisco Chain of Custody**  
1220 Quarry Lane • Pleasanton CA 94566-4756  
Phone: (925) 484-1919 • Fax: (925) 484-1096  
Email: [sflog@stl-inc.com](mailto:sflog@stl-inc.com)

Reference #: 94914  
Date 10/20/04 Page 3 of 3

Report To					Analysis Request															Number of Containers
Attn: <u>ROB KITAY</u> Company: <u>ADVA SCIENCE ENGINEERS</u> Address: <u>208 W 1st Pkwy</u> Phone: <u>925-876-9391</u> Email: Bill To: Attn: Phone:					<input type="checkbox"/> TPH EPA - <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260B <input type="checkbox"/> GSS w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE Volatile Aromatics: <input type="checkbox"/> BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 8260B <input checked="" type="checkbox"/> TECH EPA 8015M <input checked="" type="checkbox"/> Search Fuel <input checked="" type="checkbox"/> Diesel <input checked="" type="checkbox"/> Motor Oil <input checked="" type="checkbox"/> Other Fuel Tests EPA 8260B: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Pro Dyehead <input type="checkbox"/> TCA, EDS <input type="checkbox"/> Emaxet Halogenated Hydrocarbons (VOCs) EPA 8261 by: 8260B Volatile Organics GC/MS (VOCs) <input checked="" type="checkbox"/> EPA 8260B <input type="checkbox"/> 624 Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 825 Oil and Grease <input type="checkbox"/> Petroleum (EPA 1654) <input type="checkbox"/> Total Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608 PNAS by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310 CM17 Metals (EPA 6010/7470/7171) Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other: Low Level Metals by EPA 800 86025 (ICP-MS): <input type="checkbox"/> WET (SILC) <input type="checkbox"/> TOLP <input type="checkbox"/> Hexavalent Chromium <input type="checkbox"/> pH (24h hold time for H <sub>2</sub> O) <input type="checkbox"/> Spec Cond. <input type="checkbox"/> Amalinity <input type="checkbox"/> TSS <input type="checkbox"/> TDS <input type="checkbox"/> Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>															
Sample ID	Date	Time	Total Risk	Pres Srv.																
BH-J	11.5'	10/14/04	1101	S																1
BH-J	15.5'	10/15/04	1115																	1
BH-J	19.5'	10/14/04																		1

Project Info.		Sample Receipt		1) Relinquished by:		2) Relinquished by:		3) Relinquished by:		
Project Name: <u>Kaiser</u>	# of Containers:	Head Space:	Temp. <u>22C</u>	Signature: <u>DAMIAN HRAKIC</u>	Time: <u>1352</u>	Signature: <u>Paul Goodfader</u>	Time: <u>1635</u>	Signature:	Time:	
Project#:	Temp.	Company: <u>ASE</u>	Company:	Printed Name: <u>DAMIAN HRAKIC</u>	Date: <u>10/20/04</u>	Printed Name: <u>Paul Goodfader</u>	Date: <u>10/20/04</u>	Printed Name:	Date:	
PO#:	Conforms to record:	Company:	Company:	Company:	Company:	Company:	Company:	Company:	Company:	
TA T	<input checked="" type="checkbox"/> 72h	<input type="checkbox"/> 48h	<input type="checkbox"/> 24h	<input type="checkbox"/> Other	1) Received by:		2) Received by:		3) Received by:	
Report: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Fund EDF	Special Instructions / Comments:	Signature: <u>Paul Goodfader</u>	Time: <u>1352</u>	Signature: <u>Paul Goodfader</u>	Time: <u>16:35</u>	Signature: <u>T. BULLOCK</u>	Time: <u>10/20/04</u>	Signature:	Time:	
State Tank Fund EDF	Geozel ID:	Printed Name: <u>Paul Goodfader</u>	Date: <u>10/20/04</u>	Printed Name: <u>T. BULLOCK</u>	Date: <u>10/20/04</u>	Printed Name:	Date:	Printed Name:	Date:	
Company: <u>STL</u>	Company:	Company: <u>STL-SF</u>	Company:	Company:	Company:	Company:	Company:	Company:	Company:	

\*STL SF reports 8015M from C<sub>1</sub>-C<sub>24</sub> (Industry norm). Default for 8015B is C<sub>10</sub>-C<sub>21</sub>



2004-10-0678

SEVERN  
TRENT

STL

MINOR  
SPACES

STL San Francisco Chain of Custody  
1220 Quarry Lane • Pleasanton CA 94566-4756  
Phone: (925) 484-1919 • Fax: (925) 484-1096  
Email: sflocin@stl-inc.com

Reference #: 94914

Date: 10/20/04 Page 2 of 3

Report To						Analysis Request																							
Attn: <u>Rob Kaitay</u>						<input type="checkbox"/> TPH EPA <input type="checkbox"/> 8016 EPA <input type="checkbox"/> 8098 <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTX <input type="checkbox"/> MTBE <input type="checkbox"/> Pungent/Aromatics <input type="checkbox"/> BTX EPA <input type="checkbox"/> 8021 <input type="checkbox"/> 8208																							
Company: <u>ADVA SCIENCE ENGINEERS</u>						<input checked="" type="checkbox"/> TERP EPA 8016M* <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel (I) Motor Oil <input type="checkbox"/> Other																							
Address: <u>208 W 02 PUNTA</u>						<input type="checkbox"/> Fuel Train EPA 8208B <input type="checkbox"/> Gas <input type="checkbox"/> BTX <input type="checkbox"/> Fire Extinguish <input type="checkbox"/> DCU, EOB <input type="checkbox"/> Behind																							
Phone: _____ Email: _____						<input type="checkbox"/> Pumpable: Halocarbons (HVOCS) EPA 8071 by 826UB																							
Bill To: _____			Sampled By: <u>DK</u>			<input checked="" type="checkbox"/> Volatile Organics GC/MS (VOCs) EPA 8208 <input type="checkbox"/> 824																							
Attn: _____			Phone: _____			<input type="checkbox"/> Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 825																							
Sample ID						Date						Time						Mat rnk					Pres erv.					Number of Containers	
BH-G						13'						10/19/04						1625						S					1
						155'						1618											1						
						195'						1635						X					1						
						235'						1650						X					1						
BH-H						35'						10/20/04						0906											1
						75'						0902						X					1						
						115'						0902						X					1						
BH-I						1'						1020						X					1						
BH-J						1'						1057						X					1						
						75'						1057						V					1						
Project Info.						Sample Receipt						1) Relinquished by:						2) Relinquished by:						3) Relinquished by:					
Project Name: <u>K0202</u>						# of Containers:						Signature: <u>[Signature]</u> Time: <u>1852</u>						Signature: <u>[Signature]</u> Time: <u>1635</u>						Signature: _____ Time: _____					
Project#:						Head Space:						Printed Name: <u>DAMIAN WICKER</u> Date: <u>10/20/04</u>						Printed Name: <u>Paul Goodfeeder</u> Date: <u>10/20/04</u>						Printed Name: _____ Date: _____					
PO#:						Temp: <u>22</u>						Company: <u>ASE</u>						Company: <u>STL</u>						Company: _____					
Credit Card#:						Conforms to record:						Company:						Company:						Company:					
T A T						<input checked="" type="checkbox"/> 72h <input type="checkbox"/> 48h <input type="checkbox"/> 24h <input type="checkbox"/> Other:						1) Received by:						2) Received by:						3) Received by:					
Report: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Filled BOP						Special Instructions / Comments:						Signature: <u>[Signature]</u> Time: <u>1352</u>						Signature: <u>[Signature]</u> Time: <u>1635</u>						Signature: _____ Time: _____					
						<u>per Damien on 10/21/04</u>						Printed Name: <u>Paul Goodfeeder</u> Date: <u>10/20/04</u>						Printed Name: <u>T. Bulluck</u> Date: <u>10/20/04</u>						Printed Name: _____ Date: _____					
												Company: <u>STL</u>						Company: <u>STL-SF</u>						Company: _____					
												Company:						Company:						Company:					
*STL SF reports 8015M from C <sub>1</sub> -C <sub>8</sub> (industry norm). Default for 80156 is C <sub>1</sub> -C <sub>20</sub>																													



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-F 19.5'	10/19/2004 13:40	Soil	4
BH-G 19.5'	10/19/2004 16:35	Soil	13
BH-H 7.5'	10/20/2004 09:12	Soil	16
BH-I 1'	10/20/2004 10:20	Soil	18
BH-J 11.5'	10/20/2004 11:04	Soil	21

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-F 19.5 Lab ID: 2004-10-0678 - 4  
Sampled: 10/19/2004 13:40 Extracted: 10/25/2004 12:54  
Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Acetone	ND	50	ug/Kg	1.00	10/25/2004 12:54	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 12:54	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 12:54	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 12:54	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 12:54	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 12:54	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 12:54	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 12:54	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 12:54	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 12:54	

Sewern Trent Laboratories, Inc.

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10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

 208 West El Pintado Road  
 Danville, CA 94526  
 Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-F 19.5	Lab ID:	2004-10-0678 - 4
Sampled:	10/19/2004 13:40	Extracted:	10/25/2004 12:54
Matrix:	Soil	QC Batch#:	2004/10/25-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
2-Hexanone	ND	50	ug/Kg	1.00	10/25/2004 12:54	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 12:54	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/25/2004 12:54	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 12:54	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 14:25



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-F 19.5 Lab ID: 2004-10-0678 - 4  
Sampled: 10/19/2004 13:40 Extracted: 10/25/2004 12:54  
Matrix: Soil QC Batch#: 2004/10/25-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 12:54	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 12:54	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	93.0	74-121	%	1.00	10/25/2004 12:54	
1,2-Dichloroethane-d4	96.4	70-121	%	1.00	10/25/2004 12:54	
Toluene-d8	103.3	81-117	%	1.00	10/25/2004 12:54	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-G 19.5	Lab ID:	2004-10-0678 - 13
Sampled:	10/19/2004 16:35	Extracted:	10/25/2004 17:06
Matrix:	Soil	QC Batch#:	2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Acetone	ND	50	ug/Kg	1.00	10/25/2004 17:06	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 17:06	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 17:06	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 17:06	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 17:06	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 17:06	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 17:06	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 17:06	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 17:06	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 17:06	

Sewern Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-G 19.5	Lab ID:	2004-10-0678 - 13
Sampled:	10/19/2004 16:35	Extracted:	10/25/2004 17:06
Matrix:	Soil	QC Batch#:	2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
2-Hexanone	ND	50	ug/Kg	1.00	10/25/2004 17:06	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 17:06	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/25/2004 17:06	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 17:06	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	

Severn Trent Laboratories, Inc.

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10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-G 19.5	Lab ID:	2004-10-0678 - 13
Sampled:	10/19/2004 16:35	Extracted:	10/25/2004 17:06
Matrix:	Soil	QC Batch#:	2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 17:06	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 17:06	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	98.2	74-121	%	1.00	10/25/2004 17:06	
1,2-Dichloroethane-d4	101.7	70-121	%	1.00	10/25/2004 17:06	
Toluene-d8	99.5	81-117	%	1.00	10/25/2004 17:06	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-H 7.5 Lab ID: 2004-10-0678 - 16  
Sampled: 10/20/2004 09:12 Extracted: 10/25/2004 17:40  
Matrix: Soil QC Batch#: 2004/10/25-01:71  
Analysis Flag: is ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Acetone	ND	50	ug/Kg	1.00	10/25/2004 17:40	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 17:40	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 17:40	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 17:40	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 17:40	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 17:40	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 17:40	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 17:40	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 17:40	

Sewern Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-H 7.5 Lab ID: 2004-10-0678 - 16  
Sampled: 10/20/2004 09:12 Extracted: 10/25/2004 17:40  
Matrix: Soil QC Batch#: 2004/10/25-01.71  
Analysis Flag: is ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 17:40	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
2-Hexanone	ND	50	ug/Kg	1.00	10/25/2004 17:40	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 17:40	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/25/2004 17:40	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 17:40	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-H 7.5 Lab ID: 2004-10-0678-16  
 Sampled: 10/20/2004 09:12 Extracted: 10/25/2004 17:40  
 Matrix: Soil QC Batch#: 2004/10/25-0171  
 Analysis Flag: is ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 17:40	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 17:40	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	104.7	74-121	%	1.00	10/25/2004 17:40	
1,2-Dichloroethane-d4	106.8	70-121	%	1.00	10/25/2004 17:40	
Toluene-d8	100.7	81-117	%	1.00	10/25/2004 17:40	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

 208 West El Pintado Road  
 Danville, CA 94526  
 Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-1	Lab ID:	2004-10-0678-18
Sampled:	10/20/2004 10:20	Extracted:	10/25/2004 18:13
Matrix:	Soil	QC Batch#:	2004/10/25-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Acetone	ND	50	ug/Kg	1.00	10/25/2004 18:13	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 18:13	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 18:13	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 18:13	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
sec-Butylbenzene	40	5.0	ug/Kg	1.00	10/25/2004 18:13	
tert-Butylbenzene	15	5.0	ug/Kg	1.00	10/25/2004 18:13	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 18:13	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 18:13	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 18:13	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 18:13	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 18:13	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 18:13	

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10/26/2004 14:25



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5035	Test(s): 8260B
Sample ID: BH-J 1	Lab ID: 2004-10-0678 - 18
Sampled: 10/20/2004 10:20	Extracted: 10/25/2004 18:13
Matrix: Soil	QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
2-Hexanone	ND	50	ug/Kg	1.00	10/25/2004 18:13	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 18:13	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/25/2004 18:13	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 18:13	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	

Sewern Trent Laboratories, Inc.

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10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5035	Test(s): 8260B
Sample ID: BH-I.1	Lab ID: 2004-10-0678 - 18
Sampled: 10/20/2004 10:20	Extracted: 10/25/2004 18:13
Matrix: Soil	QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 18:13	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 18:13	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	102.0	74-121	%	1.00	10/25/2004 18:13	
1,2-Dichloroethane-d4	111.7	70-121	%	1.00	10/25/2004 18:13	
Toluene-d8	100.8	81-117	%	1.00	10/25/2004 18:13	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-J 11.5 Lab ID: 2004-10-0678 - 21  
 Sampled: 10/20/2004 11:04 Extracted: 10/25/2004 18:47  
 Matrix: Soil QC Batch#: 2004/10/25-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Acetone	ND	50	ug/Kg	1.00	10/25/2004 18:47	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 18:47	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 18:47	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 18:47	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 18:47	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 18:47	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 18:47	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 18:47	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 18:47	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 18:47	

Sewern Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-J 11.5 Lab ID: 2004-10-0678-21  
Sampled: 10/20/2004 11:04 Extracted: 10/25/2004 18:47  
Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
2-Hexanone	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 18:47	
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 18:47	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	

Severn Trent Laboratories, Inc.

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10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-J 11.5'	Lab ID:	2004-10-0678 - 21
Sampled:	10/20/2004 11:04	Extracted:	10/25/2004 18:47
Matrix:	Soil	QC Batch#:	2004/10/25-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 18:47	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 18:47	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	97.0	74-121	%	1.00	10/25/2004 18:47	
1,2-Dichloroethane-d4	102.1	70-121	%	1.00	10/25/2004 18:47	
Toluene-d8	104.1	81-117	%	1.00	10/25/2004 18:47	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853  
Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 5035  
Method Blank  
MB: 2004/10/25-01.71-059

Soil

Test(s): 8260B  
QC Batch # 2004/10/25-01.71  
Date Extracted: 10/25/2004 08:59

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	10/25/2004 08:59	
Acetone	ND	50	ug/Kg	10/25/2004 08:59	
Benzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Bromodichloromethane	ND	5.0	ug/Kg	10/25/2004 08:59	
Bromobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Bromochloromethane	ND	20	ug/Kg	10/25/2004 08:59	
Bromoform	ND	5.0	ug/Kg	10/25/2004 08:59	
Bromomethane	ND	10	ug/Kg	10/25/2004 08:59	
2-Butanone(MEK)	ND	50	ug/Kg	10/25/2004 08:59	
n-Butylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
sec-Butylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
tert-Butylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Carbon disulfide	ND	5.0	ug/Kg	10/25/2004 08:59	
Carbon tetrachloride	ND	5.0	ug/Kg	10/25/2004 08:59	
Chlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Chloroethane	ND	10	ug/Kg	10/25/2004 08:59	
Chloroform	ND	5.0	ug/Kg	10/25/2004 08:59	
Chloromethane	ND	10	ug/Kg	10/25/2004 08:59	
2-Chlorotoluene	ND	5.0	ug/Kg	10/25/2004 08:59	
4-Chlorotoluene	ND	5.0	ug/Kg	10/25/2004 08:59	
Dibromochloromethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,3-Dichloropropane	ND	5.0	ug/Kg	10/25/2004 08:59	
2,2-Dichloropropane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1-Dichloropropene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	10/25/2004 08:59	
1,2-Dibromoethane	ND	10	ug/Kg	10/25/2004 08:59	
Dibromomethane	ND	10	ug/Kg	10/25/2004 08:59	
Dichlorodifluoromethane	ND	10	ug/Kg	10/25/2004 08:59	

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10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/25-01.71-059

Soil

Test(s): 8260B

QC Batch # 2004/10/25-01.71

Date Extracted: 10/25/2004 08:59

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2-Dichloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1-Dichloroethene	ND	5.0	ug/Kg	10/25/2004 08:59	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	10/25/2004 08:59	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2-Dichloropropane	ND	5.0	ug/Kg	10/25/2004 08:59	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	10/25/2004 08:59	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	10/25/2004 08:59	
Ethylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Hexachlorobutadiene	ND	5.0	ug/Kg	10/25/2004 08:59	
2-Hexanone	ND	50	ug/Kg	10/25/2004 08:59	
Isopropylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
p-Isopropyltoluene	ND	5.0	ug/Kg	10/25/2004 08:59	
Methylene chloride	ND	10	ug/Kg	10/25/2004 08:59	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	10/25/2004 08:59	
Naphthalene	ND	10	ug/Kg	10/25/2004 08:59	
n-Propylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Styrene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
Tetrachloroethene	ND	5.0	ug/Kg	10/25/2004 08:59	
Toluene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
Trichloroethene	ND	5.0	ug/Kg	10/25/2004 08:59	
Trichlorofluoromethane	ND	5.0	ug/Kg	10/25/2004 08:59	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Vinyl acetate	ND	50	ug/Kg	10/25/2004 08:59	

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10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 5035  
Method Blank  
MB: 2004/10/25-01.71-059

Soil

Test(s): 8260B  
QC Batch # 2004/10/25-01.71  
Date Extracted: 10/25/2004 08:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	5.0	ug/Kg	10/25/2004 08:59	
Total xylenes	ND	5.0	ug/Kg	10/25/2004 08:59	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	94.2	74-121	%	10/25/2004 08:59	
1,2-Dichloroethane-d4	94.0	70-121	%	10/25/2004 08:59	
Toluene-d8	102.7	81-117	%	10/25/2004 08:59	



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/10/25-01.71**

LCS 2004/10/25-01.71-026

Extracted: 10/25/2004

Analyzed: 10/25/2004 08:26

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	104		100.0	104.0			69-129	20		
Chlorobenzene	114		100.0	114.0			61-121	20		
1,1-Dichloroethene	108		100.0	108.0			65-125	20		
Toluene	112		100.0	112.0			70-130	20		
Trichloroethene	108		100.0	108.0			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	486		500	97.2			74-121			
1,2-Dichloroethane-d4	475		500	95.0			70-121			
Toluene-d8	508		500	101.6			81-117			

Severn Trent Laboratories, Inc.

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10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2004/10/25-01.71**

BH-F 19.5' >> MS

Lab ID: 2004-10-0678 - 004

MS: 2004/10/25-01.71-052

Extracted: 10/25/2004

Analyzed: 10/25/2004 14:52

Dilution: 1.00

MSD: 2004/10/25-01.71-060

Extracted: 10/25/2004

Analyzed: 10/25/2004 15:26

Dilution: 1.00

Compound	Conc.		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	88.2	91.1	ND	96.0	91.9	94.2	2.5	69-129	20		
Chlorobenzene	94.4	95.0	ND	96.0	98.3	98.2	0.1	61-121	20		
1,1-Dichloroethene	94.2	96.2	ND	96.0	98.1	99.5	1.4	65-125	20		
Toluene	90.2	94.6	ND	96.0	94.0	97.8	4.0	70-130	20		
Trichloroethene	91.3	92.2	ND	96.0	95.1	95.3	0.2	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	477	464		500	95.5	92.8		74-121			
1,2-Dichloroethane-d4	530	499		500	105.9	99.8		70-121			
Toluene-d8	494	502		500	98.8	100.4		81-117			

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10/26/2004 14:25

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

---

**Legend and Notes**

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**Analysis Flag**

is

Internal standard out of range due to matrix interference.

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab.#
BH-E	10/19/2004 17:30	Water	1
BH-H	10/20/2004 09:40	Water	4
BH-I	10/20/2004 10:20	Water	5
BH-J	10/20/2004 11:55	Water	6

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 14:28

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	BH-E	Lab ID:	2004-10-0668 - 1
Sampled:	10/19/2004 17:30	Extracted:	10/22/2004 08:37
Matrix:	Water	QC Batch#:	2004/10/22-05-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	3600	50	ug/L	1.00	10/23/2004 17:56	
<i>Surrogate(s)</i> o-Terphenyl	80.0	60-130	%	1.00	10/23/2004 17:56	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	BH-H	Lab ID:	2004-10-0668 - 4
Sampled:	10/20/2004 09:40	Extracted:	10/22/2004 08:37
Matrix:	Water	QC Batch#:	2004/10/22-05 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	1200000	50000	ug/L	1000.00	10/25/2004 18:45	
<i>Surrogate(s)</i>						
o-Terphenyl	NA	60-130	%	1000.00	10/25/2004 18:45	sd

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 14:28

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	BH-1	Lab ID:	2004-10-0668 - 5
Sampled:	10/20/2004 10:20	Extracted:	10/22/2004 08:37
Matrix:	Water	QC Batch#:	2004/10/22-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	57000	2500	ug/L	50.00	10/25/2004 19:13	
<i>Surrogate(s)</i>						
o-Terphenyl	NA	60-130	%	50.00	10/25/2004 19:13	sd

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10/27/2004 14:28

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: BH-J	Lab ID: 2004-10-0668 - 6
Sampled: 10/20/2004 11:55	Extracted: 10/22/2004 08:37
Matrix: Water	QC Batch#: 2004/10/22-05-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	1600000	50000	ug/L	1000.00	10/25/2004 18:45	
<b>Surrogate(s)</b>						
o-Terphenyl	NA	60-130	%	1000.00	10/25/2004 18:45	sd

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 14:28



**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report					
Prep(s): 3510/8015M				Test(s): 8015M	
Method Blank		Water		QC Batch # 2004/10/22-05-10	
MB: 2004/10/22-05-10-001				Date Extracted: 10/22/2004 08:37	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/23/2004 12:49	
Mineral spirits	ND	50	ug/L	10/23/2004 12:49	
<b>Surrogates(s)</b> o-Terphenyl	75.5	60-130	%	10/23/2004 12:49	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report										
Prep(s): 3510/8015M						Test(s): 8016M				
Laboratory Control Spike			Water			QC Batch # 2004/10/22-05.10				
LCS: 2004/10/22-05.10-002		Extracted: 10/22/2004		Analyzed: 10/23/2004 14:16						
LCSD: 2004/10/22-05.10-003		Extracted: 10/22/2004		Analyzed: 10/23/2004 14:44						
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	720	765	1000	72.0	76.5	6.1	60-130	25		
Surrogates(s) o-Terphenyl	16.3	17.3	20.0	81.5	86.3		60-130	0		

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Legend and Notes**

**Result Flag**

sd

Surrogate recovery not reportable due to required dilution.

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 14.28

Page 8 of 8

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-E	10/19/2004 17:30	Water	1
BH-F	10/19/2004 18:05	Water	2
BH-G	10/19/2004 18:35	Water	3
BH-H	10/20/2004 09:40	Water	4
BH-I	10/20/2004 10:20	Water	5
BH-J	10/20/2004 11:55	Water	6

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/28/2004 11:41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-E	Lab ID:	2004-10-0668 - 1
Sampled:	10/19/2004 17:30	Extracted:	10/27/2004 10:22
Matrix:	Water	QC Batch#:	2004/10/27-01 71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/27/2004 10:22	
Acetone	ND	50	ug/L	1.00	10/27/2004 10:22	
Benzene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Bromobenzene	ND	1.0	ug/L	1.00	10/27/2004 10:22	
Bromochloromethane	ND	1.0	ug/L	1.00	10/27/2004 10:22	
Bromoform	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Bromomethane	ND	1.0	ug/L	1.00	10/27/2004 10:22	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/27/2004 10:22	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 10:22	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 10:22	
tert-Butylbenzene	1.3	1.0	ug/L	1.00	10/27/2004 10:22	
Carbon disulfide	ND	5.0	ug/L	1.00	10/27/2004 10:22	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Chlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Chloroethane	ND	1.0	ug/L	1.00	10/27/2004 10:22	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/27/2004 10:22	
Chloroform	ND	1.0	ug/L	1.00	10/27/2004 10:22	
Chloromethane	ND	1.0	ug/L	1.00	10/27/2004 10:22	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/27/2004 10:22	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/27/2004 10:22	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Dibromomethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	

Severn Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	6030B	Test(s):	8260B
Sample ID:	BH-E	Lab ID:	2004-10-0668-1
Sampled:	10/19/2004 17:30	Extracted:	10/27/2004 10:22
Matrix:	Water	QC Batch#:	2004/10/27-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Ethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/27/2004 10:22	
2-Hexanone	ND	50	ug/L	1.00	10/27/2004 10:22	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/27/2004 10:22	
Methylene chloride	ND	5.0	ug/L	1.00	10/27/2004 10:22	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/27/2004 10:22	
Naphthalene	ND	1.0	ug/L	1.00	10/27/2004 10:22	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/27/2004 10:22	
Styrene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Toluene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 10:22	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 10:22	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Trichloroethene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/27/2004 10:22	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/27/2004 10:22	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 10:22	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-E	Lab ID:	2004-10-0668 - 1
Sampled:	10/19/2004 17:30	Extracted:	10/27/2004 10:22
Matrix:	Water	QC Batch#:	2004/10/27-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Vinyl acetate	ND	25	ug/L	1.00	10/27/2004 10:22	
Vinyl chloride	ND	0.50	ug/L	1.00	10/27/2004 10:22	
Total xylenes	ND	1.0	ug/L	1.00	10/27/2004 10:22	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	100.3	79-118	%	1.00	10/27/2004 10:22	
1,2-Dichloroethane-d4	96.5	78-117	%	1.00	10/27/2004 10:22	
Toluene-d8	107.6	77-121	%	1.00	10/27/2004 10:22	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

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Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	6030B	Test(s):	8260B
Sample ID:	BH-F	Lab ID:	2004-10-0668 - 2
Sampled:	10/19/2004 18:05	Extracted:	10/27/2004 10:55
Matrix:	Water	QC Batch#:	2004/10/27-01-71
Analysis Flag: 11 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/27/2004 10:55	
Acetone	ND	50	ug/L	1.00	10/27/2004 10:55	
Benzene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Bromobenzene	ND	1.0	ug/L	1.00	10/27/2004 10:55	
Bromochloromethane	ND	1.0	ug/L	1.00	10/27/2004 10:55	
Bromoform	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Bromomethane	ND	1.0	ug/L	1.00	10/27/2004 10:55	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/27/2004 10:55	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 10:55	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 10:55	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 10:55	
Carbon disulfide	ND	5.0	ug/L	1.00	10/27/2004 10:55	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Chlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Chloroethane	ND	1.0	ug/L	1.00	10/27/2004 10:55	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/27/2004 10:55	
Chloroform	ND	1.0	ug/L	1.00	10/27/2004 10:55	
Chloromethane	ND	1.0	ug/L	1.00	10/27/2004 10:55	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/27/2004 10:55	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/27/2004 10:55	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	

Severn Trent Laboratories, Inc.

