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**Delta**  
Environmental  
Consultants, Inc.

ENVIRONMENTAL  
MANAGEMENT, INC.

May 15, 2003  
KHM Project C85-6750 Santa Rita

Mr. Scott O. Seery  
Alameda County Health Care Services  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Alameda County  
MAY 19 2003  
Environmental Health

Re: Site Conceptual Model,  
Sensitive Receptor Study and Site Assessment Work Plan  
Shell Service Station  
6750 Santa Rita Road  
Pleasanton, California

Dear Mr. Seery:

KHM Environmental Management, Inc. (KHM), on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), has prepared a site conceptual model, sensitive receptor study and a soil and groundwater assessment work plan for the site referenced above (Figure 1). The work plan and associated tasks are prepared in response to a letter to Shell from the Alameda County Health Care Services Agency, Environmental Health Services (ACHCSA) dated March 24, 2003.

## BACKGROUND

The following sections provide a current site description and environmental data obtained from previous site activities.

## SITE DESCRIPTION

The site is currently the location of an active Shell-branded service station. The station consists of a small convenience store, ten fuel dispensers, car wash, storage, and restroom building, and four underground fuel storage tanks (USTs). The station layout is shown on

Figure 2. The service station is located in the northwest corner of a shopping center with which it shares common driveways (Figure 3).

## GRASP

Shell's Groundwater Assessment Program (GRASP) activities, initiated at the site on October 8, 2002, revealed detectable concentrations of petroleum hydrocarbons in the subsurface soil and groundwater. GRASP is a voluntary initiative by Shell to install groundwater monitoring wells at numerous retail service stations nationwide that do not have any active release cases but have been identified to be in close proximity to one or more public water supply wells.

On October 8 and 9, 2002, KHM supervised the drilling and installation of four groundwater monitoring wells (MW-1 through MW-4). Well locations are shown on Figure 2. KHM submitted a site assessment report to the Livermore-Pleasanton Fire Department dated February 7, 2003. A copy of the report was also sent to Mr. Chuck Headlee at the California Regional Water Quality Control Board-San Francisco Bay Region and Ms. Donna Drogos at the ACHCSA.

Borings for wells MW-1 through MW-4 encountered primarily clay with intervening layers of sand, clayey sand, silty sand, and gravelly clay to their total depths of 42.5, 42.5, 44.5 and 44.5 feet below ground surface (bgs), respectively. Boring logs are provided as Attachment A. Groundwater was encountered in borings at a depth ranging from 32 to 34.5 feet bgs. The location and elevation of the four site wells was established by a licensed surveyor. Depth to water in wells was measured on December 20, 2002 and March 28, 2003. The groundwater flow direction was determined to be to the south-southwest on both occasions (Figure 2).

Methyl tert-butyl ether (MTBE), total purgeable petroleum hydrocarbons as diesel (TPH-d) and tert-butanol (TBA) were detected in groundwater samples from the four site monitoring wells. MTBE concentrations in groundwater ranged from 62 micrograms per liter (ug/l) to 8,000 ug/l. TPH-d concentrations in groundwater ranged from 72 ug/l to 120 ug/l and TBA was detected at a concentration of 1,500 ug/l. Highest concentrations of MTBE and TBA were detected in groundwater samples from well MW-3 located south (downgradient) of the station fuel dispensers and USTs (Figure 4).

Based on the detection of MTBE in soil and groundwater, KHM/Shell submitted an Unauthorized Release Report to the Livermore-Pleasanton Fire Department dated February 7, 2003.

## **FUEL SYSTEM REMOVAL/REPLACEMENT**

In November 2002, the site USTs, product piping, and fuel dispensers were removed and replaced with an upgraded system. Soil sampling was performed by KHM under the direction of Mr. Paul Smith of the Livermore-Pleasanton Fire Department. KHM submitted a report to Mr. Smith dated December 19, 2002 presenting the results of soil and groundwater analyses. MTBE and TBA were detected in soil and groundwater beneath the USTs. Maximum MTBE and TBA concentrations in soil from the base of the UST excavation were 2.5 micograms per kilogram (mg/kg) and 6.1 mg/kg, respectively (Table 1). Clay soil was observed in the sides and base of the UST excavation.

Groundwater was observed in the UST excavation at a depth of approximately 12 to 13 feet bg. The groundwater appeared to be perched within the excavation above the level of the groundwater monitored by site wells (30 feet bgs.). MTBE was detected in two water samples from the excavation at concentrations of 11,000 ug/l and 8,000 ug/l (Table 2). Total petroleum hydrocarbons as gasoline (TPH-g) and TPH-d were detected in the water samples at maximum concentration of 9,300 ug/l and 55,000 ug/l, respectively. Approximately 17,000 gallons of water were pumped from UST excavation into a 20,000 gallon Baker tank. The water was transported to Shell's Martinez, California refinery for recycling.

## **GROUNDWATER MONITORING**

The four site groundwater monitoring wells (MW-1 through MW-4) are being sampled on a quarterly basis. The wells were last sampled on March 28, 2003. The only analytes detected to date have been MTBE and TBA. A summary of analytical data is provided in Table 3. Groundwater analytical data is included as Attachment B. The maximum concentrations of MTBE and TBA were detected in the groundwater sample from Well MW-3 at 10,000 ug/l and 6,100 ug/l, respectively. A quarterly groundwater monitoring report containing the most recent data is being prepared for submittal to the ACHCSA and RWQCB.

## **ACHCSA CORRESPONDENCE**

In a letter to Shell dated March 24, 2003, the ACHCSA requested that a work plan be prepared to delineate the extent of soil and groundwater contamination. The letter requested that the work plan contain a preferential pathway