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10/28/2004 11:41



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-F	Lab ID:	2004-10-0668 - 2
Sampled:	10/19/2004 18:05	Extracted:	10/27/2004 10:55
Matrix:	Water	QC Batch#:	2004/10/27-01-71
Analysis Flag: 11 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Ethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/27/2004 10:55	
2-Hexanone	ND	50	ug/L	1.00	10/27/2004 10:55	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/27/2004 10:55	
Methylene chloride	ND	5.0	ug/L	1.00	10/27/2004 10:55	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/27/2004 10:55	
Naphthalene	ND	1.0	ug/L	1.00	10/27/2004 10:55	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/27/2004 10:55	
Styrene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Toluene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 10:55	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 10:55	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Trichloroethene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/27/2004 10:55	

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10/28/2004 11:41

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-F	Lab ID:	2004-10-0668-2
Sampled:	10/19/2004 18:05	Extracted:	10/27/2004 10:55
Matrix:	Water	QC Batch#:	2004/10/27-01-71
Analysis Flag: 11 (See Legend and Note Section.)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Vinyl acetate	ND	25	ug/L	1.00	10/27/2004 10:55	
Vinyl chloride	ND	0.50	ug/L	1.00	10/27/2004 10:55	
Total xylenes	ND	1.0	ug/L	1.00	10/27/2004 10:55	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	104.5	79-118	%	1.00	10/27/2004 10:55	
1,2-Dichloroethane-d4	146.0	78-117	%	1.00	10/27/2004 10:55	S4
Toluene-d8	106.9	77-121	%	1.00	10/27/2004 10:55	

**Volatile Organic Compounds by 8260B (Low Level)**

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Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-G	Lab ID:	2004-10-0668-3
Sampled:	10/19/2004 18:35	Extracted:	10/27/2004 11:29
Matrix:	Water	QC Batch#:	2004/10/27-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/27/2004 11:29	
Acetone	ND	50	ug/L	1.00	10/27/2004 11:29	
Benzene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Bromobenzene	ND	1.0	ug/L	1.00	10/27/2004 11:29	
Bromochloromethane	ND	1.0	ug/L	1.00	10/27/2004 11:29	
Bromoform	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Bromomethane	ND	1.0	ug/L	1.00	10/27/2004 11:29	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/27/2004 11:29	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 11:29	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 11:29	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 11:29	
Carbon disulfide	ND	5.0	ug/L	1.00	10/27/2004 11:29	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Chlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Chloroethane	ND	1.0	ug/L	1.00	10/27/2004 11:29	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/27/2004 11:29	
Chloroform	ND	1.0	ug/L	1.00	10/27/2004 11:29	
Chloromethane	ND	1.0	ug/L	1.00	10/27/2004 11:29	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/27/2004 11:29	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/27/2004 11:29	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Dibromomethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	

Severn Trent Laboratories, Inc.

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10/28/2004 11.41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-G	Lab ID:	2004-10-0668 - 3
Sampled:	10/19/2004 16:35	Extracted:	10/27/2004 11:29
Matrix:	Water	QC Batch#:	2004/10/27-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Ethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/27/2004 11:29	
2-Hexanone	ND	50	ug/L	1.00	10/27/2004 11:29	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/27/2004 11:29	
Methylene chloride	ND	5.0	ug/L	1.00	10/27/2004 11:29	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/27/2004 11:29	
Naphthalene	ND	1.0	ug/L	1.00	10/27/2004 11:29	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/27/2004 11:29	
Styrene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Toluene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 11:29	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 11:29	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Trichloroethene	0.57	0.50	ug/L	1.00	10/27/2004 11:29	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/27/2004 11:29	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/27/2004 11:29	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 11:29	

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10/28/2004 11:41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5030B	Test(s): 8260B
Sample ID: BH-G	Lab ID: 2004-10-0668 - 3
Sampled: 10/19/2004 18:35	Extracted: 10/27/2004 11:29
Matrix: Water	QC Batch#: 2004/10/27-01:71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Vinyl acetate	ND	25	ug/L	1.00	10/27/2004 11:29	
Vinyl chloride	ND	0.50	ug/L	1.00	10/27/2004 11:29	
Total xylenes	ND	1.0	ug/L	1.00	10/27/2004 11:29	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	105.7	79-118	%	1.00	10/27/2004 11:29	
1,2-Dichloroethane-d4	102.5	78-117	%	1.00	10/27/2004 11:29	
Toluene-d8	105.8	77-121	%	1.00	10/27/2004 11:29	

Severn Trent Laboratories, Inc.

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10/28/2004 11:41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-H	Lab ID:	2004-10-0668 - 4
Sampled:	10/20/2004 09:40	Extracted:	10/27/2004 12:02
Matrix:	Water	QC Batch#:	2004/10/27-01-71
Analysis Flag: L1 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	20	ug/L	4.00	10/27/2004 12:02	
Acetone	ND	200	ug/L	4.00	10/27/2004 12:02	
Benzene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Bromodichloromethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Bromobenzene	ND	4.0	ug/L	4.00	10/27/2004 12:02	
Bromochloromethane	ND	4.0	ug/L	4.00	10/27/2004 12:02	
Bromoform	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Bromomethane	ND	4.0	ug/L	4.00	10/27/2004 12:02	
2-Butanone(MEK)	ND	200	ug/L	4.00	10/27/2004 12:02	
n-Butylbenzene	ND	4.0	ug/L	4.00	10/27/2004 12:02	
sec-Butylbenzene	56	4.0	ug/L	4.00	10/27/2004 12:02	
tert-Butylbenzene	48	4.0	ug/L	4.00	10/27/2004 12:02	
Carbon disulfide	ND	20	ug/L	4.00	10/27/2004 12:02	
Carbon tetrachloride	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Chlorobenzene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Chloroethane	ND	4.0	ug/L	4.00	10/27/2004 12:02	
2-Chloroethylvinyl ether	ND	20	ug/L	4.00	10/27/2004 12:02	
Chloroform	ND	4.0	ug/L	4.00	10/27/2004 12:02	
Chloromethane	ND	4.0	ug/L	4.00	10/27/2004 12:02	
2-Chlorotoluene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
4-Chlorotoluene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Dibromochloromethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,4-Dichlorobenzene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,3-Dichloropropane	ND	4.0	ug/L	4.00	10/27/2004 12:02	
2,2-Dichloropropane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,1-Dichloropropene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,2-Dibromo-3-chloropropane	ND	4.0	ug/L	4.00	10/27/2004 12:02	
1,2-Dibromoethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-H	Lab ID:	2004-10-0668 - 4
Sampled:	10/20/2004 09:40	Extracted:	10/27/2004 12:02
Matrix:	Water	QC Batch#:	2004/10/27-01-71
Analysis Flag: L1 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Dichlorodifluoromethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,1-Dichloroethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,1-Dichloroethene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
cis-1,2-Dichloroethene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
trans-1,2-Dichloroethene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,2-Dichloropropane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Ethylbenzene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Hexachlorobutadiene	ND	4.0	ug/L	4.00	10/27/2004 12:02	
2-Hexanone	ND	200	ug/L	4.00	10/27/2004 12:02	
Isopropylbenzene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
p-Isopropyltoluene	ND	4.0	ug/L	4.00	10/27/2004 12:02	
Methylene chloride	ND	20	ug/L	4.00	10/27/2004 12:02	
4-Methyl-2-pentanone (MIBK)	ND	200	ug/L	4.00	10/27/2004 12:02	
Naphthalene	ND	4.0	ug/L	4.00	10/27/2004 12:02	
n-Propylbenzene	ND	4.0	ug/L	4.00	10/27/2004 12:02	
Styrene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Tetrachloroethene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Toluene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,2,3-Trichlorobenzene	ND	4.0	ug/L	4.00	10/27/2004 12:02	
1,2,4-Trichlorobenzene	ND	4.0	ug/L	4.00	10/27/2004 12:02	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Trichloroethene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Trichlorofluoromethane	ND	4.0	ug/L	4.00	10/27/2004 12:02	

Severn Trent Laboratories, Inc.

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10/28/2004 11:41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-H	Lab ID:	2004-10-0668-4
Sampled:	10/20/2004 09:40	Extracted:	10/27/2004 12:02
Matrix:	Water	QC Batch#:	2004/10/27-01.71
Analysis Flag: L1 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorotrifluoroethane	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Vinyl acetate	ND	100	ug/L	4.00	10/27/2004 12:02	
Vinyl chloride	ND	2.0	ug/L	4.00	10/27/2004 12:02	
Total xylenes	ND	4.0	ug/L	4.00	10/27/2004 12:02	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	118.6	79-118	%	4.00	10/27/2004 12:02	S4
1,2-Dichloroethane-d4	117.2	78-117	%	4.00	10/27/2004 12:02	S4
Toluene-d8	91.9	77-121	%	4.00	10/27/2004 12:02	

Severn Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-1	Lab ID:	2004-10-0668 - 5
Sampled:	10/20/2004 10:20	Extracted:	10/24/2004 23:52
Matrix:	Water	QC Batch#:	2004/10/24-01.60
Analysis Flag: L1 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	20	ug/L	4.00	10/24/2004 23:52	
Acetone	ND	200	ug/L	4.00	10/24/2004 23:52	
Benzene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Bromodichloromethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Bromobenzene	ND	4.0	ug/L	4.00	10/24/2004 23:52	
Bromochloromethane	ND	4.0	ug/L	4.00	10/24/2004 23:52	
Bromoform	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Bromomethane	ND	4.0	ug/L	4.00	10/24/2004 23:52	
2-Butanone(MEK)	ND	200	ug/L	4.00	10/24/2004 23:52	
n-Butylbenzene	ND	4.0	ug/L	4.00	10/24/2004 23:52	
sec-Butylbenzene	35	4.0	ug/L	4.00	10/24/2004 23:52	
tert-Butylbenzene	13	4.0	ug/L	4.00	10/24/2004 23:52	
Carbon disulfide	ND	20	ug/L	4.00	10/24/2004 23:52	
Carbon tetrachloride	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Chlorobenzene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Chloroethane	ND	4.0	ug/L	4.00	10/24/2004 23:52	
2-Chloroethylvinyl ether	ND	20	ug/L	4.00	10/24/2004 23:52	
Chloroform	ND	4.0	ug/L	4.00	10/24/2004 23:52	
Chloromethane	ND	4.0	ug/L	4.00	10/24/2004 23:52	
2-Chlorotoluene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
4-Chlorotoluene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Dibromochloromethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,4-Dichlorobenzene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,3-Dichloropropane	ND	4.0	ug/L	4.00	10/24/2004 23:52	
2,2-Dichloropropane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,1-Dichloropropene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,2-Dibromo-3-chloropropane	ND	4.0	ug/L	4.00	10/24/2004 23:52	
1,2-Dibromoethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	

Severn Trent Laboratories, Inc.

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10/28/2004 11:41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5030B	Test(s): 8260B
Sample ID: BHI	Lab ID: 2004-10-0668 - 5
Sampled: 10/20/2004 10:20	Extracted: 10/24/2004 23:52
Matrix: Water	QC Batch#: 2004/10/24-01.60
Analysis Flag: L1 (- See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Dichlorodifluoromethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,1-Dichloroethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,1-Dichloroethene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
cis-1,2-Dichloroethene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
trans-1,2-Dichloroethene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,2-Dichloropropane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Ethylbenzene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Hexachlorobutadiene	ND	4.0	ug/L	4.00	10/24/2004 23:52	
2-Hexanone	ND	200	ug/L	4.00	10/24/2004 23:52	
Isopropylbenzene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
p-Isopropyltoluene	ND	4.0	ug/L	4.00	10/24/2004 23:52	
Methylene chloride	ND	20	ug/L	4.00	10/24/2004 23:52	
4-Methyl-2-pentanone (MIBK)	ND	200	ug/L	4.00	10/24/2004 23:52	
Naphthalene	ND	4.0	ug/L	4.00	10/24/2004 23:52	
n-Propylbenzene	20	4.0	ug/L	4.00	10/24/2004 23:52	
Styrene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Tetrachloroethene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Toluene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,2,3-Trichlorobenzene	ND	4.0	ug/L	4.00	10/24/2004 23:52	
1,2,4-Trichlorobenzene	ND	4.0	ug/L	4.00	10/24/2004 23:52	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Trichloroethene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Trichlorofluoromethane	ND	4.0	ug/L	4.00	10/24/2004 23:52	



Volatile Organic Compounds by 8260B (Low Level)

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853  
Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5030B  
Sample ID: BH-1  
Sampled: 10/20/2004 10:20  
Matrix: Water  
Analysis Flag: L1 (See Legend and Note Section)

Test(s): 8260B  
Lab ID: 2004-10-0668-5  
Extracted: 10/24/2004 23:52  
QC Batch#: 2004/10/24-01:60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorotrifluoroethane	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Vinyl acetate	ND	100	ug/L	4.00	10/24/2004 23:52	
Vinyl chloride	ND	2.0	ug/L	4.00	10/24/2004 23:52	
Total xylenes	ND	4.0	ug/L	4.00	10/24/2004 23:52	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	90.5	79-118	%	4.00	10/24/2004 23:52	
1,2-Dichloroethane-d4	91.3	78-117	%	4.00	10/24/2004 23:52	
Toluene-d8	95.5	77-121	%	4.00	10/24/2004 23:52	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853  
Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5030B Test(s) 8260B  
Sample ID: BH-J Lab ID: 2004-10-0668 - 6  
Sampled: 10/20/2004 11:55 Extracted: 10/25/2004 00:25  
Matrix: Water QC Batch#: 2004/10/24-01 60  
Analysis Flag: L1 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	20	ug/L	4.00	10/25/2004 00:25	
Acetone	ND	200	ug/L	4.00	10/25/2004 00:25	
Benzene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Bromodichloromethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Bromobenzene	ND	4.0	ug/L	4.00	10/25/2004 00:25	
Bromochloromethane	ND	4.0	ug/L	4.00	10/25/2004 00:25	
Bromoform	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Bromomethane	ND	4.0	ug/L	4.00	10/25/2004 00:25	
2-Butanone(MEK)	ND	200	ug/L	4.00	10/25/2004 00:25	
n-Butylbenzene	ND	4.0	ug/L	4.00	10/25/2004 00:25	
sec-Butylbenzene	ND	4.0	ug/L	4.00	10/25/2004 00:25	
tert-Butylbenzene	20	4.0	ug/L	4.00	10/25/2004 00:25	
Carbon disulfide	ND	20	ug/L	4.00	10/25/2004 00:25	
Carbon tetrachloride	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Chlorobenzene	ND	4.0	ug/L	4.00	10/25/2004 00:25	
Chloroethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
2-Chloroethylvinyl ether	ND	20	ug/L	4.00	10/25/2004 00:25	
Chloroform	ND	4.0	ug/L	4.00	10/25/2004 00:25	
Chloromethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
2-Chlorotoluene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
4-Chlorotoluene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Dibromochloromethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,4-Dichlorobenzene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,3-Dichloropropane	ND	4.0	ug/L	4.00	10/25/2004 00:25	
2,2-Dichloropropane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,1-Dichloropropene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,2-Dibromo-3-chloropropane	ND	4.0	ug/L	4.00	10/25/2004 00:25	
1,2-Dibromoethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	

10/28/2004 11:41

Sewern Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Project: Kozel

Received: 10/20/2004 16:35

Prep(s): 5030B	Test(s): 8260B
Sample ID: BH-J	Lab ID: 2004-10-0668 - 6
Sampled: 10/20/2004 11:55	Extracted: 10/25/2004 00:25
Matrix: Water	QC Batch#: 2004/10/24-01-60
Analysis Flag: L1 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Dichlorodifluoromethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,1-Dichloroethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,1-Dichloroethene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
cis-1,2-Dichloroethene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
trans-1,2-Dichloroethene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,2-Dichloropropane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Ethylbenzene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Hexachlorobutadiene	ND	4.0	ug/L	4.00	10/25/2004 00:25	
2-Hexanone	ND	200	ug/L	4.00	10/25/2004 00:25	
Isopropylbenzene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
p-Isopropyltoluene	ND	4.0	ug/L	4.00	10/25/2004 00:25	
Methylene chloride	ND	20	ug/L	4.00	10/25/2004 00:25	
4-Methyl-2-pentanone (MIBK)	ND	200	ug/L	4.00	10/25/2004 00:25	
Naphthalene	ND	4.0	ug/L	4.00	10/25/2004 00:25	
n-Propylbenzene	ND	4.0	ug/L	4.00	10/25/2004 00:25	
Styrene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Tetrachloroethene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Toluene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,2,3-Trichlorobenzene	ND	4.0	ug/L	4.00	10/25/2004 00:25	
1,2,4-Trichlorobenzene	ND	4.0	ug/L	4.00	10/25/2004 00:25	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Trichloroethene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Trichlorofluoromethane	ND	4.0	ug/L	4.00	10/25/2004 00:25	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-J	Lab ID:	2004-10-0668 - 6
Sampled:	10/20/2004 11:55	Extracted:	10/25/2004 00:25
Matrix:	Water	QC Batch#:	2004/10/24-01.60
Analysis Flag: L1: ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorotrifluoroethane	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Vinyl acetate	ND	100	ug/L	4.00	10/25/2004 00:25	
Vinyl chloride	ND	2.0	ug/L	4.00	10/25/2004 00:25	
Total xylenes	ND	4.0	ug/L	4.00	10/25/2004 00:25	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	99.4	79-118	%	4.00	10/25/2004 00:25	
1,2-Dichloroethane-d4	108.7	78-117	%	4.00	10/25/2004 00:25	
Toluene-d8	85.4	77-121	%	4.00	10/25/2004 00:25	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report		
Prep(s): 5030B	Water	Test(s): 8260B
Method: Blank		QC Batch # 2004/10/24-01.60
MB: 2004/10/24-01.60-006		Date Extracted: 10/24/2004 16:06

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	10/24/2004 16:06	
Acetone	ND	50	ug/L	10/24/2004 16:06	
Benzene	ND	0.5	ug/L	10/24/2004 16:06	
Bromodichloromethane	ND	0.5	ug/L	10/24/2004 16:06	
Bromobenzene	ND	1.0	ug/L	10/24/2004 16:06	
Bromochloromethane	ND	1.0	ug/L	10/24/2004 16:06	
Bromoform	ND	0.5	ug/L	10/24/2004 16:06	
Bromomethane	ND	1.0	ug/L	10/24/2004 16:06	
2-Butanone(MEK)	ND	50	ug/L	10/24/2004 16:06	
n-Butylbenzene	ND	1.0	ug/L	10/24/2004 16:06	
sec-Butylbenzene	ND	1.0	ug/L	10/24/2004 16:06	
tert-Butylbenzene	ND	1.0	ug/L	10/24/2004 16:06	
Carbon disulfide	ND	5.0	ug/L	10/24/2004 16:06	
Carbon tetrachloride	ND	0.5	ug/L	10/24/2004 16:06	
Chlorobenzene	ND	0.5	ug/L	10/24/2004 16:06	
Chloroethane	ND	1.0	ug/L	10/24/2004 16:06	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10/24/2004 16:06	
Chloroform	ND	1.0	ug/L	10/24/2004 16:06	
Chloromethane	ND	1.0	ug/L	10/24/2004 16:06	
2-Chlorotoluene	ND	0.5	ug/L	10/24/2004 16:06	
4-Chlorotoluene	ND	0.5	ug/L	10/24/2004 16:06	
Dibromochloromethane	ND	0.5	ug/L	10/24/2004 16:06	
1,2-Dichlorobenzene	ND	0.5	ug/L	10/24/2004 16:06	
1,3-Dichlorobenzene	ND	0.5	ug/L	10/24/2004 16:06	
1,4-Dichlorobenzene	ND	0.5	ug/L	10/24/2004 16:06	
1,3-Dichloropropane	ND	1.0	ug/L	10/24/2004 16:06	
2,2-Dichloropropane	ND	0.5	ug/L	10/24/2004 16:06	
1,1-Dichloropropene	ND	0.5	ug/L	10/24/2004 16:06	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	10/24/2004 16:06	
1,2-Dibromoethane	ND	0.5	ug/L	10/24/2004 16:06	
Dibromomethane	ND	0.5	ug/L	10/24/2004 16:06	

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Volatile Organic Compounds by 8260B (Low Level)

Aqua Science Engineers, Inc.

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208 West El Pintado Road  
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Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report		
Prep(s): 5030B	Water	Test(s): 8260B
Method Blank		QC Batch # 2004/10/24-01.60
MB: 2004/10/24-01.60-006		Date Extracted: 10/24/2004 16:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Dichlorodifluoromethane	ND	0.5	ug/L	10/24/2004 16:06	
1,1-Dichloroethane	ND	0.5	ug/L	10/24/2004 16:06	
1,2-Dichloroethane	ND	0.5	ug/L	10/24/2004 16:06	
1,1-Dichloroethene	ND	0.5	ug/L	10/24/2004 16:06	
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/24/2004 16:06	
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/24/2004 16:06	
1,2-Dichloropropane	ND	0.5	ug/L	10/24/2004 16:06	
cis-1,3-Dichloropropene	ND	0.5	ug/L	10/24/2004 16:06	
trans-1,3-Dichloropropene	ND	0.5	ug/L	10/24/2004 16:06	
Ethylbenzene	ND	0.5	ug/L	10/24/2004 16:06	
Hexachlorobutadiene	ND	1.0	ug/L	10/24/2004 16:06	
2-Hexanone	ND	50	ug/L	10/24/2004 16:06	
Isopropylbenzene	ND	0.5	ug/L	10/24/2004 16:06	
p-Isopropyltoluene	ND	1.0	ug/L	10/24/2004 16:06	
Methylene chloride	ND	5.0	ug/L	10/24/2004 16:06	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	10/24/2004 16:06	
Naphthalene	ND	1.0	ug/L	10/24/2004 16:06	
n-Propylbenzene	ND	1.0	ug/L	10/24/2004 16:06	
Styrene	ND	0.5	ug/L	10/24/2004 16:06	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	10/24/2004 16:06	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	10/24/2004 16:06	
Tetrachloroethene	ND	0.5	ug/L	10/24/2004 16:06	
Toluene	ND	0.5	ug/L	10/24/2004 16:06	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	10/24/2004 16:06	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	10/24/2004 16:06	
1,1,1-Trichloroethane	ND	0.5	ug/L	10/24/2004 16:06	
1,1,2-Trichloroethane	ND	0.5	ug/L	10/24/2004 16:06	
Trichloroethene	ND	0.5	ug/L	10/24/2004 16:06	
Trichlorofluoromethane	ND	1.0	ug/L	10/24/2004 16:06	
Trichlorotrifluoroethane	ND	0.5	ug/L	10/24/2004 16:06	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	10/24/2004 16:06	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	10/24/2004 16:06	

10/28/2004 11:41

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2004/10/24-01.60
MB: 2004/10/24-01.60-006		Date Extracted: 10/24/2004 16:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl acetate	ND	25	ug/L	10/24/2004 16:06	
Vinyl chloride	ND	0.5	ug/L	10/24/2004 16:06	
Total xylenes	ND	1.0	ug/L	10/24/2004 16:06	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	115.4	79-118	%	10/24/2004 16:06	
1,2-Dichloroethane-d4	85.7	78-117	%	10/24/2004 16:06	
Toluene-d8	104.3	77-121	%	10/24/2004 16:06	

**Volatile Organic Compounds by 8260B (Low Level)**

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Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method: Blank	Water	QC Batch # 2004/10/27-01-71
MB: 2004/10/27-01-71-001		Date Extracted: 10/27/2004 07:21

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	10/27/2004 07:21	
Acetone	ND	50	ug/L	10/27/2004 07:21	
Benzene	ND	0.5	ug/L	10/27/2004 07:21	
Bromodichloromethane	ND	0.5	ug/L	10/27/2004 07:21	
Bromobenzene	ND	1.0	ug/L	10/27/2004 07:21	
Bromochloromethane	ND	1.0	ug/L	10/27/2004 07:21	
Bromoform	ND	0.5	ug/L	10/27/2004 07:21	
Bromomethane	ND	1.0	ug/L	10/27/2004 07:21	
2-Butanone(MEK)	ND	50	ug/L	10/27/2004 07:21	
n-Butylbenzene	ND	1.0	ug/L	10/27/2004 07:21	
sec-Butylbenzene	ND	1.0	ug/L	10/27/2004 07:21	
tert-Butylbenzene	ND	1.0	ug/L	10/27/2004 07:21	
Carbon disulfide	ND	5.0	ug/L	10/27/2004 07:21	
Carbon tetrachloride	ND	0.5	ug/L	10/27/2004 07:21	
Chlorobenzene	ND	0.5	ug/L	10/27/2004 07:21	
Chloroethane	ND	1.0	ug/L	10/27/2004 07:21	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10/27/2004 07:21	
Chloroform	ND	1.0	ug/L	10/27/2004 07:21	
Chloromethane	ND	1.0	ug/L	10/27/2004 07:21	
2-Chlorotoluene	ND	0.5	ug/L	10/27/2004 07:21	
4-Chlorotoluene	ND	0.5	ug/L	10/27/2004 07:21	
Dibromochloromethane	ND	0.5	ug/L	10/27/2004 07:21	
1,2-Dichlorobenzene	ND	0.5	ug/L	10/27/2004 07:21	
1,3-Dichlorobenzene	ND	0.5	ug/L	10/27/2004 07:21	
1,4-Dichlorobenzene	ND	0.5	ug/L	10/27/2004 07:21	
1,3-Dichloropropane	ND	1.0	ug/L	10/27/2004 07:21	
2,2-Dichloropropane	ND	0.5	ug/L	10/27/2004 07:21	
1,1-Dichloropropene	ND	0.5	ug/L	10/27/2004 07:21	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	10/27/2004 07:21	
1,2-Dibromoethane	ND	0.5	ug/L	10/27/2004 07:21	
Dibromomethane	ND	0.5	ug/L	10/27/2004 07:21	
Dichlorodifluoromethane	ND	0.5	ug/L	10/27/2004 07:21	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method: Blank	Water		QC Batch # 2004/10/27-01.71
MB: 2004/10/27-01.71-001			Date Extracted: 10/27/2004 07:21

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1-Dichloroethane	ND	0.5	ug/L	10/27/2004 07:21	
1,2-Dichloroethane	ND	0.5	ug/L	10/27/2004 07:21	
1,1-Dichloroethene	ND	0.5	ug/L	10/27/2004 07:21	
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/27/2004 07:21	
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/27/2004 07:21	
1,2-Dichloropropane	ND	0.5	ug/L	10/27/2004 07:21	
cis-1,3-Dichloropropene	ND	0.5	ug/L	10/27/2004 07:21	
trans-1,3-Dichloropropene	ND	0.5	ug/L	10/27/2004 07:21	
Ethylbenzene	ND	0.5	ug/L	10/27/2004 07:21	
Hexachlorobutadiene	ND	1.0	ug/L	10/27/2004 07:21	
2-Hexanone	ND	50	ug/L	10/27/2004 07:21	
Isopropylbenzene	ND	0.5	ug/L	10/27/2004 07:21	
p-Isopropyltoluene	ND	1.0	ug/L	10/27/2004 07:21	
Methylene chloride	ND	5.0	ug/L	10/27/2004 07:21	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	10/27/2004 07:21	
Naphthalene	ND	1.0	ug/L	10/27/2004 07:21	
n-Propylbenzene	ND	1.0	ug/L	10/27/2004 07:21	
Styrene	ND	0.5	ug/L	10/27/2004 07:21	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	10/27/2004 07:21	
1,1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	10/27/2004 07:21	
Tetrachloroethene	ND	0.5	ug/L	10/27/2004 07:21	
Toluene	ND	0.5	ug/L	10/27/2004 07:21	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	10/27/2004 07:21	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	10/27/2004 07:21	
1,1,1-Trichloroethane	ND	0.5	ug/L	10/27/2004 07:21	
1,1,2-Trichloroethane	ND	0.5	ug/L	10/27/2004 07:21	
Trichloroethene	ND	0.5	ug/L	10/27/2004 07:21	
Trichlorofluoromethane	ND	1.0	ug/L	10/27/2004 07:21	
Trichlorotrifluoroethane	ND	0.5	ug/L	10/27/2004 07:21	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	10/27/2004 07:21	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	10/27/2004 07:21	
Vinyl acetate	ND	25	ug/L	10/27/2004 07:21	

Sewern Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/28/2004 11:41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Water		QC Batch # 2004/10/27-01.71	
MB: 2004/10/27-01.71-001				Date Extracted: 10/27/2004 07:21	

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	0.5	ug/L	10/27/2004 07:21	
Total xylenes	ND	1.0	ug/L	10/27/2004 07:21	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	108.6	79-118	%	10/27/2004 07:21	
1,2-Dichloroethane-d4	95.4	78-117	%	10/27/2004 07:21	
Toluene-d8	105.4	77-121	%	10/27/2004 07:21	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report			
Prep(s) 50305	Water		Test(s) 8260B
Laboratory Control Spike	QC Batch # 2004/10/24-01.60		
LCS # 2004/10/24-01.60-039	Extracted: 10/24/2004	Analyzed: 10/24/2004 16:39	
LCSD			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	17.8		20.0	89.0			69-129	20		
Chlorobenzene	20.2		20.0	101.0			61-121	20		
1,1-Dichloroethene	17.4		20.0	87.0			65-125	20		
Toluene	18.7		20.0	93.5			70-130	20		
Trichloroethene	17.5		20.0	87.5			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	571		500	114.2			79-118			
1,2-Dichloroethane-d4	424		500	84.8			78-117			
Toluene-d8	489		500	97.8			77-121			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/28/2004 11:41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report			
Prep(s): 5030B	Test(s): 8260B		
Laboratory Control Spike	Water	QC Batch # 2004/10/27-01.71	
LCS 2004/10/27-01.71-002	Extracted: 10/27/2004	Analyzed: 10/27/2004 06:47	
LCSD			

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	19.0		20.0	95.0			69-129	20		
Chlorobenzene	20.8		20.0	104.0			61-121	20		
1,1-Dichloroethene	18.5		20.0	92.5			65-125	20		
Toluene	19.9		20.0	99.5			70-130	20		
Trichloroethene	18.9		20.0	94.5			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	527		500	105.4			79-118	0		
1,2-Dichloroethane-d4	492		500	98.4			78-117	0		
Toluene-d8	530		500	106.0			77-121	0		

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10/28/2004 11:41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report			
Prep(s)	5030B		Test(s): 8260B
Matrix Spike (MS / MSD)		Water	QC Batch # 2004/10/24-01:60
MS/MSD			Lab ID: 2004-10-0703 - 012
MS: 2004/10/24-01:60-059		Extracted: 10/24/2004	Analyzed: 10/24/2004 19:59
			Dilution: 2.00
MSD: 2004/10/24-01:60-032		Extracted: 10/24/2004	Analyzed: 10/24/2004 20:32
			Dilution: 2.00

Compound	Conc ug/L		Spk. Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
1,1-Dichloroethene	35.9	34.3	ND	40.0	89.8	85.8	4.6	65-125	20		
Trichloroethene	146	155	114	40.0	80.0	102.5	24.7	74-134	20		mso
Chlorobenzene	39.8	40.9	ND	40.0	99.5	102.3	2.8	61-121	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	565	582		500	113.0	116.4		79-118			
1,2-Dichloroethane-d4	444	434		500	88.8	86.8		78-117			
Toluene-d8	492	503		500	98.3	100.6		77-121			

Severn Trent Laboratories, Inc.

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10/28/2004 11:41

Volatile Organic Compounds by 8260B (Low Level)

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

Batch QC Report			
Prep(s):	5030B	Test(s):	8260B
Matrix Spike (MS / MSD)		Water	QC Batch # 2004/10/27-01.71
MS/MSD		Lab ID:	2004-10-0735-002
MS:	2004/10/27-01.71-003	Extracted:	10/27/2004
		Analyzed:	10/27/2004 13:45
		Dilution:	1.00
MSD:	2004/10/27-01.71-004	Extracted:	10/27/2004
		Analyzed:	10/27/2004 14:19
		Dilution:	1.00

Compound	Conc. ug/L			Spk. Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
1,1-Dichloroethene	17.7	18.1	ND	20.0	88.5	90.5	2.2	65-125	20		
Trichloroethene	32.7	33.6	13.6	20.0	95.5	100.0	4.6	74-134	20		
Chlorobenzene	21.0	21.2	ND	20.0	105.0	106.0	0.9	61-121	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	532	536		500	106.4	107.2		79-118	0		
1,2-Dichloroethane-d4	485	510		500	97.0	102.0		78-117	0		
Toluene-d8	538	522		500	107.6	104.4		77-121	0		

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10/28/2004 11:41



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/20/2004 16:35

**Legend and Notes**

**Analysis Flag**

I1

\*-Internal standard out of range.

L1

\*-Reporting limits raised due to high level of non-target analyte materials.

**Result Flag**

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.  
Precision and Accuracy were verified by LCS/LCSD.

S4

\*-Surrogate recovery was higher than QC limit due to matrix interference.





**Aqua Science Engineers, Inc.**

October 29, 2004

208 West El Pintado Road  
Danville, CA 94526

Attn.: Robert Kitay  
Project: Kozel

Dear Mr. Kitay,

Attached is our report for your samples received on 10/21/2004 18:05

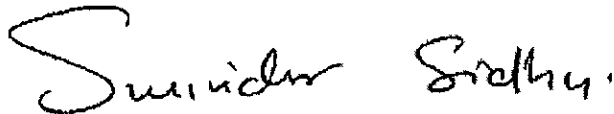
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/05/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: [ssidhu@stl-inc.com](mailto:ssidhu@stl-inc.com)

Sincerely,



Surinder Sidhu  
Project Manager

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-K 15.5'	10/20/2004 14:00	Soil	4
BH-L 19.5'	10/20/2004 15:15	Soil	9
BH-M 11.5'	10/20/2004 16:25	Soil	13
BH-N 11.5'	10/21/2004 08:17	Soil	17
BH-O 20.5'	10/21/2004 09:55	Soil	24
BH-P 7.5'	10/21/2004 09:20	Soil	27
BH-Q 7.5'	10/21/2004 10:34	Soil	30
BH-R 11.5'	10/21/2004 12:05	Soil	35
BH-S 11.5'	10/21/2004 13:05	Soil	39

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 15:40

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 3550/8015M      Test(s): 8015M  
 Sample ID: **BH-K 15.5'**      Lab ID: 2004-10-0709-4  
 Sampled: 10/20/2004 14:00      Extracted: 10/27/2004 13:13  
 Matrix: Soil      QC Batch#: 2004/10/27-04-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	ND	1.0	mg/Kg	1.00	10/28/2004 17:45	
<b>Surrogate(s)</b> o-Terphenyl	76.2	60-130	%	1.00	10/28/2004 17:45	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-L 19.5	Lab ID:	2004-10-0709-9
Sampled:	10/20/2004 15:15	Extracted:	10/27/2004 13:13
Matrix:	Soil	QC Batch#:	2004/10/27-04-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	1.2	1.0	mg/Kg	1.00	10/29/2004 11:31	
<i>Surrogate(s)</i> o-Terphenyl	76.6	60-130	%	1.00	10/29/2004 11:31	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-M 11.5	Lab ID:	2004-10-0709 - 13
Sampled:	10/20/2004 16:25	Extracted:	10/27/2004 13:13
Matrix:	Soil	QC Batch#:	2004/10/27-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	ND	1.0	mg/Kg	1.00	10/28/2004 18:13	
<i>Surrogate(s)</i> o-Terphenyl	80.8	60-130	%	1.00	10/28/2004 18:13	



**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 3550/8015M      Test(s): 8015M  
 Sample ID: **BH-N 11.5**      Lab ID: 2004-10-0709-17  
 Sampled: 10/21/2004 08:17      Extracted: 10/27/2004 13:13  
 Matrix: Soil      QC Batch#: 2004/10/27-04:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	ND	1.0	mg/Kg	1.00	10/28/2004 18:40	
<b>Surrogate(s)</b>						
o-Terphenyl	82.6	60-130	%	1.00	10/28/2004 18:40	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-O 20.5	Lab ID:	2004-10-0709 - 24
Sampled:	10/21/2004 09:55	Extracted:	10/27/2004 13:13
Matrix:	Soil	QC Batch#:	2004/10/27-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	ND	1.0	mg/Kg	1.00	10/28/2004 19:08	
<i>Surrogate(s)</i>						
o-Terphenyl	89.3	60-130	%	1.00	10/28/2004 19:08	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>BH-P 7.5</b>	Lab ID:	2004-10-0709 - 27
Sampled:	10/21/2004 09:20	Extracted:	10/27/2004 13:13
Matrix:	Soil	QC Batch#:	2004/10/27-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	140	1.0	mg/Kg	1.00	10/28/2004 19:35	
<b>Surrogate(s)</b>						
o-Terphenyl	84.2	60-130	%	1.00	10/28/2004 19:35	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/29/2004 15:40

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>BH-Q 7.5'</b>	Lab ID:	2004-10-0709 - 30
Sampled:	10/21/2004 10:34	Extracted:	10/27/2004 13:13
Matrix:	Soil	QC Batch#:	2004/10/27-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	27	1.0	mg/Kg	1.00	10/28/2004 20:57	
<b>Surrogate(s)</b>						
o-Terphenyl	94.1	60-130	%	1.00	10/28/2004 20:57	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-R 11.5	Lab ID:	2004-10-0709 - 35
Sampled:	10/21/2004 12:05	Extracted:	10/27/2004 13:13
Matrix:	Soil	QC Batch#:	2004/10/27-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	14	1.0	mg/Kg	1.00	10/28/2004 20:03	
<i>Surrogate(s)</i>						
o-Terphenyl	81.9	60-130	%	1.00	10/28/2004 20:03	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 3550/8015M      Test(s): 8015M  
 Sample ID: **BH-S 11.5**      Lab ID: 2004-10-0709-39  
 Sampled: 10/21/2004 13:05      Extracted: 10/27/2004 13:13  
 Matrix: Soil      QC Batch#: 2004/10/27-04-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	42	1.0	mg/Kg	1.00	10/28/2004 20:30	
<b>Surrogate(s)</b>						
o-Terphenyl	76.9	60-130	%	1.00	10/28/2004 20:30	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

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Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2004/10/27-04.10

MB: 2004/10/27-04-10-001

Date Extracted: 10/27/2004 13:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/28/2004 13:37	
Mineral spirits	ND	1	mg/Kg	10/28/2004 13:37	
<b>Surrogates(s)</b> o-Terphenyl	75.7	60-130	%	10/28/2004 13:37	

Severn Trent Laboratories, Inc.

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10/29/2004 15:40

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/10/27-04.10**

LCS 2004/10/27-04.10-002

Extracted: 10/27/2004

Analyzed: 10/28/2004 14:05

LCSD 2004/10/27-04.10-003

Extracted: 10/27/2004

Analyzed: 10/28/2004 14:32

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	26.2	28.0	41.6	63.0	67.5	6.9	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	17.4	17.1	20.0	86.8	85.6		60-130	0		



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-K 15.5'	10/20/2004 14:00	Soil	4
BH-L 19.5'	10/20/2004 15:15	Soil	9
BH-M 11.5'	10/20/2004 16:25	Soil	13
BH-N 11.5'	10/21/2004 08:17	Soil	17
BH-O 20.5'	10/21/2004 09:55	Soil	24
BH-P 7.5'	10/21/2004 09:20	Soil	27
BH-Q 7.5'	10/21/2004 10:34	Soil	30
BH-R 11.5'	10/21/2004 12:05	Soil	35
BH-S 11.5'	10/21/2004 13:05	Soil	39

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-K 15.5'	Lab ID:	2004-10-0709 -4
Sampled:	10/20/2004 14:00	Extracted:	10/25/2004 19:20
Matrix:	Soil	QC Batch#:	2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Acetone	ND	50	ug/Kg	1.00	10/25/2004 19:20	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 19:20	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 19:20	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 19:20	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 19:20	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 19:20	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,1-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 19:20	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 19:20	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 19:20	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 19:20	

Severn Trent Laboratories, Inc.

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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-K 15.5	Lab ID:	2004-10-0709 - 4
Sampled:	10/20/2004 14:00	Extracted:	10/25/2004 19:20
Matrix:	Soil	QC Batch#:	2004/10/25-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
2-Hexanone	ND	50	ug/Kg	1.00	10/25/2004 19:20	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 19:20	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/25/2004 19:20	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 19:20	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	

Severn Trent Laboratories, Inc.

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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-K 15.5	Lab ID:	2004-10-0709 - 4
Sampled:	10/20/2004 14:00	Extracted:	10/25/2004 19:20
Matrix:	Soil	QC Batch#:	2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 19:20	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 19:20	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	97.0	74-121	%	1.00	10/25/2004 19:20	
1,2-Dichloroethane-d4	96.4	70-121	%	1.00	10/25/2004 19:20	
Toluene-d8	100.9	81-117	%	1.00	10/25/2004 19:20	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-L 19.5 Lab ID: 2004-10-0709 - 9  
Sampled: 10/20/2004 15:15 Extracted: 10/25/2004 19:54  
Matrix: Soil QC Batch#: 2004/10/25-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Acetone	ND	50	ug/Kg	1.00	10/25/2004 19:54	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 19:54	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 19:54	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 19:54	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 19:54	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 19:54	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 19:54	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 19:54	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 19:54	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 19:54	

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## Volatile Organic Compounds by 8260B (Low Level)

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-L 19.5 Lab ID: 2004-10-0709 - 9  
 Sampled: 10/20/2004 15:15 Extracted: 10/25/2004 19:54  
 Matrix: Soil QC Batch#: 2004/10/25:01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
2-Hexanone	ND	50	ug/Kg	1.00	10/25/2004 19:54	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 19:54	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/25/2004 19:54	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 19:54	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	

Severn Trent Laboratories, Inc.

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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

---

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-L 19.5	Lab ID:	2004-10-0709 - 9
Sampled:	10/20/2004 15:15	Extracted:	10/25/2004 19:54
Matrix:	Soil	QC Batch#:	2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 19:54	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 19:54	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	96.8	74-121	%	1.00	10/25/2004 19:54	
1,2-Dichloroethane-d4	100.3	70-121	%	1.00	10/25/2004 19:54	
Toluene-d8	101.6	81-117	%	1.00	10/25/2004 19:54	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-M 11.5 Lab ID: 2004-10-0709 - 13  
 Sampled: 10/20/2004 16:25 Extracted: 10/25/2004 20:27  
 Matrix: Soil QC Batch#: 2004/10/25-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Acetone	ND	50	ug/Kg	1.00	10/25/2004 20:27	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 20:27	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 20:27	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 20:27	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 20:27	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 20:27	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,1-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 20:27	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 20:27	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 20:27	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 20:27	

Severn Trent Laboratories, Inc.

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10/27/2004 11:47



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-M 11.5 Lab ID: 2004-10-0709-13  
Sampled: 10/20/2004 16:25 Extracted: 10/25/2004 20:27  
Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
2-Hexanone	ND	50	ug/Kg	1.00	10/25/2004 20:27	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 20:27	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/25/2004 20:27	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 20:27	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035	Test(s): 8260B
Sample ID: BH-M 11.5	Lab ID: 2004-10-0709-13
Sampled: 10/20/2004 16:25	Extracted: 10/25/2004 20:27
Matrix: Soil	QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 20:27	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 20:27	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	98.8	74-121	%	1.00	10/25/2004 20:27	
1,2-Dichloroethane-d4	100.9	70-121	%	1.00	10/25/2004 20:27	
Toluene-d8	100.9	81-117	%	1.00	10/25/2004 20:27	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-N-11.5 Lab ID: 2004-10-0709 - 17  
Sampled: 10/21/2004 08:17 Extracted: 10/25/2004 21:00  
Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Acetone	ND	50	ug/Kg	1.00	10/25/2004 21:00	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 21:00	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 21:00	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 21:00	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 21:00	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 21:00	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 21:00	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 21:00	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 21:00	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 21:00	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-N 11.5 Lab ID: 2004-10-0709 - 17  
Sampled: 10/21/2004 08:17 Extracted: 10/25/2004 21:00  
Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
2-Hexanone	ND	50	ug/Kg	1.00	10/25/2004 21:00	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 21:00	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/25/2004 21:00	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 21:00	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-N 11.5 Lab ID: 2004-10-0709 - 17  
 Sampled: 10/21/2004 08:17 Extracted: 10/25/2004 21:00  
 Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 21:00	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 21:00	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	101.3	74-121	%	1.00	10/25/2004 21:00	
1,2-Dichloroethane-d4	107.2	70-121	%	1.00	10/25/2004 21:00	
Toluene-d8	98.3	81-117	%	1.00	10/25/2004 21:00	



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
Sample ID: **BH-O 20.5** Lab ID: 2004-10-0709-24  
Sampled: 10/21/2004 09:55 Extracted: 10/25/2004 21:34  
Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
2-Hexanone	ND	50	ug/Kg	1.00	10/25/2004 21:34	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 21:34	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/25/2004 21:34	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 21:34	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035	Test(s): 8260B
Sample ID: <b>BH-O 20.5'</b>	Lab ID: 2004-10-0709-24
Sampled: 10/21/2004 09:55	Extracted: 10/25/2004 21:34
Matrix: Soil	QC Batch#: 2004/10/25-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 21:34	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 21:34	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	101.0	74-121	%	1.00	10/25/2004 21:34	
1,2-Dichloroethane-d4	105.5	70-121	%	1.00	10/25/2004 21:34	
Toluene-d8	100.3	81-117	%	1.00	10/25/2004 21:34	



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-P 7.5 Lab ID: 2004-10-0709 -27  
Sampled: 10/21/2004 09:20 Extracted: 10/25/2004 22:41  
Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Acetone	85	50	ug/Kg	1.00	10/25/2004 22:41	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 22:41	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 22:41	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 22:41	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
tert-Butylbenzene	7.4	5.0	ug/Kg	1.00	10/25/2004 22:41	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 22:41	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 22:41	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 22:41	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 22:41	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 22:41	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 22:41	

Severn Trent Laboratories, Inc.

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10/27/2004 11:47



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-P 7.5 Lab ID: 2004-10-0709 - 27  
 Sampled: 10/21/2004 09:20 Extracted: 10/25/2004 22:41  
 Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 22:41	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 22:41	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	90.7	74-121	%	1.00	10/25/2004 22:41	
1,2-Dichloroethane-d4	113.5	70-121	%	1.00	10/25/2004 22:41	
Toluene-d8	98.6	81-117	%	1.00	10/25/2004 22:41	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-Q 7.5 Lab ID: 2004-10-0709 - 30  
Sampled: 10/21/2004 10:34 Extracted: 10/25/2004 22:08  
Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Acetone	ND	50	ug/Kg	1.00	10/25/2004 22:08	
Benzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Bromochloromethane	ND	20	ug/Kg	1.00	10/25/2004 22:08	
Bromoform	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Bromomethane	ND	10	ug/Kg	1.00	10/25/2004 22:08	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/25/2004 22:08	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Chloroethane	ND	10	ug/Kg	1.00	10/25/2004 22:08	
Chloroform	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Chloromethane	ND	10	ug/Kg	1.00	10/25/2004 22:08	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/25/2004 22:08	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/25/2004 22:08	
Dibromomethane	ND	10	ug/Kg	1.00	10/25/2004 22:08	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/25/2004 22:08	

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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
Sample ID: **BH-Q 7.5'** Lab ID: 2004-10-0709 - 30  
Sampled: 10/21/2004 10:34 Extracted: 10/25/2004 22:08  
Matrix: Soil QC Batch#: 2004/10/25-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
2-Hexanone	ND	50	ug/Kg	1.00	10/25/2004 22:08	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Methylene chloride	ND	10	ug/Kg	1.00	10/25/2004 22:08	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/25/2004 22:08	
Naphthalene	ND	10	ug/Kg	1.00	10/25/2004 22:08	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Styrene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Toluene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-Q 7.5 Lab ID: 2004-10-0709 - 30  
Sampled: 10/21/2004 10:34 Extracted: 10/25/2004 22:08  
Matrix: Soil QC Batch#: 2004/10/25-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/25/2004 22:08	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
Total xylenes	ND	5.0	ug/Kg	1.00	10/25/2004 22:08	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	104.4	74-121	%	1.00	10/25/2004 22:08	
1,2-Dichloroethane-d4	104.8	70-121	%	1.00	10/25/2004 22:08	
Toluene-d8	101.2	81-117	%	1.00	10/25/2004 22:08	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-R 11.5 Lab ID: 2004-10-0709 - 35  
 Sampled: 10/21/2004 12:05 Extracted: 10/26/2004 21:23  
 Matrix: Soil QC Batch#: 2004/10/26-01.71  
 Analysis Flag: I1 ( See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Acetone	130	50	ug/Kg	1.00	10/26/2004 21:23	
Benzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Bromochloromethane	ND	20	ug/Kg	1.00	10/26/2004 21:23	
Bromoform	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Bromomethane	ND	10	ug/Kg	1.00	10/26/2004 21:23	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/26/2004 21:23	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
tert-Butylbenzene	10	5.0	ug/Kg	1.00	10/26/2004 21:23	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Chloroethane	ND	10	ug/Kg	1.00	10/26/2004 21:23	
Chloroform	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Chloromethane	ND	10	ug/Kg	1.00	10/26/2004 21:23	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/26/2004 21:23	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/26/2004 21:23	
Dibromomethane	ND	10	ug/Kg	1.00	10/26/2004 21:23	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

 208 West El Pintado Road  
 Danville, CA 94526  
 Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-R 11.5	Lab ID:	2004-10-0709 - 35
Sampled:	10/21/2004 12:05	Extracted:	10/26/2004 21:23
Matrix:	Soil	QC Batch#:	2004/10/26-01.71
Analysis Flag: I1 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/26/2004 21:23	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
2-Hexanone	ND	50	ug/Kg	1.00	10/26/2004 21:23	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Methylene chloride	ND	10	ug/Kg	1.00	10/26/2004 21:23	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/26/2004 21:23	
Naphthalene	ND	10	ug/Kg	1.00	10/26/2004 21:23	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Styrene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Toluene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	

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10/27/2004 11:47

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-R 11:5 Lab ID: 2004-10-0709-35  
Sampled: 10/21/2004 12:05 Extracted: 10/26/2004 21:23  
Matrix: Soil QC Batch#: 2004/10/26-0171  
Analysis Flag: I1 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Vinyl acetate	ND	50	ug/Kg	1.00	10/26/2004 21:23	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
Total xylenes	ND	5.0	ug/Kg	1.00	10/26/2004 21:23	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	161.9	74-121	%	1.00	10/26/2004 21:23	S4
1,2-Dichloroethane-d4	108.7	70-121	%	1.00	10/26/2004 21:23	
Toluene-d8	101.7	81-117	%	1.00	10/26/2004 21:23	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-S 11.5 Lab ID: 2004-10-0709 - 39  
 Sampled: 10/21/2004 13:05 Extracted: 10/26/2004 21:56  
 Matrix: Soil GC Batch#: 2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Acetone	ND	50	ug/Kg	1.00	10/26/2004 21:56	
Benzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Bromochloromethane	ND	20	ug/Kg	1.00	10/26/2004 21:56	
Bromoform	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Bromomethane	ND	10	ug/Kg	1.00	10/26/2004 21:56	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/26/2004 21:56	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
tert-Butylbenzene	5.6	5.0	ug/Kg	1.00	10/26/2004 21:56	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Chloroethane	ND	10	ug/Kg	1.00	10/26/2004 21:56	
Chloroform	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Chloromethane	ND	10	ug/Kg	1.00	10/26/2004 21:56	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/26/2004 21:56	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/26/2004 21:56	
Dibromomethane	ND	10	ug/Kg	1.00	10/26/2004 21:56	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/26/2004 21:56	

Severn Trent Laboratories, Inc.

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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5035 Test(s): 8260B  
 Sample ID: **BH-S 11.5** Lab ID: 2004-10-0709 - 39  
 Sampled: 10/21/2004 13:05 Extracted: 10/26/2004 21:56  
 Matrix: Soil QC Batch#: 2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
2-Hexanone	ND	50	ug/Kg	1.00	10/26/2004 21:56	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Methylene chloride	ND	10	ug/Kg	1.00	10/26/2004 21:56	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/26/2004 21:56	
Naphthalene	ND	10	ug/Kg	1.00	10/26/2004 21:56	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Styrene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Toluene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 21:56	

Severn Trent Laboratories, Inc.

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10/27/2004 11:47



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/25-01.71-059

Soil

Test(s): 8260B

QC Batch # 2004/10/25-01.71

Date Extracted: 10/25/2004 08:59

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	10/25/2004 08:59	
Acetone	ND	50	ug/Kg	10/25/2004 08:59	
Benzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Bromodichloromethane	ND	5.0	ug/Kg	10/25/2004 08:59	
Bromobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Bromochloromethane	ND	20	ug/Kg	10/25/2004 08:59	
Bromoform	ND	5.0	ug/Kg	10/25/2004 08:59	
Bromomethane	ND	10	ug/Kg	10/25/2004 08:59	
2-Butanone(MEK)	ND	50	ug/Kg	10/25/2004 08:59	
n-Butylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
sec-Butylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
tert-Butylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Carbon disulfide	ND	5.0	ug/Kg	10/25/2004 08:59	
Carbon tetrachloride	ND	5.0	ug/Kg	10/25/2004 08:59	
Chlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Chloroethane	ND	10	ug/Kg	10/25/2004 08:59	
Chloroform	ND	5.0	ug/Kg	10/25/2004 08:59	
Chloromethane	ND	10	ug/Kg	10/25/2004 08:59	
2-Chlorotoluene	ND	5.0	ug/Kg	10/25/2004 08:59	
4-Chlorotoluene	ND	5.0	ug/Kg	10/25/2004 08:59	
Dibromochloromethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,3-Dichloropropane	ND	5.0	ug/Kg	10/25/2004 08:59	
2,2-Dichloropropane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1-Dichloropropene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	10/25/2004 08:59	
1,2-Dibromoethane	ND	10	ug/Kg	10/25/2004 08:59	
Dibromomethane	ND	10	ug/Kg	10/25/2004 08:59	
Dichlorodifluoromethane	ND	10	ug/Kg	10/25/2004 08:59	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/25-01.71-059

Test(s): 8260B

Soil

QC Batch # 2004/10/25-01.71

Date Extracted: 10/25/2004 08:59

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2-Dichloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1-Dichloroethene	ND	5.0	ug/Kg	10/25/2004 08:59	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	10/25/2004 08:59	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2-Dichloropropane	ND	5.0	ug/Kg	10/25/2004 08:59	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	10/25/2004 08:59	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	10/25/2004 08:59	
Ethylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Hexachlorobutadiene	ND	5.0	ug/Kg	10/25/2004 08:59	
2-Hexanone	ND	50	ug/Kg	10/25/2004 08:59	
Isopropylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
p-Isopropyltoluene	ND	5.0	ug/Kg	10/25/2004 08:59	
Methylene chloride	ND	10	ug/Kg	10/25/2004 08:59	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	10/25/2004 08:59	
Naphthalene	ND	10	ug/Kg	10/25/2004 08:59	
n-Propylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Styrene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
Tetrachloroethene	ND	5.0	ug/Kg	10/25/2004 08:59	
Toluene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
Trichloroethene	ND	5.0	ug/Kg	10/25/2004 08:59	
Trichlorofluoromethane	ND	5.0	ug/Kg	10/25/2004 08:59	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	10/25/2004 08:59	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	10/25/2004 08:59	
Vinyl acetate	ND	50	ug/Kg	10/25/2004 08:59	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/25-01.71-059

Soil

Test(s): 8260B

QC Batch # 2004/10/25-01.71

Date Extracted: 10/25/2004 08:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	5.0	ug/Kg	10/25/2004 08:59	
Total xylenes	ND	5.0	ug/Kg	10/25/2004 08:59	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	94.2	74-121	%	10/25/2004 08:59	
1,2-Dichloroethane-d4	94.0	70-121	%	10/25/2004 08:59	
Toluene-d8	102.7	81-117	%	10/25/2004 08:59	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/26-01.71-010

Soil

Test(s): 8260B

QC Batch # 2004/10/26-01.71

Date Extracted: 10/26/2004 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	10/26/2004 09:10	
Acetone	ND	50	ug/Kg	10/26/2004 09:10	
Benzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Bromodichloromethane	ND	5.0	ug/Kg	10/26/2004 09:10	
Bromobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Bromochloromethane	ND	20	ug/Kg	10/26/2004 09:10	
Bromoform	ND	5.0	ug/Kg	10/26/2004 09:10	
Bromomethane	ND	10	ug/Kg	10/26/2004 09:10	
2-Butanone(MEK)	ND	50	ug/Kg	10/26/2004 09:10	
n-Butylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
sec-Butylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
tert-Butylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Carbon disulfide	ND	5.0	ug/Kg	10/26/2004 09:10	
Carbon tetrachloride	ND	5.0	ug/Kg	10/26/2004 09:10	
Chlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Chloroethane	ND	10	ug/Kg	10/26/2004 09:10	
Chloroform	ND	5.0	ug/Kg	10/26/2004 09:10	
Chloromethane	ND	10	ug/Kg	10/26/2004 09:10	
2-Chlorotoluene	ND	5.0	ug/Kg	10/26/2004 09:10	
4-Chlorotoluene	ND	5.0	ug/Kg	10/26/2004 09:10	
Dibromochloromethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,3-Dichloropropane	ND	5.0	ug/Kg	10/26/2004 09:10	
2,2-Dichloropropane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1-Dichloropropene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	10/26/2004 09:10	
1,2-Dibromoethane	ND	10	ug/Kg	10/26/2004 09:10	
Dibromomethane	ND	10	ug/Kg	10/26/2004 09:10	
Dichlorodifluoromethane	ND	10	ug/Kg	10/26/2004 09:10	
1,1-Dichloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	

Severn Trent Laboratories, Inc.

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10/27/2004 11:47



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/26-01.71-010

Test(s): 8260B

Soil

QC Batch # 2004/10/26-01.71

Date Extracted: 10/26/2004 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dichloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1-Dichloroethene	ND	5.0	ug/Kg	10/26/2004 09:10	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	10/26/2004 09:10	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2-Dichloropropane	ND	5.0	ug/Kg	10/26/2004 09:10	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	10/26/2004 09:10	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	10/26/2004 09:10	
Ethylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Hexachlorobutadiene	ND	5.0	ug/Kg	10/26/2004 09:10	
2-Hexanone	ND	50	ug/Kg	10/26/2004 09:10	
Isopropylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
p-Isopropyltoluene	ND	5.0	ug/Kg	10/26/2004 09:10	
Methylene chloride	ND	10	ug/Kg	10/26/2004 09:10	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	10/26/2004 09:10	
Naphthalene	ND	10	ug/Kg	10/26/2004 09:10	
n-Propylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Styrene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
Tetrachloroethene	ND	5.0	ug/Kg	10/26/2004 09:10	
Toluene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
Trichloroethene	ND	5.0	ug/Kg	10/26/2004 09:10	
Trichlorofluoromethane	ND	5.0	ug/Kg	10/26/2004 09:10	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Vinyl acetate	ND	50	ug/Kg	10/26/2004 09:10	
Vinyl chloride	ND	5.0	ug/Kg	10/26/2004 09:10	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/26-01.71-010

Soil

Test(s): 8260B

QC Batch # 2004/10/26-01.71

Date Extracted: 10/26/2004 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Total xylenes	ND	5.0	ug/Kg	10/26/2004 09:10	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	96.8	74-121	%	10/26/2004 09:10	
1,2-Dichloroethane-d4	101.4	70-121	%	10/26/2004 09:10	
Toluene-d8	94.7	81-117	%	10/26/2004 09:10	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/10/25-01.71

LCS 2004/10/25-01.71-026

Extracted: 10/25/2004

Analyzed: 10/25/2004 08:26

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	104		100.0	104.0			69-129	20		
Chlorobenzene	114		100.0	114.0			61-121	20		
1,1-Dichloroethene	108		100.0	108.0			65-125	20		
Toluene	112		100.0	112.0			70-130	20		
Trichloroethene	108		100.0	108.0			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	486		500	97.2			74-121			
1,2-Dichloroethane-d4	475		500	95.0			70-121			
Toluene-d8	508		500	101.6			81-117			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/10/26-01.71

LCS 2004/10/26-01.71-037

Extracted: 10/26/2004

Analyzed: 10/26/2004 08:37

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	95.2		100.0	95.2			69-129	20		
Chlorobenzene	106		100.0	106.0			61-121	20		
1,1-Dichloroethene	101		100.0	101.0			65-125	20		
Toluene	100		100.0	100.0			70-130	20		
Trichloroethene	97.1		100.0	97.1			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	481		500	96.2			74-121			
1,2-Dichloroethane-d4	500		500	100.0			70-121			
Toluene-d8	465		500	93.0			81-117			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2004/10/25-01.71**

MS/MSD

Lab ID: 2004-10-0678 - 004

MS: 2004/10/25-01.71-052

Extracted: 10/25/2004

Analyzed: 10/25/2004 14:52

Dilution: 1.00

MSD: 2004/10/25-01.71-060

Extracted: 10/25/2004

Analyzed: 10/25/2004 15:26

Dilution: 1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	88.2	91.1	ND	96.0	91.9	94.2	2.5	69-129	20		
Chlorobenzene	94.4	95.0	ND	96.0	98.3	98.2	0.1	61-121	20		
1,1-Dichloroethene	94.2	96.2	ND	96.0	98.1	99.5	1.4	65-125	20		
Toluene	90.2	94.6	ND	96.0	94.0	97.8	4.0	70-130	20		
Trichloroethene	91.3	92.2	ND	96.0	95.1	95.3	0.2	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	477	464		500	95.5	92.8		74-121			
1,2-Dichloroethane-d4	530	499		500	105.9	99.8		70-121			
Toluene-d8	494	502		500	98.8	100.4		81-117			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2004/10/26-01.71**

**MS/MSD**

Lab ID: 2004-10-0750 - 017

MS: 2004/10/26-01.71-014

Extracted: 10/26/2004

Analyzed: 10/26/2004 15:14

Dilution: 1.00

MSD: 2004/10/26-01.71-048

Extracted: 10/26/2004

Analyzed: 10/26/2004 15:48

Dilution: 1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	93.6	88.2	ND	95.2	98.3	96.2	2.2	69-129	20		
Chlorobenzene	70.5	62.9	ND	95.2	74.1	68.6	7.7	61-121	20		
1,1-Dichloroethene	103	98.4	ND	95.2	108.2	107.3	0.8	65-125	20		
Toluene	91.8	88.1	ND	95.2	96.4	96.1	0.3	70-130	20		
Trichloroethene	94.3	87.2	ND	95.2	99.1	95.1	4.1	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	317	423		500	63.3	84.6		74-121		S6	
1,2-Dichloroethane-d4	594	574		500	118.8	114.7		70-121			
Toluene-d8	502	492		500	100.4	98.4		81-117			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 11:47

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

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**Legend and Notes**

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**Analysis Flag**

I1

\*-\*Internal standard out of range.

**Result Flag**

S4

\*-\*Surrogate recovery was higher than QC limit due to matrix interference.

S6

\*-\*Surrogate recoveries lower than acceptance limits.

MINERAL  
SPIRITS

**2004-10-0709** Date 10/21/04 Page 1 of 5

Report To \_\_\_\_\_ Analysis Request

Attn: ROB KINAY  
Company: AQUA SCIENCE  
Address: 208 W 67th St, PMDC, Cambridge  
Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
Bill To: \_\_\_\_\_ Sampled By: PH  
Attn: \_\_\_\_\_ Phone: \_\_\_\_\_

Sample ID	Date	Time	Mat. tx.	Fres. av.	TPH EPA - <input type="checkbox"/> 8260 <input type="checkbox"/> 8268 <input type="checkbox"/> 8269	Purgeable Aromatics BTX EPA - <input type="checkbox"/> BTX <input type="checkbox"/> MTB	TEPH EPA 8015A* <input checked="" type="checkbox"/> Silica Gel <input type="checkbox"/> Direct <input type="checkbox"/> Mohr Dist. <input type="checkbox"/> Other	Pet. Treas EPA 8260 <input type="checkbox"/> Gas <input type="checkbox"/> BTX <input type="checkbox"/> Pva Organics <input type="checkbox"/> UCA <input type="checkbox"/> E605 <input type="checkbox"/> Ethanol	Purgeable Halocarbons (HVOCS) EPA 8021 by 8260	Volatile Organics GC/MS (VOCs) EPA 8260B <input type="checkbox"/> 824	Semivolatile GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 825	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Telsol	Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 <input type="checkbox"/> PCPs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 609	PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAMI7 Metals (EPA 50107/701/71)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LIFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other	Low Level Metals by EPA 200.9/209 (ICP-MS)	WET (STC) <input type="checkbox"/> TCLP	Hexavalent Chromium pH (24h hold time for HCl)	Spec Cond <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS <input type="checkbox"/>	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>	Number of Containers		
BH-K 3.5'	10/20/04	1330	S																					
BH-K 7.5'		1334																						
BH-K 11.5'		1342																						
BH-K 15.5'		1400					X			X														
BH-K 19.5'		1406																						
BH-L 3.5'		1440																						
BH-L 11.5'		1452																						
BH-L 15.5'		1502																						
BH-L 19.5'		1515					X			X														
BH-L 23.5'		1534																						

Handwritten: held

Handwritten: XX  
XX  
XX  
XX  
XX  
XX  
XX  
XX  
XX  
XX

Project Info					Sample Receipt											
Project Name: <u>K2202</u>					# of Containers: _____											
Project#: _____					Head Space: _____											
PO#: _____					Temp: <u>2°C</u>											
Credit Card#: _____					Confirms to record: _____											
T	A	T	Day	72h	48h	24h	Other	1) Relinquished by: Signature: <u>[Signature]</u> Time: <u>1415</u> Printed Name: <u>DAMIAN KRACOR</u> Date: <u>10/21/04</u> Company: <u>ASE</u>			2) Relinquished by: Signature: <u>[Signature]</u> Time: <u>1605</u> Printed Name: <u>Paul Goodfader</u> Date: <u>10/21/04</u> Company: <u>STL</u>			3) Relinquished by: Signature: _____ Time: _____ Printed Name: _____ Date: _____ Company: _____		
Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDO <input type="checkbox"/> State Tank Fund EDF Special Instructions / Comments: _____								1) Received by: Signature: <u>[Signature]</u> Time: <u>1415</u> Printed Name: <u>Paul Goodfader</u> Date: <u>10/21/04</u> Company: <u>STL</u>			2) Received by: Signature: <u>[Signature]</u> Time: <u>1805</u> Printed Name: <u>T. B. Hoare</u> Date: <u>10/21/04</u> Company: <u>STL-SF</u>			3) Received by: Signature: _____ Time: _____ Printed Name: _____ Date: _____ Company: _____		

\*STL-SF reports SO<sub>4</sub> from C<sub>2</sub>-C<sub>24</sub> (industry norm). Default for SO<sub>4</sub> is C<sub>12</sub>-C<sub>16</sub>



SEVERN  
TRENT

STL

STL San Francisco Chain of Custody  
1220 Quarry Lane • Pleasanton CA 94566-4756  
Phone: (925) 484-1919 • Fax: (925) 484-1096

Reference #

94962

Date 10/21/04 Page 2 of 5

Minerals  
SPIRITS

2004-10-0709

Report To

Attn: ROR KITAY

Company: AQUA SCIENCE LABORERS

Address: 205 W. 22. PIERCE CANILL

Phone: Email:

Bill To: Sampled By: DH

Attn: Phone:

Analysis Request

Sample ID	Date	Time	Mot rix	Pres erv.	TPH EPA - <input type="checkbox"/> 801621 <input type="checkbox"/> 82600 <input type="checkbox"/> Cas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE	Purgeable Aromatics BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 82600	TEPH EPA 801621 <input type="checkbox"/> Stage Col <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	Fuel Tests EPA 82600: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Fire Opacities <input type="checkbox"/> DCA <input type="checkbox"/> EBS <input type="checkbox"/> Etherol	Purgeable Heteroatoms (HVOCS) EPA 8021 by 82600	Volatile Organics GC/MS (VOCs) EPA 8260B <input type="checkbox"/> 624	Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 625	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1064) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 808 PCBs <input type="checkbox"/> EPA 8092 <input type="checkbox"/> 808	PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAN17 Metals (EPA 601074707471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> PCBs <input type="checkbox"/> Other:	Low Level Metals by EPA 200 86020 (ICP-MS): <input type="checkbox"/> WEL (STLC) <input type="checkbox"/> TCLP	Hexavalent Chromium pH (24h hold time for H2O)	Spec Cond. <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS <input type="checkbox"/>	Arbans <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>	Number of Containers		
BH-M	3.5'	10/21/04	1615	S																			
	7.5'		1616																				
	11.5'		1625			X																X	
	15.5'		1640																			X	
BH-N	3.5'	10/21/04	0810																			X	
	7.5'		0812																			X	
	11.5'		0817			X																X	
	15.5'		0825																			X	
BH-O	3.5'		0845																			X	
	8.5'		0850																			X	

Handwritten: HRO

Project Info.

Sample Receipt

Project Name: K0202 # of Containers:

Project#: Head Space:

PO#: Temp: 2°C

Credit Card#: Conforms to record:

T A T 72h 48h 24h Other:

Report: Routine  Level 3  Level 4  EDD  State Tank Pura EDP  Special Instructions / Comments:  Global ID

1) Relinquished by: [Signature] 1415  
Signature: [Signature] Time: 1415  
Printed Name: DAMIAN HRODZKO Date: 10/21/04  
Company: ASE

2) Relinquished by: [Signature] 1405  
Signature: [Signature] Time: 1405  
Printed Name: Paul Goodfader Date: 10/21/04  
Company: STL

3) Relinquished by:  
Signature: \_\_\_\_\_ Time: \_\_\_\_\_  
Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Company: \_\_\_\_\_

1) Received by: [Signature] 1415  
Signature: [Signature] Time: 1415  
Printed Name: Paul Goodfader Date: 10/21/04  
Company: STL

2) Received by: [Signature] 1405  
Signature: [Signature] Time: 1405  
Printed Name: T. Ballack Date: 10/21/04  
Company: STL-SF

3) Received by:  
Signature: \_\_\_\_\_ Time: \_\_\_\_\_  
Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Company: \_\_\_\_\_

\*STL SF reports 8016M from C<sub>2</sub>-C<sub>4</sub> (industry norm). Default for 8015B is C<sub>2</sub>-C<sub>4</sub>.



*MINERALS  
SPECIALS*

STL San Francisco Chain of Custody  
1220 Quarry Lane • Pleasanton CA 94566-4756  
Phone: (925) 484-1919 • Fax: (925) 484-1096  
E-mail: [stl@stl.com](mailto:stl@stl.com)

Reference #:

94962

Date: 10/2/04 Page 4 of 5

2004-10-0709

Report To Analysis Request

Attn: **ROB VITAY**  
 Company: **ACWA SCIENCE**  
 Address: **208 W. EL PINADO**  
 Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
 Bill To: \_\_\_\_\_ Sampled By: **PH**  
 Attn: \_\_\_\_\_ Phone: \_\_\_\_\_

Sample ID	Date	Time	Mat rtk	Pres. sv.	TPH EPA - <input type="checkbox"/> 8260 <input type="checkbox"/> 8260B	Purgeable Aromatics BTX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 8260B	TEPH EPA 8015M* <input checked="" type="checkbox"/> Silica Gel <input type="checkbox"/> Distillate Motor Oil <input type="checkbox"/> Other	Fuel Tests EPA 8260 - <input type="checkbox"/> Gas <input type="checkbox"/> BTX <input type="checkbox"/> Fluor. Oxygenates D.D.C.A. 600 <input type="checkbox"/> Ethanol	Purgeable Halocarbons (HVOCS) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) EPA 8260B <input type="checkbox"/> 824	Semivolatile GC/MS EPA 8270 <input type="checkbox"/> 825	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	Pesticide EPA 8001 <input type="checkbox"/> 808 PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 808	PAHs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAN17 Metals (EPA 8017/07/471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	Low Level Metals by EPA 200.86920 (ICP-MS):	<input type="checkbox"/> VLE7 (STLC) <input type="checkbox"/> TCLP	Hexavalent Chromium pH (24h hold time for H <sub>2</sub> O)	Spec. Cond. <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> YDS <input type="checkbox"/>	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>	Number of Containers			
BH-0	11.5'	10/2/04	1060																						
* BH-0	15.5'		1053																						
BH-RK	3.5'		1140																						
BH-R	6.5'		1145																						
BH-R	11.5'		1205				X			X															
BH-R	15.5'		1215																						
BH-RS	3'		1252																						
BH-RS	7.5'		1257																						
BH-S	11.5'		1305				X			X															

Project Info.	Sample Receipt	1) Requisitioned by:	2) Requisitioned by:	3) Requisitioned by:
Project Name: <b>V2002</b>	# of Containers:	<b>OK</b> 1415	<b>Paul Goodfader</b> 10/2/04	
Project#:	Head Space:	Signature: _____ Time: _____	Signature: _____ Time: _____	Signature: _____ Time: _____
PO#:	Temp: <b>2°C</b>	Printed Name: <b>ASE</b> Date: _____	Printed Name: <b>Paul Goodfader</b> Date: <b>10/2/04</b>	Printed Name: _____ Date: _____
Credit Card#:	Confirms to record:	Company: _____	Company: <b>STL</b>	Company: _____
T A T	<input checked="" type="checkbox"/> Day <input type="checkbox"/> 72h <input type="checkbox"/> 49h <input type="checkbox"/> 24h Other:	1) Received by: <b>Paul Goodfader</b> 1415	2) Received by: <b>Paul Goodfader</b> 1805	3) Received by:
Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Fund EOF	Special Instructions / Comments:	Signature: _____ Time: _____	Signature: _____ Time: _____	Signature: _____ Time: _____
		Printed Name: <b>Paul Goodfader</b> Date: <b>10/2/04</b>	Printed Name: <b>T. Bullock</b> Date: <b>10/2/04</b>	Printed Name: _____ Date: _____
		Company: <b>STL</b>	Company: <b>STL-SF</b>	Company: _____

\*STL SF reports 8015M from C<sub>1</sub>-C<sub>2</sub> (Industry norm) Default for 8015B is C<sub>1</sub>-C<sub>2</sub>



**Aqua Science Engineers, Inc.**

November 02, 2004

208 West El Pintado Road  
Danville, CA 94526  
Attn.: Robert Kitay  
Project: Kozel

Dear Mr. Kitay,

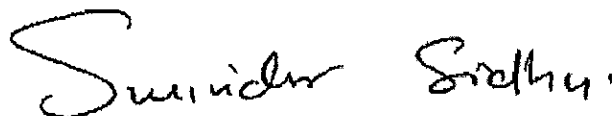
Attached is our report for your samples received on 10/21/2004 18:05  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
12/05/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,  
please call me at (925) 484-1919.

You can also contact me via email. My email address is: [ssidhu@stl-inc.com](mailto:ssidhu@stl-inc.com)

Sincerely,



Surinder Sidhu  
Project Manager

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-K	10/20/2004 14:11	Water	1
BH-L	10/20/2004 15:40	Water	2
BH-M	10/20/2004 16:50	Water	3
BH-N	10/21/2004 08:34	Water	4
BH-O	10/21/2004 10:20	Water	5
BH-P	10/21/2004 09:25	Water	6
BH-Q	10/21/2004 11:10	Water	7
BH-R	10/21/2004 12:25	Water	8

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 16:51

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: BH-K	Lab ID: 2004-10-0710 - 1
Sampled: 10/20/2004 14:11	Extracted: 10/25/2004 05:26
Matrix: Water	QC Batch#: 2004/10/25-01:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	1300	500	ug/L	10.00	10/25/2004 20:01	
<b>Surrogate(s)</b> o-Terphenyl	NA	60-130	%	10.00	10/25/2004 20:01	S6

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	<b>BH-L</b>	Lab ID:	2004-10-0710 - 2
Sampled:	10/20/2004 15:40	Extracted:	10/25/2004 05:26
Matrix:	Water	QC Batch#:	2004/10/25-01-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	ND	50	ug/L	1.00	10/25/2004 17:17	
<b>Surrogate(s)</b>						
o-Terphenyl	76.0	60-130	%	1.00	10/25/2004 17:17	



**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	BH-M	Lab ID:	2004-10-0710 - 3
Sampled:	10/20/2004 16:50	Extracted:	10/25/2004 05:26
Matrix:	Water	QC Batch#:	2004/10/25-01,10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	72	50	ug/L	1.00	10/25/2004 17:44	
<b>Surrogate(s)</b> o-Terphenyl	83.5	60-130	%	1.00	10/25/2004 17:44	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: BH-N	Lab ID: 2004-10-0710 - 4
Sampled: 10/21/2004 08:34	Extracted: 10/25/2004 05:26
Matrix: Water	QC Batch#: 2004/10/25-01-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	ND	50	ug/L	1.00	10/26/2004 13:16	
<i>Surrogate(s)</i>						
o-Terphenyl	91.6	60-130	%	1.00	10/26/2004 13:16	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	BH-O	Lab ID:	2004-10-0710 - 5
Sampled:	10/21/2004 10:20	Extracted:	10/25/2004 05:26
Matrix:	Water	QC Batch#:	2004/10/25-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	ND	50	ug/L	1.00	10/25/2004 18:11	
<b>Surrogate(s)</b>						
o-Terphenyl	82.7	60-130	%	1.00	10/25/2004 18:11	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: <b>BH-P</b>	Lab ID: 2004-10-0710 - 6
Sampled: 10/21/2004 09:25	Extracted: 10/25/2004 05:26
Matrix: Water	QC Batch#: 2004/10/25-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	690	50	ug/L	1.00	10/25/2004 18:39	
<b>Surrogate(s)</b>						
o-Terphenyl	69.5	60-130	%	1.00	10/25/2004 18:39	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

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Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: BH-Q	Lab ID: 2004-10-0710-7
Sampled: 10/21/2004 11:10	Extracted: 10/25/2004 05:26
Matrix: Water	QC Batch#: 2004/10/25-01:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	110000	5000	ug/L	100.00	10/26/2004 12:21	
<i>Surrogate(s)</i>						
o-Terphenyl	NA	60-130	%	100.00	10/26/2004 12:21	S3

TEPH w/ Silica Gel Clean-up

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: BH-R	Lab ID: 2004-10-0710-8
Sampled: 10/21/2004 12:25	Extracted: 10/25/2004 05:26
Matrix: Water	QC Batch#: 2004/10/25-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	880000	25000	ug/L	500.00	10/26/2004 12:21	
<b>Surrogate(s)</b>						
o-Terphenyl	NA	60-130	%	500.00	10/26/2004 12:21	S3

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 16:51

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

Method Blank

Water

QC Batch # 2004/10/25-01.10

MB: 2004/10/25-01.10-001

Date Extracted: 10/25/2004 05:26

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/25/2004 18:18	
Mineral spirits	ND	50	ug/L	10/25/2004 18:18	
<b>Surrogates(s)</b>					
o-Terphenyl	81.2	60-130	%	10/25/2004 18:18	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 16:51

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/10/25-01.10**

LCS 2004/10/25-01.10-002

Extracted: 10/25/2004

Analyzed: 10/25/2004 12:24

LCSD 2004/10/25-01.10-003

Extracted: 10/25/2004

Analyzed: 10/25/2004 12:51

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	672	691	1000	67.2	69.1	2.8	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	15.9	15.8	20.0	79.4	79.2		60-130	0		



TEPH w/ Silica Gel Clean-up

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

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Legend and Notes

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**Result Flag**

S3

Surrogate recovery not reportable due to required dilution.

S6

Surrogate recoveries lower than acceptance limits.

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 16:51

Page 12 of 12

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-K	10/20/2004 14:11	Water	1
BH-L	10/20/2004 15:40	Water	2
BH-M	10/20/2004 16:50	Water	3
BH-N	10/21/2004 08:34	Water	4
BH-O	10/21/2004 10:20	Water	5
BH-P	10/21/2004 09:25	Water	6
BH-Q	10/21/2004 11:10	Water	7
BH-R	10/21/2004 12:25	Water	8

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853  
Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-K Lab ID: 2004-10-0710 - 1  
Sampled: 10/20/2004 14:11 Extracted: 10/26/2004 23:23  
Matrix: Water QC Batch#: 2004/10/26-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/26/2004 23:23	
Acetone	ND	50	ug/L	1.00	10/26/2004 23:23	
Benzene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Bromobenzene	ND	1.0	ug/L	1.00	10/26/2004 23:23	
Bromochloromethane	ND	1.0	ug/L	1.00	10/26/2004 23:23	
Bromoform	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Bromomethane	ND	1.0	ug/L	1.00	10/26/2004 23:23	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/26/2004 23:23	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/26/2004 23:23	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/26/2004 23:23	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/26/2004 23:23	
Carbon disulfide	ND	5.0	ug/L	1.00	10/26/2004 23:23	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Chlorobenzene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Chloroethane	ND	1.0	ug/L	1.00	10/26/2004 23:23	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/26/2004 23:23	
Chloroform	ND	1.0	ug/L	1.00	10/26/2004 23:23	
Chloromethane	ND	1.0	ug/L	1.00	10/26/2004 23:23	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/26/2004 23:23	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,1-Dichloropropane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/26/2004 23:23	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Dibromomethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	

Sewern Trent Laboratories, Inc.

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-K Lab ID: 2004-10-0710 - 1  
Sampled: 10/20/2004 14:11 Extracted: 10/26/2004 23:23  
Matrix: Water QC Batch#: 2004/10/26-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Ethylbenzene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/26/2004 23:23	
2-Hexanone	ND	50	ug/L	1.00	10/26/2004 23:23	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/26/2004 23:23	
Methylene chloride	ND	5.0	ug/L	1.00	10/26/2004 23:23	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/26/2004 23:23	
Naphthalene	ND	1.0	ug/L	1.00	10/26/2004 23:23	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/26/2004 23:23	
Styrene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Toluene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/26/2004 23:23	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/26/2004 23:23	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Trichloroethene	ND	0.50	ug/L	1.00	10/26/2004 23:23	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/26/2004 23:23	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/26/2004 23:23	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/26/2004 23:23	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-L Lab ID: 2004-10-0710 - 2  
Sampled: 10/20/2004 15:40 Extracted: 10/26/2004 23:56  
Matrix: Water QC Batch#: 2004/10/26-0170

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/26/2004 23:56	
Acetone	ND	50	ug/L	1.00	10/26/2004 23:56	
Benzene	ND	0.50	ug/L	1.00	10/26/2004 23:56	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/26/2004 23:56	
Bromobenzene	ND	1.0	ug/L	1.00	10/26/2004 23:56	
Bromochloromethane	ND	1.0	ug/L	1.00	10/26/2004 23:56	
Bromoform	ND	0.50	ug/L	1.00	10/26/2004 23:56	
Bromomethane	ND	1.0	ug/L	1.00	10/26/2004 23:56	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/26/2004 23:56	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/26/2004 23:56	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/26/2004 23:56	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/26/2004 23:56	
Carbon disulfide	ND	5.0	ug/L	1.00	10/26/2004 23:56	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/26/2004 23:56	
Chlorobenzene	ND	0.50	ug/L	1.00	10/26/2004 23:56	
Chloroethane	ND	1.0	ug/L	1.00	10/26/2004 23:56	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/26/2004 23:56	
Chloroform	ND	1.0	ug/L	1.00	10/26/2004 23:56	
Chloromethane	ND	1.0	ug/L	1.00	10/26/2004 23:56	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/26/2004 23:56	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/26/2004 23:56	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/26/2004 23:56	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/26/2004 23:56	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/26/2004 23:56	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/26/2004 23:56	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/26/2004 23:56	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/26/2004 23:56	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/26/2004 23:56	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/26/2004 23:56	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/26/2004 23:56	
Dibromomethane	ND	0.50	ug/L	1.00	10/26/2004 23:56	



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-L	Lab ID:	2004-10-0710 - 2
Sampled:	10/20/2004 15:40	Extracted:	10/26/2004 23:56
Matrix:	Water	QC Batch#:	2004/10/26-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/26/2004 23:56	
Vinyl acetate	ND	25	ug/L	1.00	10/26/2004 23:56	
Vinyl chloride	ND	0.50	ug/L	1.00	10/26/2004 23:56	
Total xylenes	ND	1.0	ug/L	1.00	10/26/2004 23:56	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	92.1	79-118	%	1.00	10/26/2004 23:56	
1,2-Dichloroethane-d4	98.1	78-117	%	1.00	10/26/2004 23:56	
Toluene-d8	90.2	77-121	%	1.00	10/26/2004 23:56	



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-M Lab ID: 2004-10-0710 - 3  
Sampled: 10/20/2004 16:50 Extracted: 10/27/2004 00:29  
Matrix: Water QC Batch#: 2004/10/26-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/27/2004 00:29	
Acetone	ND	50	ug/L	1.00	10/27/2004 00:29	
Benzene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Bromobenzene	ND	1.0	ug/L	1.00	10/27/2004 00:29	
Bromochloromethane	ND	1.0	ug/L	1.00	10/27/2004 00:29	
Bromoform	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Bromomethane	ND	1.0	ug/L	1.00	10/27/2004 00:29	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/27/2004 00:29	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 00:29	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 00:29	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 00:29	
Carbon disulfide	ND	5.0	ug/L	1.00	10/27/2004 00:29	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Chlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Chloroethane	ND	1.0	ug/L	1.00	10/27/2004 00:29	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/27/2004 00:29	
Chloroform	ND	1.0	ug/L	1.00	10/27/2004 00:29	
Chloromethane	ND	1.0	ug/L	1.00	10/27/2004 00:29	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/27/2004 00:29	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/27/2004 00:29	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Dibromomethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-M Lab ID: 2004-10-0710-3  
Sampled: 10/20/2004 16:50 Extracted: 10/27/2004 00:29  
Matrix: Water QC Batch#: 2004/10/26-01-70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Ethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/27/2004 00:29	
2-Hexanone	ND	50	ug/L	1.00	10/27/2004 00:29	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/27/2004 00:29	
Methylene chloride	ND	5.0	ug/L	1.00	10/27/2004 00:29	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/27/2004 00:29	
Naphthalene	ND	1.0	ug/L	1.00	10/27/2004 00:29	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/27/2004 00:29	
Styrene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Toluene	0.64	0.50	ug/L	1.00	10/27/2004 00:29	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 00:29	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 00:29	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Trichloroethene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/27/2004 00:29	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/27/2004 00:29	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 00:29	

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-M Lab ID: 2004-10-0710 - 3  
Sampled: 10/20/2004 16:50 Extracted: 10/27/2004 00:29  
Matrix: Water QC Batch#: 2004/10/26-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Vinyl acetate	ND	25	ug/L	1.00	10/27/2004 00:29	
Vinyl chloride	ND	0.50	ug/L	1.00	10/27/2004 00:29	
Total xylenes	ND	1.0	ug/L	1.00	10/27/2004 00:29	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	93.8	79-118	%	1.00	10/27/2004 00:29	
1,2-Dichloroethane-d4	99.0	78-117	%	1.00	10/27/2004 00:29	
Toluene-d8	90.5	77-121	%	1.00	10/27/2004 00:29	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-N	Lab ID:	2004-10-0710 - 4
Sampled:	10/21/2004 08:34	Extracted:	10/27/2004 01:02
Matrix:	Water	QC Batch#:	2004/10/26-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/27/2004 01:02	
Acetone	ND	50	ug/L	1.00	10/27/2004 01:02	
Benzene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Bromobenzene	ND	1.0	ug/L	1.00	10/27/2004 01:02	
Bromochloromethane	ND	1.0	ug/L	1.00	10/27/2004 01:02	
Bromoform	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Bromomethane	ND	1.0	ug/L	1.00	10/27/2004 01:02	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/27/2004 01:02	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 01:02	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 01:02	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 01:02	
Carbon disulfide	ND	5.0	ug/L	1.00	10/27/2004 01:02	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Chlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Chloroethane	ND	1.0	ug/L	1.00	10/27/2004 01:02	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/27/2004 01:02	
Chloroform	ND	1.0	ug/L	1.00	10/27/2004 01:02	
Chloromethane	ND	1.0	ug/L	1.00	10/27/2004 01:02	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/27/2004 01:02	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/27/2004 01:02	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Dibromomethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-N Lab ID: 2004-10-0710 - 4  
Sampled: 10/21/2004 08:34 Extracted: 10/27/2004 01:02  
Matrix: Water QC Batch#: 2004/10/26-01-70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Ethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/27/2004 01:02	
2-Hexanone	ND	50	ug/L	1.00	10/27/2004 01:02	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/27/2004 01:02	
Methylene chloride	ND	5.0	ug/L	1.00	10/27/2004 01:02	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/27/2004 01:02	
Naphthalene	ND	1.0	ug/L	1.00	10/27/2004 01:02	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/27/2004 01:02	
Styrene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Toluene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 01:02	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 01:02	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Trichloroethene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/27/2004 01:02	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/27/2004 01:02	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 01:02	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-N	Lab ID:	2004-10-0710 - 4
Sampled:	10/21/2004 08:34	Extracted:	10/27/2004 01:02
Matrix:	Water	QC Batch#:	2004/10/26-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Vinyl acetate	ND	25	ug/L	1.00	10/27/2004 01:02	
Vinyl chloride	ND	0.50	ug/L	1.00	10/27/2004 01:02	
Total xylenes	ND	1.0	ug/L	1.00	10/27/2004 01:02	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	88.4	79-118	%	1.00	10/27/2004 01:02	
1,2-Dichloroethane-d4	97.9	78-117	%	1.00	10/27/2004 01:02	
Toluene-d8	90.6	77-121	%	1.00	10/27/2004 01:02	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-O Lab ID: 2004-10-0710 - 5  
Sampled: 10/21/2004 10:20 Extracted: 10/30/2004 15:36  
Matrix: Water QC Batch#: 2004/10/30-01-06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/30/2004 15:36	
Acetone	ND	50	ug/L	1.00	10/30/2004 15:36	
Benzene	1.6	0.50	ug/L	1.00	10/30/2004 15:36	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Bromobenzene	ND	1.0	ug/L	1.00	10/30/2004 15:36	
Bromochloromethane	ND	1.0	ug/L	1.00	10/30/2004 15:36	
Bromoform	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Bromomethane	ND	1.0	ug/L	1.00	10/30/2004 15:36	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/30/2004 15:36	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/30/2004 15:36	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/30/2004 15:36	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/30/2004 15:36	
Carbon disulfide	ND	5.0	ug/L	1.00	10/30/2004 15:36	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Chlorobenzene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Chloroethane	ND	1.0	ug/L	1.00	10/30/2004 15:36	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/30/2004 15:36	
Chloroform	ND	1.0	ug/L	1.00	10/30/2004 15:36	
Chloromethane	ND	1.0	ug/L	1.00	10/30/2004 15:36	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/30/2004 15:36	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/30/2004 15:36	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Dibromomethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	

Severn Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-O Lab ID: 2004-10-0710 - 5  
Sampled: 10/21/2004 10:20 Extracted: 10/30/2004 15:36  
Matrix: Water QC Batch#: 2004/10/30-01:06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Ethylbenzene	2.4	0.50	ug/L	1.00	10/30/2004 15:36	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/30/2004 15:36	
2-Hexanone	ND	50	ug/L	1.00	10/30/2004 15:36	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/30/2004 15:36	
Methylene chloride	ND	5.0	ug/L	1.00	10/30/2004 15:36	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/30/2004 15:36	
Naphthalene	ND	1.0	ug/L	1.00	10/30/2004 15:36	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/30/2004 15:36	
Styrene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Toluene	26	0.50	ug/L	1.00	10/30/2004 15:36	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/30/2004 15:36	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/30/2004 15:36	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Trichloroethene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/30/2004 15:36	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/30/2004 15:36	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/30/2004 15:36	



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
 Sample ID: BH-O Lab ID: 2004-10-0710 - 5  
 Sampled: 10/21/2004 10:20 Extracted: 10/30/2004 15:36  
 Matrix: Water QC Batch#: 2004/10/30-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Vinyl acetate	ND	25	ug/L	1.00	10/30/2004 15:36	
Vinyl chloride	ND	0.50	ug/L	1.00	10/30/2004 15:36	
Total xylenes	13	1.0	ug/L	1.00	10/30/2004 15:36	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	94.3	79-118	%	1.00	10/30/2004 15:36	
1,2-Dichloroethane-d4	90.4	78-117	%	1.00	10/30/2004 15:36	
Toluene-d8	92.9	77-121	%	1.00	10/30/2004 15:36	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-P Lab ID: 2004-10-0710 - 6  
Sampled: 10/21/2004 09:25 Extracted: 10/30/2004 16:11  
Matrix: Water QC Batch#: 2004/10/30-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/30/2004 16:11	
Acetone	ND	50	ug/L	1.00	10/30/2004 16:11	
Benzene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Bromobenzene	ND	1.0	ug/L	1.00	10/30/2004 16:11	
Bromochloromethane	ND	1.0	ug/L	1.00	10/30/2004 16:11	
Bromoform	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Bromomethane	ND	1.0	ug/L	1.00	10/30/2004 16:11	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/30/2004 16:11	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/30/2004 16:11	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/30/2004 16:11	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/30/2004 16:11	
Carbon disulfide	ND	5.0	ug/L	1.00	10/30/2004 16:11	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Chlorobenzene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Chloroethane	ND	1.0	ug/L	1.00	10/30/2004 16:11	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/30/2004 16:11	
Chloroform	ND	1.0	ug/L	1.00	10/30/2004 16:11	
Chloromethane	ND	1.0	ug/L	1.00	10/30/2004 16:11	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/30/2004 16:11	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/30/2004 16:11	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Dibromomethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	

Sewern Trent Laboratories, Inc.

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B      Test(s): 8260B  
Sample ID: BH-P      Lab ID: 2004-10-0710 - 6  
Sampled: 10/21/2004 09:25      Extracted: 10/30/2004 16:11  
Matrix: Water      QC Batch#: 2004/10/30-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Ethylbenzene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/30/2004 16:11	
2-Hexanone	ND	50	ug/L	1.00	10/30/2004 16:11	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/30/2004 16:11	
Methylene chloride	ND	5.0	ug/L	1.00	10/30/2004 16:11	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/30/2004 16:11	
Naphthalene	ND	1.0	ug/L	1.00	10/30/2004 16:11	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/30/2004 16:11	
Styrene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Toluene	0.57	0.50	ug/L	1.00	10/30/2004 16:11	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/30/2004 16:11	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/30/2004 16:11	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Trichloroethene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/30/2004 16:11	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/30/2004 16:11	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/30/2004 16:11	

Sewern Trent Laboratories, Inc.

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
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Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-P Lab ID: 2004-10-0710-6  
Sampled: 10/21/2004 09:25 Extracted: 10/30/2004 16:11  
Matrix: Water QC Batch#: 2004/10/30-01:06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Vinyl acetate	ND	25	ug/L	1.00	10/30/2004 16:11	
Vinyl chloride	ND	0.50	ug/L	1.00	10/30/2004 16:11	
Total xylenes	ND	1.0	ug/L	1.00	10/30/2004 16:11	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	91.4	79-118	%	1.00	10/30/2004 16:11	
1,2-Dichloroethane-d4	93.6	78-117	%	1.00	10/30/2004 16:11	
Toluene-d8	95.0	77-121	%	1.00	10/30/2004 16:11	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-Q Lab ID: 2004-10-0710 - 7  
Sampled: 10/21/2004 11:10 Extracted: 10/27/2004 08:41  
Matrix: Water QC Batch#: 2004/10/27-01-71  
Analysis Flag: L1 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	20	ug/L	4.00	10/27/2004 08:41	
Acetone	ND	200	ug/L	4.00	10/27/2004 08:41	
Benzene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Bromodichloromethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Bromobenzene	ND	4.0	ug/L	4.00	10/27/2004 08:41	
Bromochloromethane	ND	4.0	ug/L	4.00	10/27/2004 08:41	
Bromoform	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Bromomethane	ND	4.0	ug/L	4.00	10/27/2004 08:41	
2-Butanone(MEK)	ND	200	ug/L	4.00	10/27/2004 08:41	
n-Butylbenzene	ND	4.0	ug/L	4.00	10/27/2004 08:41	
sec-Butylbenzene	ND	4.0	ug/L	4.00	10/27/2004 08:41	
tert-Butylbenzene	6.1	4.0	ug/L	4.00	10/27/2004 08:41	
Carbon disulfide	ND	20	ug/L	4.00	10/27/2004 08:41	
Carbon tetrachloride	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Chlorobenzene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Chloroethane	ND	4.0	ug/L	4.00	10/27/2004 08:41	
2-Chloroethylvinyl ether	ND	20	ug/L	4.00	10/27/2004 08:41	
Chloroform	ND	4.0	ug/L	4.00	10/27/2004 08:41	
Chloromethane	ND	4.0	ug/L	4.00	10/27/2004 08:41	
2-Chlorotoluene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
4-Chlorotoluene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Dibromochloromethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,4-Dichlorobenzene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,3-Dichloropropane	ND	4.0	ug/L	4.00	10/27/2004 08:41	
2,2-Dichloropropane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,1-Dichloropropene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,2-Dibromo-3-chloropropane	ND	4.0	ug/L	4.00	10/27/2004 08:41	
1,2-Dibromoethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	

Sewern Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
 Sample ID: BH-Q Lab ID: 2004-10-0710-7  
 Sampled: 10/21/2004 11:10 Extracted: 10/27/2004 08:41  
 Matrix: Water QC Batch#: 2004/10/27-01-71  
 Analysis Flag: L1 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Dichlorodifluoromethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,1-Dichloroethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,1-Dichloroethene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
cis-1,2-Dichloroethene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
trans-1,2-Dichloroethene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,2-Dichloropropane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Ethylbenzene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Hexachlorobutadiene	ND	4.0	ug/L	4.00	10/27/2004 08:41	
2-Hexanone	ND	200	ug/L	4.00	10/27/2004 08:41	
Isopropylbenzene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
p-isopropyltoluene	ND	4.0	ug/L	4.00	10/27/2004 08:41	
Methylene chloride	ND	20	ug/L	4.00	10/27/2004 08:41	
4-Methyl-2-pentanone (MIBK)	ND	200	ug/L	4.00	10/27/2004 08:41	
Naphthalene	ND	4.0	ug/L	4.00	10/27/2004 08:41	
n-Propylbenzene	ND	4.0	ug/L	4.00	10/27/2004 08:41	
Styrene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Tetrachloroethene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Toluene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,2,3-Trichlorobenzene	ND	4.0	ug/L	4.00	10/27/2004 08:41	
1,2,4-Trichlorobenzene	ND	4.0	ug/L	4.00	10/27/2004 08:41	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Trichloroethene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Trichlorofluoromethane	ND	4.0	ug/L	4.00	10/27/2004 08:41	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
 Sample ID: BH-Q Lab ID: 2004-10-0710-7  
 Sampled: 10/21/2004 11:10 Extracted: 10/27/2004 08:41  
 Matrix: Water QC Batch#: 2004/10/27-01.71  
 Analysis Flag: L1 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorotrifluoroethane	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Vinyl acetate	ND	100	ug/L	4.00	10/27/2004 08:41	
Vinyl chloride	ND	2.0	ug/L	4.00	10/27/2004 08:41	
Total xylenes	ND	4.0	ug/L	4.00	10/27/2004 08:41	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	106.7	79-118	%	4.00	10/27/2004 08:41	
1,2-Dichloroethane-d4	99.3	78-117	%	4.00	10/27/2004 08:41	
Toluene-d8	108.4	77-121	%	4.00	10/27/2004 08:41	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-R	Lab ID:	2004-10-0710-8
Sampled:	10/21/2004 12:25	Extracted:	10/27/2004 09:15
Matrix:	Water	QC Batch#:	2004/10/27-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/27/2004 09:15	
Acetone	ND	50	ug/L	1.00	10/27/2004 09:15	
Benzene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Bromobenzene	ND	1.0	ug/L	1.00	10/27/2004 09:15	
Bromochloromethane	ND	1.0	ug/L	1.00	10/27/2004 09:15	
Bromoform	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Bromomethane	ND	1.0	ug/L	1.00	10/27/2004 09:15	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/27/2004 09:15	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 09:15	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 09:15	
tert-Butylbenzene	4.9	1.0	ug/L	1.00	10/27/2004 09:15	
Carbon disulfide	ND	5.0	ug/L	1.00	10/27/2004 09:15	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Chlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Chloroethane	ND	1.0	ug/L	1.00	10/27/2004 09:15	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/27/2004 09:15	
Chloroform	ND	1.0	ug/L	1.00	10/27/2004 09:15	
Chloromethane	ND	1.0	ug/L	1.00	10/27/2004 09:15	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/27/2004 09:15	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/27/2004 09:15	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Dibromomethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s): 5030B Test(s): 8260B  
Sample ID: BH-R Lab ID: 2004-10-0710 - 8  
Sampled: 10/21/2004 12:25 Extracted: 10/27/2004 09:15  
Matrix: Water QC Batch#: 2004/10/27-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Ethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/27/2004 09:15	
2-Hexanone	ND	50	ug/L	1.00	10/27/2004 09:15	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/27/2004 09:15	
Methylene chloride	ND	5.0	ug/L	1.00	10/27/2004 09:15	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/27/2004 09:15	
Naphthalene	ND	1.0	ug/L	1.00	10/27/2004 09:15	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/27/2004 09:15	
Styrene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Toluene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 09:15	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/27/2004 09:15	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Trichloroethene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/27/2004 09:15	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/27/2004 09:15	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 09:15	

Sewern Trent Laboratories, Inc.

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

Prep(s):	5030B	Test(s):	8260B
Sample ID:	BH-R	Lab ID:	2004-10-0710-8
Sampled:	10/21/2004 12:25	Extracted:	10/27/2004 09:15
Matrix:	Water	QC Batch#:	2004/10/27-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Vinyl acetate	ND	25	ug/L	1.00	10/27/2004 09:15	
Vinyl chloride	ND	0.50	ug/L	1.00	10/27/2004 09:15	
Total xylenes	ND	1.0	ug/L	1.00	10/27/2004 09:15	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	112.5	79-118	%	1.00	10/27/2004 09:15	
1,2-Dichloroethane-d4	128.9	78-117	%	1.00	10/27/2004 09:15	S4
Toluene-d8	96.6	77-121	%	1.00	10/27/2004 09:15	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/26-01.70-016

Water

Test(s): 8260B

QC Batch # 2004/10/26-01.70

Date Extracted: 10/26/2004 09:16

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	10/26/2004 09:16	
Acetone	ND	50	ug/L	10/26/2004 09:16	
Benzene	ND	0.5	ug/L	10/26/2004 09:16	
Bromodichloromethane	ND	0.5	ug/L	10/26/2004 09:16	
Bromobenzene	ND	1.0	ug/L	10/26/2004 09:16	
Bromochloromethane	ND	1.0	ug/L	10/26/2004 09:16	
Bromoform	ND	0.5	ug/L	10/26/2004 09:16	
Bromomethane	ND	1.0	ug/L	10/26/2004 09:16	
2-Butanone(MEK)	ND	50	ug/L	10/26/2004 09:16	
n-Butylbenzene	ND	1.0	ug/L	10/26/2004 09:16	
sec-Butylbenzene	ND	1.0	ug/L	10/26/2004 09:16	
tert-Butylbenzene	ND	1.0	ug/L	10/26/2004 09:16	
Carbon disulfide	ND	5.0	ug/L	10/26/2004 09:16	
Carbon tetrachloride	ND	0.5	ug/L	10/26/2004 09:16	
Chlorobenzene	ND	0.5	ug/L	10/26/2004 09:16	
Chloroethane	ND	1.0	ug/L	10/26/2004 09:16	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10/26/2004 09:16	
Chloroform	ND	1.0	ug/L	10/26/2004 09:16	
Chloromethane	ND	1.0	ug/L	10/26/2004 09:16	
2-Chlorotoluene	ND	0.5	ug/L	10/26/2004 09:16	
4-Chlorotoluene	ND	0.5	ug/L	10/26/2004 09:16	
Dibromochloromethane	ND	0.5	ug/L	10/26/2004 09:16	
1,2-Dichlorobenzene	ND	0.5	ug/L	10/26/2004 09:16	
1,3-Dichlorobenzene	ND	0.5	ug/L	10/26/2004 09:16	
1,4-Dichlorobenzene	ND	0.5	ug/L	10/26/2004 09:16	
1,3-Dichloropropane	ND	1.0	ug/L	10/26/2004 09:16	
2,2-Dichloropropane	ND	0.5	ug/L	10/26/2004 09:16	
1,1-Dichloropropene	ND	0.5	ug/L	10/26/2004 09:16	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	10/26/2004 09:16	
1,2-Dibromoethane	ND	0.5	ug/L	10/26/2004 09:16	
Dibromomethane	ND	0.5	ug/L	10/26/2004 09:16	

Severn Trent Laboratories, Inc.

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/26-01.70-016

Water

Test(s): 8260B

QC Batch #: 2004/10/26-01.70

Date Extracted: 10/26/2004 09:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Dichlorodifluoromethane	ND	0.5	ug/L	10/26/2004 09:16	
1,1-Dichloroethane	ND	0.5	ug/L	10/26/2004 09:16	
1,2-Dichloroethane	ND	0.5	ug/L	10/26/2004 09:16	
1,1-Dichloroethene	ND	0.5	ug/L	10/26/2004 09:16	
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/26/2004 09:16	
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/26/2004 09:16	
1,2-Dichloropropane	ND	0.5	ug/L	10/26/2004 09:16	
cis-1,3-Dichloropropene	ND	0.5	ug/L	10/26/2004 09:16	
trans-1,3-Dichloropropene	ND	0.5	ug/L	10/26/2004 09:16	
Ethylbenzene	ND	0.5	ug/L	10/26/2004 09:16	
Hexachlorobutadiene	ND	1.0	ug/L	10/26/2004 09:16	
2-Hexanone	ND	50	ug/L	10/26/2004 09:16	
Isopropylbenzene	ND	0.5	ug/L	10/26/2004 09:16	
p-Isopropyltoluene	ND	1.0	ug/L	10/26/2004 09:16	
Methylene chloride	ND	5.0	ug/L	10/26/2004 09:16	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	10/26/2004 09:16	
Naphthalene	ND	1.0	ug/L	10/26/2004 09:16	
n-Propylbenzene	ND	1.0	ug/L	10/26/2004 09:16	
Styrene	ND	0.5	ug/L	10/26/2004 09:16	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	10/26/2004 09:16	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	10/26/2004 09:16	
Tetrachloroethene	ND	0.5	ug/L	10/26/2004 09:16	
Toluene	ND	0.5	ug/L	10/26/2004 09:16	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	10/26/2004 09:16	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	10/26/2004 09:16	
1,1,1-Trichloroethane	ND	0.5	ug/L	10/26/2004 09:16	
1,1,2-Trichloroethane	ND	0.5	ug/L	10/26/2004 09:16	
Trichloroethene	ND	0.5	ug/L	10/26/2004 09:16	
Trichlorofluoromethane	ND	1.0	ug/L	10/26/2004 09:16	
Trichlorotrifluoroethane	ND	0.5	ug/L	10/26/2004 09:16	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	10/26/2004 09:16	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	10/26/2004 09:16	

Sewern Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/26-01.70-016

Water

Test(s): 8260B  
QC Batch # 2004/10/26-01.70

Date Extracted: 10/26/2004 09:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl acetate	ND	25	ug/L	10/26/2004 09:16	
Vinyl chloride	ND	0.5	ug/L	10/26/2004 09:16	
Total xylenes	ND	1.0	ug/L	10/26/2004 09:16	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	91.8	79-118	%	10/26/2004 09:16	
1,2-Dichloroethane-d4	90.7	78-117	%	10/26/2004 09:16	
Toluene-d8	86.5	77-121	%	10/26/2004 09:16	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/27-01.71-001

Water

Test(s): 8260B

QC Batch # 2004/10/27-01.71

Date Extracted: 10/27/2004 07:21

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	10/27/2004 07:21	
Acetone	ND	50	ug/L	10/27/2004 07:21	
Benzene	ND	0.5	ug/L	10/27/2004 07:21	
Bromodichloromethane	ND	0.5	ug/L	10/27/2004 07:21	
Bromobenzene	ND	1.0	ug/L	10/27/2004 07:21	
Bromochloromethane	ND	1.0	ug/L	10/27/2004 07:21	
Bromoform	ND	0.5	ug/L	10/27/2004 07:21	
Bromomethane	ND	1.0	ug/L	10/27/2004 07:21	
2-Butanone(MEK)	ND	50	ug/L	10/27/2004 07:21	
n-Butylbenzene	ND	1.0	ug/L	10/27/2004 07:21	
sec-Butylbenzene	ND	1.0	ug/L	10/27/2004 07:21	
tert-Butylbenzene	ND	1.0	ug/L	10/27/2004 07:21	
Carbon disulfide	ND	5.0	ug/L	10/27/2004 07:21	
Carbon tetrachloride	ND	0.5	ug/L	10/27/2004 07:21	
Chlorobenzene	ND	0.5	ug/L	10/27/2004 07:21	
Chloroethane	ND	1.0	ug/L	10/27/2004 07:21	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10/27/2004 07:21	
Chloroform	ND	1.0	ug/L	10/27/2004 07:21	
Chloromethane	ND	1.0	ug/L	10/27/2004 07:21	
2-Chlorotoluene	ND	0.5	ug/L	10/27/2004 07:21	
4-Chlorotoluene	ND	0.5	ug/L	10/27/2004 07:21	
Dibromochloromethane	ND	0.5	ug/L	10/27/2004 07:21	
1,2-Dichlorobenzene	ND	0.5	ug/L	10/27/2004 07:21	
1,3-Dichlorobenzene	ND	0.5	ug/L	10/27/2004 07:21	
1,4-Dichlorobenzene	ND	0.5	ug/L	10/27/2004 07:21	
1,3-Dichloropropane	ND	1.0	ug/L	10/27/2004 07:21	
2,2-Dichloropropane	ND	0.5	ug/L	10/27/2004 07:21	
1,1-Dichloropropene	ND	0.5	ug/L	10/27/2004 07:21	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	10/27/2004 07:21	
1,2-Dibromoethane	ND	0.5	ug/L	10/27/2004 07:21	
Dibromomethane	ND	0.5	ug/L	10/27/2004 07:21	
Dichlorodifluoromethane	ND	0.5	ug/L	10/27/2004 07:21	

Severn Trent Laboratories, Inc.

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/27-01.71-001

Water

Test(s): 8260B

QC Batch # 2004/10/27-01.71

Date Extracted: 10/27/2004 07:21

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1-Dichloroethane	ND	0.5	ug/L	10/27/2004 07:21	
1,2-Dichloroethane	ND	0.5	ug/L	10/27/2004 07:21	
1,1-Dichloroethene	ND	0.5	ug/L	10/27/2004 07:21	
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/27/2004 07:21	
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/27/2004 07:21	
1,2-Dichloropropane	ND	0.5	ug/L	10/27/2004 07:21	
cis-1,3-Dichloropropene	ND	0.5	ug/L	10/27/2004 07:21	
trans-1,3-Dichloropropene	ND	0.5	ug/L	10/27/2004 07:21	
Ethylbenzene	ND	0.5	ug/L	10/27/2004 07:21	
Hexachlorobutadiene	ND	1.0	ug/L	10/27/2004 07:21	
2-Hexanone	ND	50	ug/L	10/27/2004 07:21	
Isopropylbenzene	ND	0.5	ug/L	10/27/2004 07:21	
p-Isopropyltoluene	ND	1.0	ug/L	10/27/2004 07:21	
Methylene chloride	ND	5.0	ug/L	10/27/2004 07:21	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	10/27/2004 07:21	
Naphthalene	ND	1.0	ug/L	10/27/2004 07:21	
n-Propylbenzene	ND	1.0	ug/L	10/27/2004 07:21	
Styrene	ND	0.5	ug/L	10/27/2004 07:21	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	10/27/2004 07:21	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	10/27/2004 07:21	
Tetrachloroethene	ND	0.5	ug/L	10/27/2004 07:21	
Toluene	ND	0.5	ug/L	10/27/2004 07:21	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	10/27/2004 07:21	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	10/27/2004 07:21	
1,1,1-Trichloroethane	ND	0.5	ug/L	10/27/2004 07:21	
1,1,2-Trichloroethane	ND	0.5	ug/L	10/27/2004 07:21	
Trichloroethene	ND	0.5	ug/L	10/27/2004 07:21	
Trichlorofluoromethane	ND	1.0	ug/L	10/27/2004 07:21	
Trichlorotrifluoroethane	ND	0.5	ug/L	10/27/2004 07:21	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	10/27/2004 07:21	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	10/27/2004 07:21	
Vinyl acetate	ND	25	ug/L	10/27/2004 07:21	

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
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Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/27-01.71-001

Water

Test(s): 8260B

QC Batch # 2004/10/27-01.71

Date Extracted: 10/27/2004 07:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	0.5	ug/L	10/27/2004 07:21	
Total xylenes	ND	1.0	ug/L	10/27/2004 07:21	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	108.6	79-118	%	10/27/2004 07:21	
1,2-Dichloroethane-d4	95.4	78-117	%	10/27/2004 07:21	
Toluene-d8	105.4	77-121	%	10/27/2004 07:21	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/30-01.06-004

Water

Test(s): 8260B

QC Batch # 2004/10/30-01.06

Date Extracted: 10/30/2004 10:54

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	10/30/2004 10:54	
Acetone	ND	50	ug/L	10/30/2004 10:54	
Benzene	ND	0.5	ug/L	10/30/2004 10:54	
Bromodichloromethane	ND	0.5	ug/L	10/30/2004 10:54	
Bromobenzene	ND	1.0	ug/L	10/30/2004 10:54	
Bromochloromethane	ND	1.0	ug/L	10/30/2004 10:54	
Bromoform	ND	0.5	ug/L	10/30/2004 10:54	
Bromomethane	ND	1.0	ug/L	10/30/2004 10:54	
2-Butanone(MEK)	ND	50	ug/L	10/30/2004 10:54	
n-Butylbenzene	ND	1.0	ug/L	10/30/2004 10:54	
sec-Butylbenzene	ND	1.0	ug/L	10/30/2004 10:54	
tert-Butylbenzene	ND	1.0	ug/L	10/30/2004 10:54	
Carbon disulfide	ND	5.0	ug/L	10/30/2004 10:54	
Carbon tetrachloride	ND	0.5	ug/L	10/30/2004 10:54	
Chlorobenzene	ND	0.5	ug/L	10/30/2004 10:54	
Chloroethane	ND	1.0	ug/L	10/30/2004 10:54	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10/30/2004 10:54	
Chloroform	ND	1.0	ug/L	10/30/2004 10:54	
Chloromethane	ND	1.0	ug/L	10/30/2004 10:54	
2-Chlorotoluene	ND	0.5	ug/L	10/30/2004 10:54	
4-Chlorotoluene	ND	0.5	ug/L	10/30/2004 10:54	
Dibromochloromethane	ND	0.5	ug/L	10/30/2004 10:54	
1,2-Dichlorobenzene	ND	0.5	ug/L	10/30/2004 10:54	
1,3-Dichlorobenzene	ND	0.5	ug/L	10/30/2004 10:54	
1,4-Dichlorobenzene	ND	0.5	ug/L	10/30/2004 10:54	
1,3-Dichloropropane	ND	1.0	ug/L	10/30/2004 10:54	
2,2-Dichloropropane	ND	0.5	ug/L	10/30/2004 10:54	
1,1-Dichloropropene	ND	0.5	ug/L	10/30/2004 10:54	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	10/30/2004 10:54	
1,2-Dibromoethane	ND	0.5	ug/L	10/30/2004 10:54	
Dibromomethane	ND	0.5	ug/L	10/30/2004 10:54	
Dichlorodifluoromethane	ND	0.5	ug/L	10/30/2004 10:54	

Severn Trent Laboratories, Inc.

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/30-01.06-004

Water

Test(s): 8260B

QC Batch # 2004/10/30-01.06

Date Extracted: 10/30/2004 10:54

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1-Dichloroethane	ND	0.5	ug/L	10/30/2004 10:54	
1,2-Dichloroethane	ND	0.5	ug/L	10/30/2004 10:54	
1,1-Dichloroethene	ND	0.5	ug/L	10/30/2004 10:54	
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/30/2004 10:54	
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/30/2004 10:54	
1,2-Dichloropropane	ND	0.5	ug/L	10/30/2004 10:54	
cis-1,3-Dichloropropene	ND	0.5	ug/L	10/30/2004 10:54	
trans-1,3-Dichloropropene	ND	0.5	ug/L	10/30/2004 10:54	
Ethylbenzene	ND	0.5	ug/L	10/30/2004 10:54	
Hexachlorobutadiene	ND	1.0	ug/L	10/30/2004 10:54	
2-Hexanone	ND	50	ug/L	10/30/2004 10:54	
Isopropylbenzene	ND	0.5	ug/L	10/30/2004 10:54	
p-Isopropyltoluene	ND	1.0	ug/L	10/30/2004 10:54	
Methylene chloride	ND	5.0	ug/L	10/30/2004 10:54	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	10/30/2004 10:54	
Naphthalene	ND	1.0	ug/L	10/30/2004 10:54	
n-Propylbenzene	ND	1.0	ug/L	10/30/2004 10:54	
Styrene	ND	0.5	ug/L	10/30/2004 10:54	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	10/30/2004 10:54	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	10/30/2004 10:54	
Tetrachloroethene	ND	0.5	ug/L	10/30/2004 10:54	
Toluene	ND	0.5	ug/L	10/30/2004 10:54	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	10/30/2004 10:54	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	10/30/2004 10:54	
1,1,1-Trichloroethane	ND	0.5	ug/L	10/30/2004 10:54	
1,1,2-Trichloroethane	ND	0.5	ug/L	10/30/2004 10:54	
Trichloroethene	ND	0.5	ug/L	10/30/2004 10:54	
Trichlorofluoromethane	ND	1.0	ug/L	10/30/2004 10:54	
Trichlorotrifluoroethane	ND	0.5	ug/L	10/30/2004 10:54	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	10/30/2004 10:54	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	10/30/2004 10:54	
Vinyl acetate	ND	25	ug/L	10/30/2004 10:54	

Severn Trent Laboratories, Inc.

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/30-01.06-004

Water

Test(s): 8260B

QC Batch # 2004/10/30-01.06

Date Extracted: 10/30/2004 10:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	0.5	ug/L	10/30/2004 10:54	
Total xylenes	ND	1.0	ug/L	10/30/2004 10:54	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	92.7	79-118	%	10/30/2004 10:54	
1,2-Dichloroethane-d4	89.4	78-117	%	10/30/2004 10:54	
Toluene-d8	91.4	77-121	%	10/30/2004 10:54	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/10/26-01.70

LCS 2004/10/26-01.70-043

Extracted: 10/26/2004

Analyzed: 10/26/2004 08:43

LCSD

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	18.8		20.0	94.0			69-129	20		
Chlorobenzene	20.0		20.0	100.0			61-121	20		
1,1-Dichloroethene	17.9		20.0	89.5			65-125	20		
Toluene	18.9		20.0	94.5			70-130	20		
Trichloroethene	18.7		20.0	93.5			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	459		500	91.8			79-118			
1,2-Dichloroethane-d4	428		500	85.6			78-117			
Toluene-d8	431		500	86.2			77-121			

Severn Trent Laboratories, Inc.

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11/01/2004 14:06

Page 35 of 41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
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Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/10/27-01.71

LCS 2004/10/27-01.71-002

Extracted: 10/27/2004

Analyzed: 10/27/2004 06:47

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	19.0		20.0	95.0			69-129	20		
Chlorobenzene	20.8		20.0	104.0			61-121	20		
1,1-Dichloroethene	18.5		20.0	92.5			65-125	20		
Toluene	19.9		20.0	99.5			70-130	20		
Trichloroethene	18.9		20.0	94.5			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	527		500	105.4			79-118	0		
1,2-Dichloroethane-d4	492		500	98.4			78-117	0		
Toluene-d8	530		500	106.0			77-121	0		

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/10/30-01.06

LCS: 2004/10/30-01.06-003

Extracted: 10/30/2004

Analyzed: 10/30/2004 10:18

LCSD:

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	22.4		20.0	112.0			69-129	20		
Chlorobenzene	23.0		20.0	115.0			61-121	20		
1,1-Dichloroethene	21.1		20.0	105.5			65-125	20		
Toluene	22.6		20.0	113.0			70-130	20		
Trichloroethene	21.1		20.0	105.5			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	443		500	88.6			79-118			
1,2-Dichloroethane-d4	462		500	92.4			78-117			
Toluene-d8	465		500	93.0			77-121			

Severn Trent Laboratories, Inc.

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11/01/2004 14:06

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike (MS / MSD)**

**Water**

**QC Batch # 2004/10/26-01.70**

MS/MSD

Lab ID: 2004-10-0700-007

MS: 2004/10/26-01.70-017

Extracted: 10/26/2004

Analyzed: 10/26/2004 16:17

Dilution: 1.00

MSD: 2004/10/26-01.70-050

Extracted: 10/26/2004

Analyzed: 10/26/2004 16:50

Dilution: 1.00

Compound	Conc. ug/L		Spk. Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	19.0	19.4	ND	20.0	95.0	97.0	2.1	69-129	20		
Chlorobenzene	19.8	20.8	ND	20.0	99.0	104.0	4.9	61-121	20		
1,1-Dichloroethene	17.0	19.3	ND	20.0	85.0	96.5	12.7	65-125	20		
Toluene	19.0	19.5	ND	20.0	95.0	97.5	2.6	70-130	20		
Trichloroethene	46.8	46.8	27.7	20.0	95.5	95.5	0.0	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	468	453		500	93.6	90.6		79-118			
1,2-Dichloroethane-d4	433	447		500	86.5	89.4		78-117			
Toluene-d8	467	452		500	93.5	90.5		77-121			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/10/27-01.71**

MS/MSD

Lab ID: 2004-10-0735 - 002

MS: 2004/10/27-01.71-003

Extracted: 10/27/2004

Analyzed: 10/27/2004 13:45

Dilution: 1.00

MSD: 2004/10/27-01.71-004

Extracted: 10/27/2004

Analyzed: 10/27/2004 14:19

Dilution: 1.00

Compound	Conc. ug/L			Spk. Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
1,1-Dichloroethene	17.7	18.1	ND	20.0	88.5	90.5	2.2	65-125	20		
Trichloroethene	32.7	33.6	13.6	20.0	95.5	100.0	4.6	74-134	20		
Chlorobenzene	21.0	21.2	ND	20.0	105.0	106.0	0.9	61-121	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	532	536		500	106.4	107.2		79-118	0		
1,2-Dichloroethane-d4	485	510		500	97.0	102.0		78-117	0		
Toluene-d8	538	522		500	107.6	104.4		77-121	0		

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 14.06

Page 39 of 41



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike (MS / MSD)**

**Water**

**QC Batch # 2004/10/30-01.06**

MS/MSD

Lab ID: 2004-10-0736 -001

MS: 2004/10/30-01.06-006

Extracted: 10/30/2004

Analyzed: 10/30/2004 12:04

Dilution: 1.00

MSD: 2004/10/30-01.06-007

Extracted: 10/30/2004

Analyzed: 10/30/2004 12:39

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
1,1-Dichloroethene	20.1	20.8	ND	20.0	100.5	104.0	3.4	65-125	20		
Trichloroethene	22.6	22.2	0.854	20.0	108.7	106.7	1.9	74-134	20		
Chlorobenzene	23.7	23.8	ND	20.0	118.5	118.0	0.4	61-121	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	462	474		500	92.4	94.9		79-118			
1,2-Dichloroethane-d4	455	456		500	91.0	91.3		78-117			
Toluene-d8	460	460		500	91.9	92.1		77-121			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 14:06

Page 40 of 41

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/21/2004 18:05

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**Legend and Notes**

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**Analysis Flag**

L1

Reporting limits raised due to high level of non-target analyte materials.

**Result Flag**

S4

Surrogate recovery was higher than QC limit due to matrix interference.

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

SEVERN  
TRENT **STL**

MINERAL  
SPRINGS

**STL San Francisco Chain of Custody**  
1220 Quarry Lane • Pleasanton CA 94566-4756  
Phone: (925) 484-1919 • Fax: (925) 484-1096  
Email: [slogin@stl-inc.com](mailto:slogin@stl-inc.com)

2004-10-0710

Reference #: 94958

Date 10/21/04 Page 1 of 1

Report To

Attn: **Rob Kital**  
Company: **AQUA SCIENCE CHEMICALS**  
Address: **25 L EL PINO AVO**  
Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
Bill To: \_\_\_\_\_ Sampled By: **STL**  
Attn: \_\_\_\_\_ Phone: \_\_\_\_\_

Analysis Request

<input type="checkbox"/> TPH EPA - <input type="checkbox"/> 8015/9021 <input type="checkbox"/> 8250 <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MIRE	<input type="checkbox"/> Purgeable Aromatics <input type="checkbox"/> BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 8260	<input type="checkbox"/> YERH EPA 8015M* <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	<input type="checkbox"/> Fuel Tests EPA 8260B: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Fluoridylphenol <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Phand	<input type="checkbox"/> Fluorohalide Hydrocarbons (HVOCs) EPA 8021 by 8260B	<input checked="" type="checkbox"/> Volatile Organics GC/MS (VOCs) EPA 8260B <input type="checkbox"/> 624	<input type="checkbox"/> Semivolatile GC/MS <input type="checkbox"/> EPA 8276 <input type="checkbox"/> 625	<input type="checkbox"/> Oil and Grease <input type="checkbox"/> Petroleum (EPA 1654) <input type="checkbox"/> Total	<input type="checkbox"/> Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 808 <input type="checkbox"/> PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608	<input type="checkbox"/> PMAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	<input type="checkbox"/> CAMEX Metals (EPA 8210/7470/471)	<input type="checkbox"/> Metals: <input type="checkbox"/> Lead <input type="checkbox"/> U/LFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	<input type="checkbox"/> Low Level Metals by EPA 200.8/8297 (ICP-AES): <input type="checkbox"/> W.E.T (STLC) <input type="checkbox"/> TCU/P	<input type="checkbox"/> Hexavalent Chromium pH (24h liquid line for H <sub>2</sub> O)	<input type="checkbox"/> Spec Cond <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> TO3 <input type="checkbox"/>	<input type="checkbox"/> Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> PO <sub>4</sub> <input type="checkbox"/> PO <sub>3</sub>	Number of Containers		
<b>BH-K</b>	10/20/04	1411	W														4	
<b>BH-L</b>		1540			X													4
<b>BH-M</b>		1650			X													4
<b>BH-N</b>	10/20/04	10534			X													1
<b>BH-O</b>		1020			X													1
<b>BH-P</b>		0705			X													1
<b>BH-Q</b>		1110			X													1
<b>BH-R</b>		1225			X													1

<b>Project Info</b>		<b>Sample Receipt</b>		<b>1) Relinquished by:</b>		<b>2) Relinquished by:</b>		<b>3) Relinquished by:</b>		
Project Name: <b>KC0202</b>	# of Containers:	Signature: <b>DAMIAN HERRICK</b>	Time: <b>1415</b>	Signature: <b>Paul Goodlander</b>	Time: <b>1805</b>	Signature: _____	Time: _____	Signature: _____	Time: _____	
Project#: _____	Head Space: _____	Printed Name: <b>DAMIAN HERRICK</b>	Date: <b>10/21/04</b>	Printed Name: <b>Paul Goodlander</b>	Date: <b>10/21/04</b>	Printed Name: _____	Date: _____	Printed Name: _____	Date: _____	
PO#: _____	Temp: <b>24</b>	Company: <b>AQE</b>	_____	Company: <b>STL</b>	_____	Company: _____	_____	Company: _____	_____	
Credit Card#: _____	Confirms to record: _____	_____		_____		_____		_____		
T A T	<input type="checkbox"/> 72h	<input type="checkbox"/> 48h	<input type="checkbox"/> 24h	<input type="checkbox"/> Other:	<b>1) Received by:</b>		<b>2) Received by:</b>		<b>3) Received by:</b>	
Report: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> Ship Tank End EDF	Signature: <b>Paul Goodlander</b>		Time: <b>1415</b>	Signature: <b>Paul Goodlander</b>	Time: <b>1805</b>	Signature: _____	Time: _____	Signature: _____	Time: _____	
Special Instructions / Comments: _____	Printed Name: <b>Paul Goodlander</b>		Date: <b>10/21/04</b>	Printed Name: <b>Paul Goodlander</b>	Date: <b>10/21/04</b>	Printed Name: _____	Date: _____	Printed Name: _____	Date: _____	
STL, SF reports 8015M from C <sub>1</sub> -C <sub>6</sub> (industry norm); Default for 8015B is C <sub>1</sub> -C <sub>6</sub> .				Company: <b>STL</b>		Company: <b>STL SF</b>		Company: _____		

**Aqua Science Engineers, Inc.**

October 29, 2004

208 West El Pintado Road  
Danville, CA 94526

Attn.: Robert Kitay

Project: Kozel

Dear Mr. Kitay,

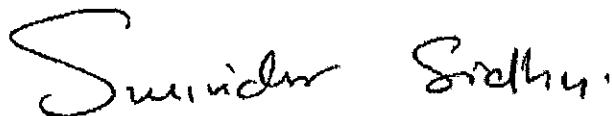
Attached is our report for your samples received on 10/22/2004 17:00  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
12/06/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,  
please call me at (925) 484-1919.

You can also contact me via email. My email address is: [ssidhu@stl-inc.com](mailto:ssidhu@stl-inc.com)

Sincerely,



Surinder Sidhu  
Project Manager

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-T @ 11.5'	10/21/2004 15:12	Soil	3
BH-U @ 7.5'	10/21/2004 16:07	Soil	7
BH-V @ 11.5'	10/21/2004 16:36	Soil	11
BH-V @ 25.5'	10/22/2004 12:06	Soil	15
BH-W @ 7.5'	10/22/2004 12:32	Soil	17

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 15:30

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-T @ 11.5'	Lab ID:	2004-10-0750 -3
Sampled:	10/21/2004 15:12	Extracted:	10/28/2004 08:38
Matrix:	Soil	QC Batch#:	2004/10/28-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	6.6	1.0	mg/Kg	1.00	10/28/2004 21:52	
<b>Surrogate(s)</b>						
o-Terphenyl	92.4	60-130	%	1.00	10/28/2004 21:52	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-U @ 7.5'	Lab ID:	2004-10-0750 - 7
Sampled:	10/21/2004 16:07	Extracted:	10/28/2004 08:38
Matrix:	Soil	QC Batch#:	2004/10/28-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	ND	1.0	mg/Kg	1.00	10/28/2004 21:20	
<b>Surrogate(s)</b> o-Terphenyl	85.6	60-130	%	1.00	10/28/2004 21:20	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	BH-V @ 11.5'	Lab ID:	2004-10-0750 - 11
Sampled:	10/21/2004 16:36	Extracted:	10/28/2004 08:38
Matrix:	Soil	QC Batch#:	2004/10/28-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	12	1.0	mg/Kg	1.00	10/29/2004 12:53	
<b>Surrogate(s)</b> o-Terphenyl	78.9	60-130	%	1.00	10/29/2004 12:53	



**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>BH-V @ 25.5'</b>	Lab ID:	2004-10-0750 - 15
Sampled:	10/22/2004 12:06	Extracted:	10/28/2004 08:38
Matrix:	Soil	QC Batch#:	2004/10/28-01-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	3.3	1.0	mg/Kg	1.00	10/28/2004 21:25	
<b>Surrogate(s)</b> o-Terphenyl	88.6	60-130	%	1.00	10/28/2004 21:25	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>BH-W @ 7.5'</b>	Lab ID:	2004-10-0750 - 17
Sampled:	10/22/2004 12:32	Extracted:	10/28/2004 08:38
Matrix:	Soil	QC Batch#:	2004/10/28-01-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	24	1.0	mg/Kg	1.00	10/29/2004 13:21	
<i>Surrogate(s)</i>						
o-Terphenyl	79.1	60-130	%	1.00	10/29/2004 13:21	

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Batch QC Report**

Prep(s): 3550/8015M

Method Blank

MB: 2004/10/28-01.10-001

Soil

Test(s): 8015M

QC Batch # 2004/10/28-01.10

Date Extracted: 10/28/2004 08:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/28/2004 19:04	
Mineral spirits	ND	1	mg/Kg	10/28/2004 19:04	
<b>Surrogates(s)</b>					
o-Terphenyl	86.2	60-130	%	10/28/2004 19:04	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 15:30

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/10/28-01.10**

LCS 2004/10/28-01.10-002

Extracted: 10/28/2004

Analyzed: 10/28/2004 18:13

LCSD 2004/10/28-01.10-003

Extracted: 10/28/2004

Analyzed: 10/28/2004 19:40

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	32.0	36.2	41.7	76.7	87.0	12.6	60-130	25		
Surrogates(s) o-Terphenyl	19.8	20.0	20.0	99.1	100.0		60-130	0		

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 15:30

*Milwauke  
5/12/15*

**STL San Francisco Chain of Custody**  
 1220 Quarry Lane • Pleasanton CA 94566-4756  
 Phone: (925) 484-1919 • Fax: (925) 484-1096  
 Email: [siloin@stl-inc.com](mailto:siloin@stl-inc.com)

**2004-10-0750**

Reference #: **95003**

Date 10/22/04 Page 1 of 2

**Report To**

Attn: **MOB KITAY**  
 Company: **ARUNA SCIENCE**  
 Address: **208 W 62 PIQUAD**  
 Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
 Bill To: \_\_\_\_\_ Sampled By: **PH**

**Analysis Request**

TPH EPA  80150021  R2608  
 Gas W  D.BTEX  D.MTBE  
 Purgables Aromatics  
 BTEX EPA -  8031  R2608  
 Silica Gel  
 TERPH EPA 8010M\*  Other  
 Chloral  Misor  Other  
 Fuel Tests EPA 8080B,  Gas  D.BTEX  
 Fuel Originator  DCA, EDB  Ethand  
 Purgables Hubs-carbon  
 (HYOCs) EPA 8021 by R2608  
 Volatile Organics GC/MS (VOCs)  
 EPA 8260B  624  
 Semivolatiles GC/MS  
 EPA 8271  625  
 Oil and Grease  Petroleum  
 (EPA 1661)  Total  
 Pesticides  EPA 8081  608  
 PCBs  EPA 8082  608  
 FNAs by  8270  6310  
 DDMT7 Metals  
 (EPA 8017/470/471)  
 Metals:  Lead  LUFT  RCRA  
 Other:  
 Low Level Metals by EPA 200.8/200  
 (ICP-MS)  
 W.E.T. (STLC)  
 TCLP  
 Hexavalent Chromium  
 pH (24h hold time for H<sub>2</sub>O)  
 Specific Cond.  Alkalinity  
 TSS  TDS   
 Anions:  Cl  SO<sub>4</sub>  NO<sub>3</sub>  F  
 Br  NO<sub>2</sub>  PO<sub>4</sub>

Sample ID	Date	Time	Mat	Prce	TPH EPA	Gas W	Purgables Aromatics	BTEX EPA	Silica Gel	TERPH EPA	Fuel Tests EPA	Purgables Hubs-carbon	Volatile Organics GC/MS	Semivolatiles GC/MS	Oil and Grease	Pesticides	PCBs	FNAs by	DDMT7 Metals	Metals	Low Level Metals	W.E.T. (STLC)	Hexavalent Chromium	pH	Specific Cond.	TSS	Anions	Number of Containers	
BH-T 2.5'	10/14/04	1500	S																										
BH-T 8.5'		1505																											
BH-T 11.5'		1517								X			X																
BH-T 14.5'		1518																											
BH-T 16.5'		1516																											
BH-U 3.5'		1605																											
BH-U 7.5'		1607								X			X																
BH-U 11.5'		1600																											
<del>BH-U 11.5'</del>		<del>1600</del>																											
BH-V 5.5'		1630	V																										

<b>Project Info.</b>		<b>Sample Receipt</b>		1) Relinquished by:		2) Relinquished by:		3) Relinquished by:	
Project Name: <b>K260</b>	# of Containers:	Head Space:	Temp: <b>6°C</b>	Signature: <i>[Signature]</i>	Time: <b>1700</b>	Signature:	Time:	Signature:	Time:
Project#:	Head Space:	Temp:	Conforms to record:	Printed Name: <b>DAMIAN WICKERHOFER</b>	Date:	Printed Name:	Date:	Printed Name:	Date:
PO#:	Temp:	Conforms to record:	Company:	Company: <b>ASE</b>	Company:	Company:	Company:	Company:	Company:
Credit Card#:	Conforms to record:	Company:	Company:	Company:	Company:	Company:	Company:	Company:	Company:
T A T	<input checked="" type="checkbox"/> 72h	<input type="checkbox"/> 48h	<input type="checkbox"/> 24h	<input type="checkbox"/> Other:	1) Received by:	2) Received by:	3) Received by:	Signature:	Time:
Report: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDO <input type="checkbox"/> State Track <input type="checkbox"/> Fund EDO	Special Instructions / Comments:	<input type="checkbox"/> Glass ID	Signature: <i>[Signature]</i>	Time: <b>1700</b>	Signature:	Time:	Signature:	Time:	Signature:
Printed Name: <b>STL SP</b>	Date:	Printed Name:	Date:	Printed Name:	Date:	Printed Name:	Date:	Printed Name:	Date:
Company:	Company:	Company:	Company:	Company:	Company:	Company:	Company:	Company:	Company:

\*STL SF reports 8015M from C<sub>1</sub>-C<sub>2</sub> (industry norm). Deliquit for 8015B is C<sub>1</sub>-C<sub>2</sub>



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-T @ 11.5'	10/21/2004 15:12	Soil	3
BH-U @ 7.5'	10/21/2004 16:07	Soil	7
BH-V @ 11.5'	10/21/2004 16:36	Soil	11
BH-V @ 25.5'	10/22/2004 12:06	Soil	15
BH-W @ 7.5'	10/22/2004 12:32	Soil	17

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 13:05

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-T @ 11.5 Lab ID: 2004-10-0750-3  
Sampled: 10/21/2004 15:12 Extracted: 10/26/2004 10:04  
Matrix: Soil QC Batch#: 2004/10/26-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Acetone	ND	50	ug/Kg	1.00	10/26/2004 10:04	
Benzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Bromochloromethane	ND	20	ug/Kg	1.00	10/26/2004 10:04	
Bromoform	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Bromomethane	ND	10	ug/Kg	1.00	10/26/2004 10:04	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/26/2004 10:04	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Chloroethane	ND	10	ug/Kg	1.00	10/26/2004 10:04	
Chloroform	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Chloromethane	ND	10	ug/Kg	1.00	10/26/2004 10:04	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/26/2004 10:04	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/26/2004 10:04	
Dibromomethane	ND	10	ug/Kg	1.00	10/26/2004 10:04	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/26/2004 10:04	

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10/27/2004 13:05



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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208 West El Pintado Road  
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Project: Kozei

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-T @ 11.5' Lab ID: 2004-10-0750 - 3  
Sampled: 10/21/2004 15:12 Extracted: 10/26/2004 10:04  
Matrix: Soil QC Batch#: 2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
2-Hexanone	ND	50	ug/Kg	1.00	10/26/2004 10:04	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Methylene chloride	ND	10	ug/Kg	1.00	10/26/2004 10:04	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/26/2004 10:04	
Naphthalene	ND	10	ug/Kg	1.00	10/26/2004 10:04	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Styrene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Toluene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
 Danville, CA 94526  
 Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-T @ 11.5'	Lab ID:	2004-10-0750-3
Sampled:	10/21/2004 15:12	Extracted:	10/26/2004 10:04
Matrix:	Soil	QC Batch#:	2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/26/2004 10:04	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
Total xylenes	ND	5.0	ug/Kg	1.00	10/26/2004 10:04	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	88.4	74-121	%	1.00	10/26/2004 10:04	
1,2-Dichloroethane-d4	89.3	70-121	%	1.00	10/26/2004 10:04	
Toluene-d8	91.3	81-117	%	1.00	10/26/2004 10:04	

Severn Trent Laboratories, Inc.

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

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Danville, CA 94526  
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Project: KozeI

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-U @ 7.5 Lab ID: 2004-10-0750 - 7  
Sampled: 10/21/2004 16:07 Extracted: 10/26/2004 10:38  
Matrix: Soil QC Batch#: 2004/10/26-0171

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Acetone	ND	50	ug/Kg	1.00	10/26/2004 10:38	
Benzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Bromochloromethane	ND	20	ug/Kg	1.00	10/26/2004 10:38	
Bromoform	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Bromomethane	ND	10	ug/Kg	1.00	10/26/2004 10:38	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/26/2004 10:38	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Chloroethane	ND	10	ug/Kg	1.00	10/26/2004 10:38	
Chloroform	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Chloromethane	ND	10	ug/Kg	1.00	10/26/2004 10:38	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/26/2004 10:38	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/26/2004 10:38	
Dibromomethane	ND	10	ug/Kg	1.00	10/26/2004 10:38	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/26/2004 10:38	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-U @ 7.5 Lab ID: 2004-10-0750 - 7  
Sampled: 10/21/2004 16:07 Extracted: 10/26/2004 10:38  
Matrix: Soil QC Batch#: 2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
2-Hexanone	ND	50	ug/Kg	1.00	10/26/2004 10:38	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Methylene chloride	ND	10	ug/Kg	1.00	10/26/2004 10:38	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/26/2004 10:38	
Naphthalene	ND	10	ug/Kg	1.00	10/26/2004 10:38	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Styrene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Toluene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-U @ 7.5' Lab ID: 2004-10-0750-7  
 Sampled: 10/21/2004 16:07 Extracted: 10/26/2004 10:38  
 Matrix: Soil QC Batch#: 2004/10/26-01-71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/26/2004 10:38	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
Total xylenes	ND	5.0	ug/Kg	1.00	10/26/2004 10:38	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	83.2	74-121	%	1.00	10/26/2004 10:38	
1,2-Dichloroethane-d4	95.0	70-121	%	1.00	10/26/2004 10:38	
Toluene-d8	92.4	81-117	%	1.00	10/26/2004 10:38	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: KozeI

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-V @ 11.5' Lab ID: 2004-10-0750-11  
 Sampled: 10/21/2004 16:36 Extracted: 10/26/2004 11:11  
 Matrix: Soil QC Batch#: 2004/10/26-01-71  
 Analysis Flag: I1 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Acetone	ND	130	ug/Kg	2.51	10/26/2004 11:11	
Benzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Bromodichloromethane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Bromobenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Bromochloromethane	ND	50	ug/Kg	2.51	10/26/2004 11:11	
Bromoform	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Bromomethane	ND	25	ug/Kg	2.51	10/26/2004 11:11	
2-Butanone(MEK)	ND	130	ug/Kg	2.51	10/26/2004 11:11	
n-Butylbenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
sec-Butylbenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
tert-Butylbenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Carbon disulfide	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Carbon tetrachloride	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Chlorobenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Chloroethane	ND	25	ug/Kg	2.51	10/26/2004 11:11	
Chloroform	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Chloromethane	ND	25	ug/Kg	2.51	10/26/2004 11:11	
2-Chlorotoluene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
4-Chlorotoluene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Dibromochloromethane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,2-Dichlorobenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,3-Dichlorobenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,4-Dichlorobenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,3-Dichloropropane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
2,2-Dichloropropane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,1-Dichloropropene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,2-Dibromo-3-chloropropane	ND	130	ug/Kg	2.51	10/26/2004 11:11	
1,2-Dibromoethane	ND	25	ug/Kg	2.51	10/26/2004 11:11	
Dibromomethane	ND	25	ug/Kg	2.51	10/26/2004 11:11	

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**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
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Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozei

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-V @ 11.5' Lab ID: 2004-10-0750 - 11  
Sampled: 10/21/2004 16:36 Extracted: 10/26/2004 11:11  
Matrix: Soil QC Batch#: 2004/10/26-01.71  
Analysis Flag: I1 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	25	ug/Kg	2.51	10/26/2004 11:11	
1,1-Dichloroethane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,2-Dichloroethane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,1-Dichloroethene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
cis-1,2-Dichloroethene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
trans-1,2-Dichloroethene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,2-Dichloropropane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
cis-1,3-Dichloropropene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
trans-1,3-Dichloropropene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Ethylbenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Hexachlorobutadiene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
2-Hexanone	ND	130	ug/Kg	2.51	10/26/2004 11:11	
Isopropylbenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
p-Isopropyltoluene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Methylene chloride	ND	25	ug/Kg	2.51	10/26/2004 11:11	
4-Methyl-2-pentanone (MIBK)	ND	130	ug/Kg	2.51	10/26/2004 11:11	
Naphthalene	ND	25	ug/Kg	2.51	10/26/2004 11:11	
n-Propylbenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Styrene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,1,1,2-Tetrachloroethane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,1,2,2-Tetrachloroethane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Tetrachloroethene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Toluene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,2,3-Trichlorobenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,2,4-Trichlorobenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,1,1-Trichloroethane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,1,2-Trichloroethane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Trichloroethene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Trichlorofluoromethane	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Trichlorotrifluoroethane	ND	13	ug/Kg	2.51	10/26/2004 11:11	

Sewern Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 13:05

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
 Sample ID: BH-V @ 11.5 Lab ID: 2004-10-0750-11  
 Sampled: 10/21/2004 16:36 Extracted: 10/26/2004 11:11  
 Matrix: Soil QC Batch#: 2004/10/26-0171  
 Analysis Flag: 11 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
1,3,5-Trimethylbenzene	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Vinyl acetate	ND	130	ug/Kg	2.51	10/26/2004 11:11	
Vinyl chloride	ND	13	ug/Kg	2.51	10/26/2004 11:11	
Total xylenes	ND	13	ug/Kg	2.51	10/26/2004 11:11	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	0.0	74-121	%	2.51	10/26/2004 11:11	S6
1,2-Dichloroethane-d4	101.7	70-121	%	2.51	10/26/2004 11:11	
Toluene-d8	102.1	81-117	%	2.51	10/26/2004 11:11	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
 Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 13:05



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-V @ 25.5' Lab ID: 2004-10-0750 - 15  
Sampled: 10/22/2004 12:06 Extracted: 10/26/2004 11:45  
Matrix: Soil QC Batch#: 2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Acetone	ND	50	ug/Kg	1.00	10/26/2004 11:45	
Benzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Bromochloromethane	ND	20	ug/Kg	1.00	10/26/2004 11:45	
Bromoform	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Bromomethane	ND	10	ug/Kg	1.00	10/26/2004 11:45	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/26/2004 11:45	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Chloroethane	ND	10	ug/Kg	1.00	10/26/2004 11:45	
Chloroform	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Chloromethane	ND	10	ug/Kg	1.00	10/26/2004 11:45	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/26/2004 11:45	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/26/2004 11:45	
Dibromomethane	ND	10	ug/Kg	1.00	10/26/2004 11:45	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/26/2004 11:45	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 13:05

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-V @ 25.5' Lab ID: 2004-10-0750 - 15  
Sampled: 10/22/2004 12:06 Extracted: 10/26/2004 11:45  
Matrix: Soil QC Batch#: 2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
2-Hexanone	ND	50	ug/Kg	1.00	10/26/2004 11:45	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Methylene chloride	ND	10	ug/Kg	1.00	10/26/2004 11:45	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/26/2004 11:45	
Naphthalene	ND	10	ug/Kg	1.00	10/26/2004 11:45	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Styrene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Toluene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
 Danville, CA 94526  
 Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-V @ 25.5'	Lab ID:	2004-10-0750 - 15
Sampled:	10/22/2004 12:06	Extracted:	10/26/2004 11:45
Matrix:	Soil	QC Batch#:	2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/26/2004 11:45	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
Total xylenes	ND	5.0	ug/Kg	1.00	10/26/2004 11:45	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	94.3	74-121	%	1.00	10/26/2004 11:45	
1,2-Dichloroethane-d4	100.3	70-121	%	1.00	10/26/2004 11:45	
Toluene-d8	95.0	81-117	%	1.00	10/26/2004 11:45	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-W @ 7.5 Lab ID: 2004-10-0750-17  
Sampled: 10/22/2004 12:32 Extracted: 10/26/2004 12:18  
Matrix: Soil QC Batch#: 2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Acetone	ND	50	ug/Kg	1.00	10/26/2004 12:18	
Benzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Bromobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Bromochloromethane	ND	20	ug/Kg	1.00	10/26/2004 12:18	
Bromoform	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Bromomethane	ND	10	ug/Kg	1.00	10/26/2004 12:18	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	10/26/2004 12:18	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Carbon disulfide	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Chloroethane	ND	10	ug/Kg	1.00	10/26/2004 12:18	
Chloroform	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Chloromethane	ND	10	ug/Kg	1.00	10/26/2004 12:18	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	10/26/2004 12:18	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	10/26/2004 12:18	
Dibromomethane	ND	10	ug/Kg	1.00	10/26/2004 12:18	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/26/2004 12:18	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 5035 Test(s): 8260B  
Sample ID: BH-W @ 7.5' Lab ID: 2004-10-0750 - 17  
Sampled: 10/22/2004 12:32 Extracted: 10/26/2004 12:18  
Matrix: Soil QC Batch#: 2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Ethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
2-Hexanone	ND	50	ug/Kg	1.00	10/26/2004 12:18	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Methylene chloride	ND	10	ug/Kg	1.00	10/26/2004 12:18	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	10/26/2004 12:18	
Naphthalene	ND	10	ug/Kg	1.00	10/26/2004 12:18	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Styrene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Toluene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 13:05

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s):	5035	Test(s):	8260B
Sample ID:	BH-W @ 7.5'	Lab ID:	2004-10-0750-17
Sampled:	10/22/2004 12:32	Extracted:	10/26/2004 12:18
Matrix:	Soil	QC Batch#:	2004/10/26-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	1.00	10/26/2004 12:18	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
Total xylenes	ND	5.0	ug/Kg	1.00	10/26/2004 12:18	
<b>Surrogate(s)</b>						
4-Bromofluorobenzene	64.4	74-121	%	1.00	10/26/2004 12:18	S6
1,2-Dichloroethane-d4	102.9	70-121	%	1.00	10/26/2004 12:18	
Toluene-d8	95.7	81-117	%	1.00	10/26/2004 12:18	

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/26-01.71-010

Soil

Test(s): 8260B

QC Batch # 2004/10/26-01.71

Date Extracted: 10/26/2004 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	10/26/2004 09:10	
Acetone	ND	50	ug/Kg	10/26/2004 09:10	
Benzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Bromodichloromethane	ND	5.0	ug/Kg	10/26/2004 09:10	
Bromobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Bromochloromethane	ND	20	ug/Kg	10/26/2004 09:10	
Bromoform	ND	5.0	ug/Kg	10/26/2004 09:10	
Bromomethane	ND	10	ug/Kg	10/26/2004 09:10	
2-Butanone(MEK)	ND	50	ug/Kg	10/26/2004 09:10	
n-Butylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
sec-Butylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
tert-Butylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Carbon disulfide	ND	5.0	ug/Kg	10/26/2004 09:10	
Carbon tetrachloride	ND	5.0	ug/Kg	10/26/2004 09:10	
Chlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Chloroethane	ND	10	ug/Kg	10/26/2004 09:10	
Chloroform	ND	5.0	ug/Kg	10/26/2004 09:10	
Chloromethane	ND	10	ug/Kg	10/26/2004 09:10	
2-Chlorotoluene	ND	5.0	ug/Kg	10/26/2004 09:10	
4-Chlorotoluene	ND	5.0	ug/Kg	10/26/2004 09:10	
Dibromochloromethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,3-Dichloropropane	ND	5.0	ug/Kg	10/26/2004 09:10	
2,2-Dichloropropane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1-Dichloropropene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	10/26/2004 09:10	
1,2-Dibromoethane	ND	10	ug/Kg	10/26/2004 09:10	
Dibromomethane	ND	10	ug/Kg	10/26/2004 09:10	
Dichlorodifluoromethane	ND	10	ug/Kg	10/26/2004 09:10	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/27/2004 13:05

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Batch QC Report**

Prep(s): 5035  
Method Blank  
MB: 2004/10/26-01-71-010

Soil

Test(s): 8260B  
QC Batch # 2004/10/26-01-71  
Date Extracted: 10/26/2004 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2-Dichloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1-Dichloroethene	ND	5.0	ug/Kg	10/26/2004 09:10	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	10/26/2004 09:10	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2-Dichloropropane	ND	5.0	ug/Kg	10/26/2004 09:10	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	10/26/2004 09:10	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	10/26/2004 09:10	
Ethylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Hexachlorobutadiene	ND	5.0	ug/Kg	10/26/2004 09:10	
2-Hexanone	ND	50	ug/Kg	10/26/2004 09:10	
Isopropylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
p-Isopropyltoluene	ND	5.0	ug/Kg	10/26/2004 09:10	
Methylene chloride	ND	10	ug/Kg	10/26/2004 09:10	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	10/26/2004 09:10	
Napthalene	ND	10	ug/Kg	10/26/2004 09:10	
n-Propylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Styrene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
Tetrachloroethene	ND	5.0	ug/Kg	10/26/2004 09:10	
Toluene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
Trichloroethene	ND	5.0	ug/Kg	10/26/2004 09:10	
Trichlorofluoromethane	ND	5.0	ug/Kg	10/26/2004 09:10	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	10/26/2004 09:10	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	10/26/2004 09:10	
Vinyl acetate	ND	50	ug/Kg	10/26/2004 09:10	

Sewern Trent Laboratories, Inc.

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10/27/2004 13:05



**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2004/10/26-01.71-010

Soil

Test(s): 8260B

QC Batch # 2004/10/26-01.71

Date Extracted: 10/26/2004 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl chloride	ND	5.0	ug/Kg	10/26/2004 09:10	
Total xylenes	ND	5.0	ug/Kg	10/26/2004 09:10	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	96.8	74-121	%	10/26/2004 09:10	
1,2-Dichloroethane-d4	101.4	70-121	%	10/26/2004 09:10	
Toluene-d8	94.7	81-117	%	10/26/2004 09:10	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

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10/27/2004 13:05

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/10/26-01.71

LCS 2004/10/26-01.71-037

Extracted: 10/26/2004

Analyzed: 10/26/2004 08:37

LCSD

Compound	Conc. ug/Kg		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	95.2		100.0	95.2			69-129	20		
Chlorobenzene	106		100.0	106.0			61-121	20		
1,1-Dichloroethene	101		100.0	101.0			65-125	20		
Toluene	100		100.0	100.0			70-130	20		
Trichloroethene	97.1		100.0	97.1			74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	481		500	96.2			74-121			
1,2-Dichloroethane-d4	500		500	100.0			70-121			
Toluene-d8	465		500	93.0			81-117			

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Batch QC Report**

Prep(s): 5035

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2004/10/26-01.71**

BH-W @ 7.5' >> MS

Lab ID: 2004-10-0750-017

MS: 2004/10/26-01.71-014

Extracted: 10/26/2004

Analyzed: 10/26/2004 15:14

Dilution: 1.00

MSD: 2004/10/26-01.71-048

Extracted: 10/26/2004

Analyzed: 10/26/2004 15:48

Dilution: 1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	93.6	88.2	ND	95.2	98.3	96.2	2.2	69-129	20		
Chlorobenzene	70.5	62.9	ND	95.2	74.1	68.6	7.7	61-121	20		
1,1-Dichloroethene	103	98.4	ND	95.2	108.2	107.3	0.8	65-125	20		
Toluene	91.8	88.1	ND	95.2	96.4	96.1	0.3	70-130	20		
Trichloroethene	94.3	87.2	ND	95.2	99.1	95.1	4.1	74-134	20		
<b>Surrogate(s)</b>											
4-Bromofluorobenzene	317	423		500	63.3	84.6		74-121		S6	
1,2-Dichloroethane-d4	594	574		500	118.8	114.7		70-121			
Toluene-d8	502	492		500	100.4	98.4		81-117			

Severn Trent Laboratories, Inc.

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10/27/2004 13:05

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

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**Legend and Notes**

---

**Analysis Flag**

I1

\*-Internal standard out of range.

**Result Flag**

S6

\*-Surrogate recoveries lower than acceptance limits.

**Aqua Science Engineers, Inc.**

November 02, 2004

208 West El Pintado Road  
Danville, CA 94526

Attn.: Robert Kitay

Project: Kozel

Dear Mr. Kitay,

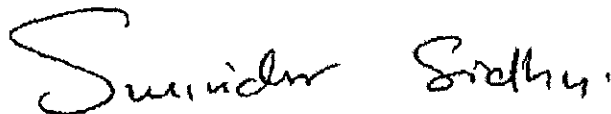
Attached is our report for your samples received on 10/22/2004 17:00  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
12/06/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,  
please call me at (925) 484-1919.

You can also contact me via email. My email address is: [ssidhu@stl-inc.com](mailto:ssidhu@stl-inc.com)

Sincerely,



Surinder Sidhu  
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-S	10/21/2004 14:30	Water	1
BH-T	10/21/2004 14:15	Water	2
BH-U	10/21/2004 15:45	Water	3
BH-W	10/21/2004 12:50	Water	4

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 18:11

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	BH-S	Lab ID:	2004-10-0740 - 1
Sampled:	10/21/2004 14:30	Extracted:	11/1/2004 06:38
Matrix:	Water	QC Batch#:	2004/11/01-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	520	50	ug/L	1.00	11/01/2004 16:06	
<b>Surrogate(s)</b> o-Terphenyl	80.5	60-130	%	1.00	11/01/2004 16:06	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 18:11

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 3510/8015M      Test(s): 8015M  
 Sample ID: **BH-T**      Lab ID: 2004-10-0740-2  
 Sampled: 10/21/2004 14:15      Extracted: 11/1/2004 06:38  
 Matrix: Water      QC Batch#: 2004/11/01-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	11000	250	ug/L	5.00	11/01/2004 15:51	
<b>Surrogate(s)</b> o-Terphenyl	NA	60-130	%	5.00	11/01/2004 15:51	S6



**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	<b>BH-U</b>	Lab ID:	2004-10-0740 - 3
Sampled:	10/21/2004 15:45	Extracted:	11/1/2004 06:38
Matrix:	Water	QC Batch#:	2004/11/01-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	1600	50	ug/L	1.00	11/01/2004 16:06	
<b>Surrogate(s)</b> o-Terphenyl	92.7	60-130	%	1.00	11/01/2004 16:06	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 18:11

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.  
Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: <b>BH-W</b>	Lab ID: 2004-10-0740 - 4
Sampled: 10/21/2004 12:50	Extracted: 11/1/2004 06:38
Matrix: Water	QC Batch#: 2004/11/01-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Mineral spirits	870000	100000	ug/L	2000.00	11/01/2004 16:19	
<b>Surrogate(s)</b> o-Terphenyl	NA	60-130	%	2000.00	11/01/2004 16:19	S6

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Batch QC Report**

Prep(s): 3510/8015M

Method Blank

MB: 2004/11/01-01.10-001

Water

Test(s): 8015M

QC Batch # 2004/11/01-01.10

Date Extracted: 11/01/2004 06:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/01/2004 12:10	
Mineral spirits	ND	50	ug/L	11/01/2004 12:10	
<b>Surrogates(s)</b> o-Terphenyl	88.1	60-130	%	11/01/2004 12:10	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 18:11

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/11/01-01:10**

LCS 2004/11/01-01:10-002

Extracted: 11/01/2004

Analyzed: 11/01/2004 12:10

LCSD 2004/11/01-01:10-003

Extracted: 11/01/2004

Analyzed: 11/01/2004 12:37

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	759	705	1000	75.9	70.5	7.4	60-130	25		
Surrogates(s) o-Terphenyl	16.7	16.5	20.0	83.6	82.3		60-130	0		

Sewern Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

11/01/2004 18:11

**TEPH w/ Silica Gel Clean-up**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

---

**Legend and Notes**

---

**Result Flag**

S6

Surrogate recoveries lower than acceptance limits.

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road

Danville, CA 94526

Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
BH-S	10/21/2004 14:30	Water	1
BH-T	10/21/2004 14:15	Water	2
BH-U	10/21/2004 15:45	Water	3
BH-W	10/21/2004 12:50	Water	4

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 12:31

**Volatile Organic Compounds by 8260B (Low Level)**

Aqua Science Engineers, Inc.

Attn.: Robert Kitay

208 West El Pintado Road  
Danville, CA 94526  
Phone: (925) 820-9391 Fax: (925) 837-4853

Project: Kozel

Received: 10/22/2004 17:00

Prep(s): 5030B Test(s): 8260B  
Sample ID: **BH-S** Lab ID: 2004-10-0740 - 1  
Sampled: 10/21/2004 14:30 Extracted: 10/27/2004 09:48  
Matrix: Water QC Batch#: 2004/10/27-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/27/2004 09:48	
Acetone	ND	50	ug/L	1.00	10/27/2004 09:48	
Benzene	ND	0.50	ug/L	1.00	10/27/2004 09:48	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/27/2004 09:48	
Bromobenzene	ND	1.0	ug/L	1.00	10/27/2004 09:48	
Bromochloromethane	ND	1.0	ug/L	1.00	10/27/2004 09:48	
Bromoform	ND	0.50	ug/L	1.00	10/27/2004 09:48	
Bromomethane	ND	1.0	ug/L	1.00	10/27/2004 09:48	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/27/2004 09:48	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 09:48	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 09:48	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/27/2004 09:48	
Carbon disulfide	ND	5.0	ug/L	1.00	10/27/2004 09:48	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/27/2004 09:48	
Chlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 09:48	
Chloroethane	ND	1.0	ug/L	1.00	10/27/2004 09:48	
Chloroform	ND	1.0	ug/L	1.00	10/27/2004 09:48	
Chloromethane	ND	1.0	ug/L	1.00	10/27/2004 09:48	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 09:48	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/27/2004 09:48	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/27/2004 09:48	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 09:48	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 09:48	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/27/2004 09:48	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/27/2004 09:48	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/27/2004 09:48	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/27/2004 09:48	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/27/2004 09:48	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/27/2004 09:48	
Dibromomethane	ND	0.50	ug/L	1.00	10/27/2004 09:48	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/27/2004 09:48	

Severn Trent Laboratories, Inc.

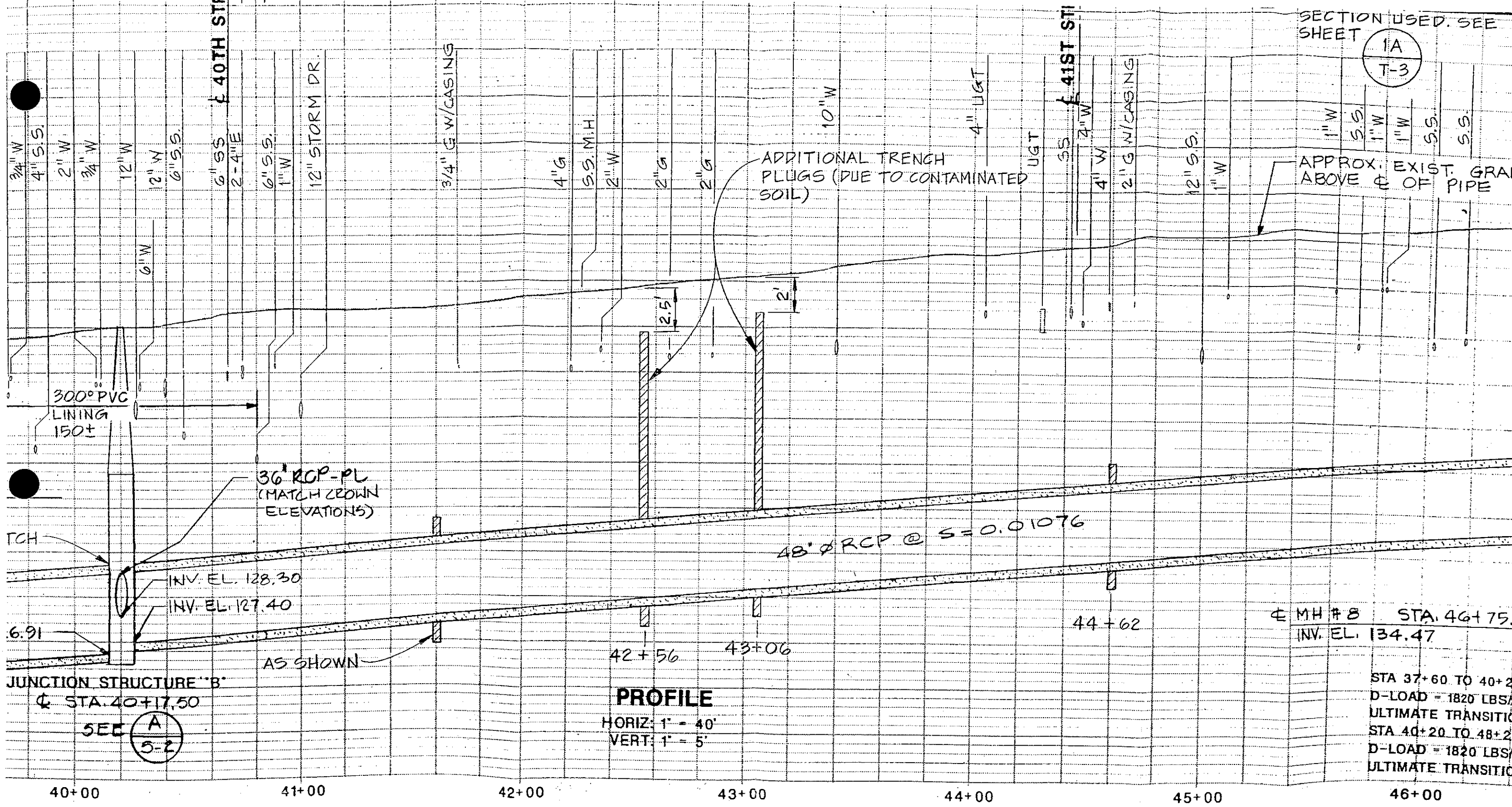
STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/29/2004 12:31

SECTION USED. SEE SHEET

1A  
T-3



300° PVC LINING 150±

36" RCP-PL (MATCH BROWN ELEVATIONS)

ADDITIONAL TRENCH PLUGS (DUE TO CONTAMINATED SOIL)

APPROX. EXIST. GRAD ABOVE & OF PIPE

JUNCTION STRUCTURE "B" @ STA. 40+17.50  
INV. EL. 128.30  
INV. EL. 127.40

48" RCP @ S = 0.01076

MANHOLE # 8 STA. 44+62  
INV. EL. 134.47

**PROFILE**  
HORIZ: 1" = 40'  
VERT: 1" = 5'

STA 37+60 TO 40+20  
D-LOAD = 1820 LBS/FT  
ULTIMATE TRANSITION  
STA 40+20 TO 48+20  
D-LOAD = 1820 LBS/FT  
ULTIMATE TRANSITION

**COLLO ANTS**  
A JOINT VENTURE

NO.	DATE	REVISION	BY	REC.	APP.
		AS BUILT	RW		
		IN SERVICE			

**WET WEATHER PROGRAM**  
**ADELINE STREET INTERCEPTOR**

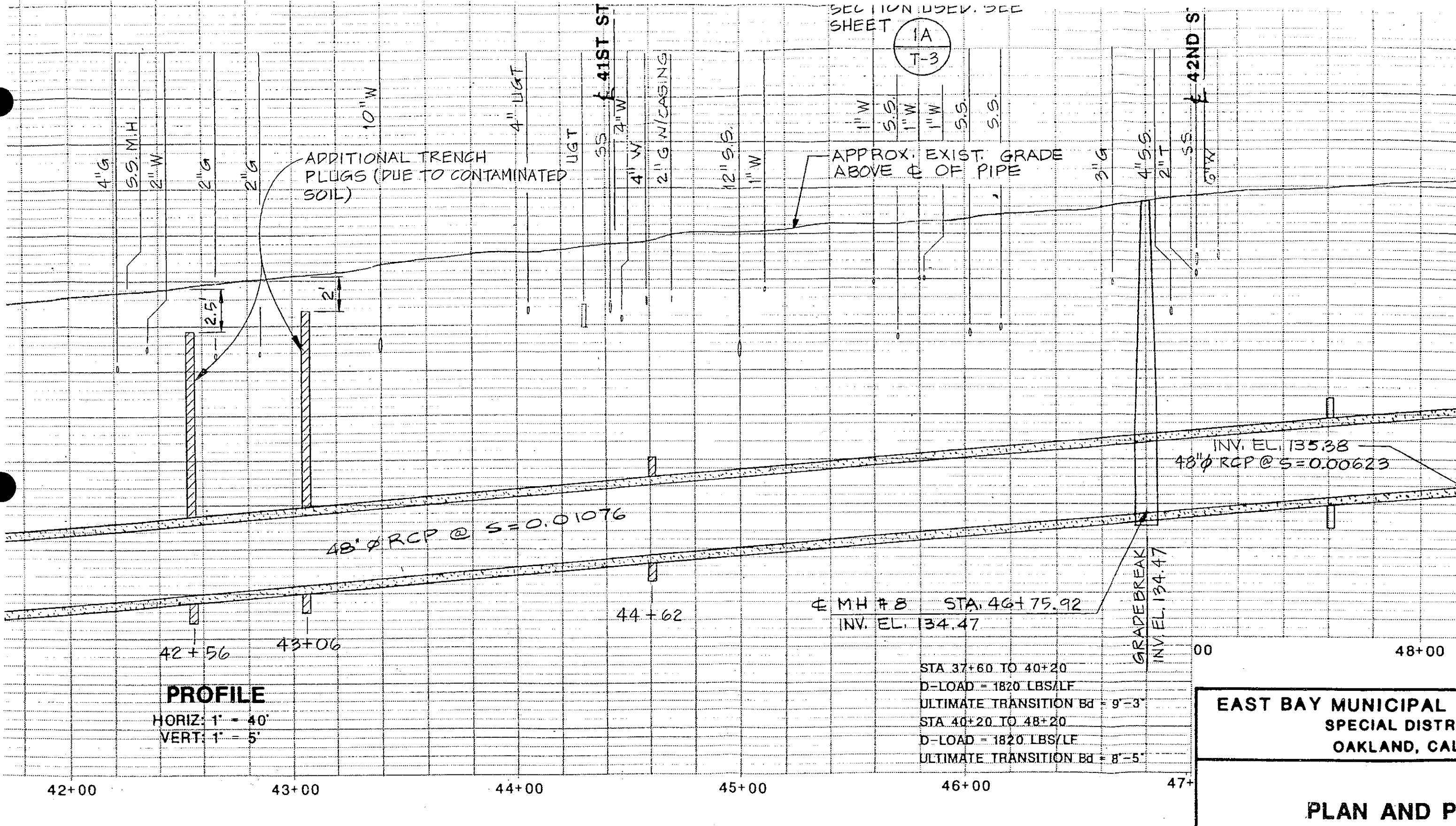
DESIGNED BY	RLS/PF
DESIGN CHECKED BY	TDH
DRAWN BY	JCE
SR. PROJ. ENGR.	WL
APPROVED	
PRINCIPAL-IN-CHARGE, R.P.E. NO. C	

PROJECT ENG. R.P.E. No. C44278  
PROJECT MGR. R.P.E. No. C31866  
MGR. OF SUPPORT ST. R.P.E. No. C30978  
*Michael J. Walters*  
MANAGER OF WASTE  
R.P.E. NO. C 26855



SECTION USED. SEE SHEET

1A  
T-3



**PROFILE**

HORIZ: 1" = 40'  
VERT: 1" = 5'

STA 37+60 TO 40+20  
D-LOAD = 1820 LBS/LF  
ULTIMATE TRANSITION Bd = 9'-3"

STA 40+20 TO 48+20  
D-LOAD = 1820 LBS/LF  
ULTIMATE TRANSITION Bd = 8'-5"

**EAST BAY MUNICIPAL UT  
SPECIAL DISTRICT  
OAKLAND, CALIF**

**PLAN AND PR**

STA. 37+60 TO STA.

BUILT	INSP.			
ION	BY	REC.	APP.	

**WET WEATHER PROGRAM  
ADELINE STREET INTERCEPTOR**

DESIGNED BY	RLS/PF
DESIGN CHECKED BY	TDH
DRAWN BY	JCE
SP. PROJ. ENGR.	WL
APPROVED	
PRINCIPAL-IN-CHARGE, R.P.E. NO. C	

PROJECT ENG.  
R.P.E. No. C44278

PROJECT MGR.  
R.P.E. No. C31066 *Michael J. Wallis*

MGR. OF SUPPORT SERVICES  
R.P.E. No. C30878

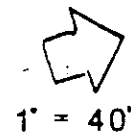
*Michael J. Wallis*  
MANAGER OF WASTEWATER  
R.P.E. NO. C 26855

*Walter F. Bishop*

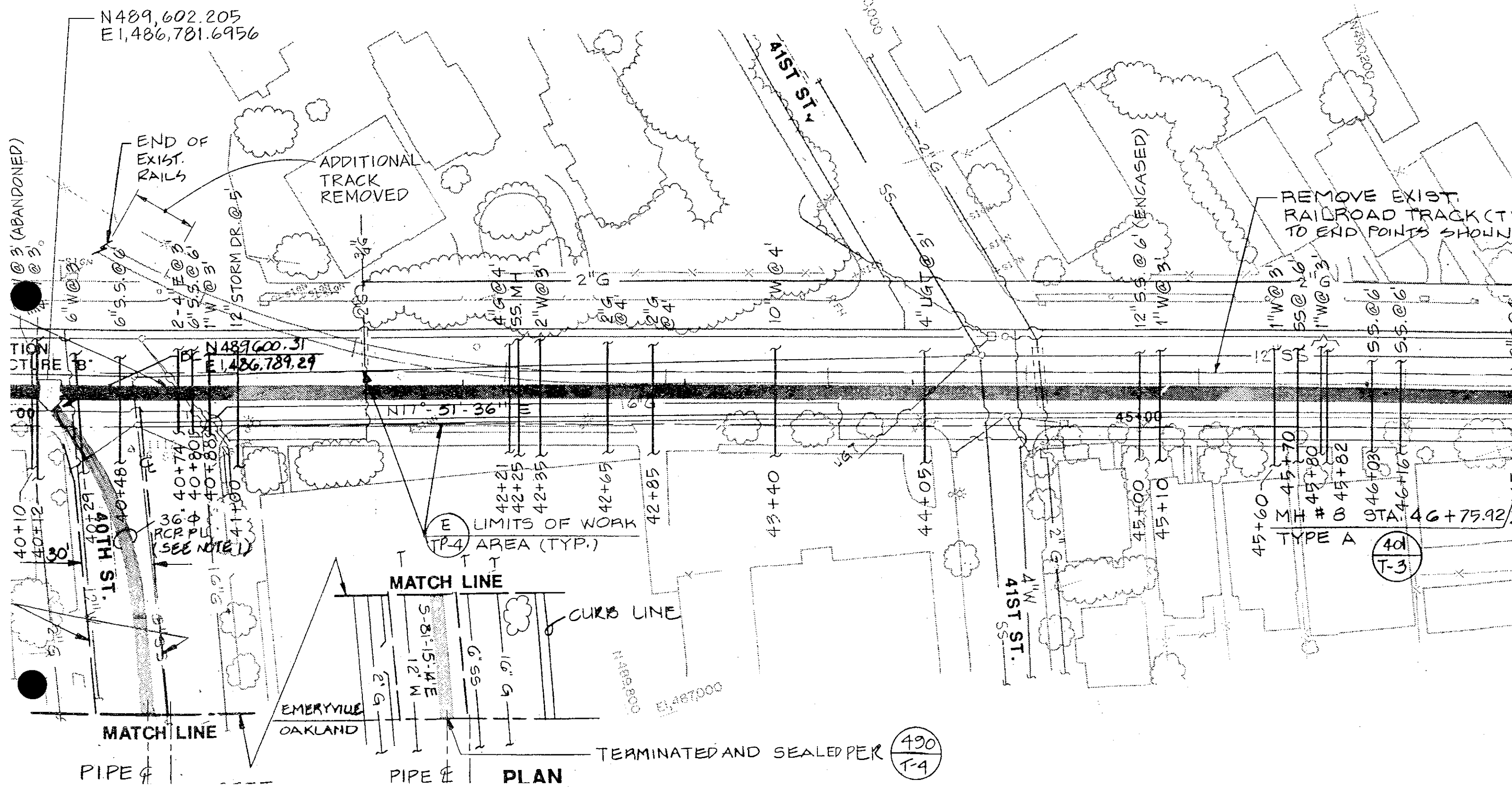
DRAWN BY		DRAWING
SCALE	AS SHOWN	
DATE	APRIL 1990	SHI

MATCH LINE STA. 48+20 SEE DWG. P-6

NOTE 1: INSTALLED 200 ± 36" φ RCP-PL FROM JUNCTION STRUCTURE B EASTERLY ALONG 40<sup>TH</sup> STREET AS INDICATED @ S = 0.0090 D-LOAD FOR THIS PIPE IS 1820 LBS/LF



E1,485,800



N489,602.205  
E1,486,781.6956

END OF EXIST. RAILS

ADDITIONAL TRACK REMOVED

REMOVE EXIST. RAILROAD TRACK (TYP) TO END POINTS SHOWN

JUNCTION STRUCTURE B  
N489,600.31  
E1,486,789.29

LIMITS OF WORK  
TR-4 AREA (TYP.)

MATCH LINE

CURB LINE

EMERYVILLE  
OAKLAND

TERMINATED AND SEALED PER 490 T-9

PIPE #

PIPE #

PLAN

45+60	MH # 8	STA 46+75.92
45+70		
45+80		
45+82		
46+03		
46+16		
46+45		

401  
T-3

490  
T-9

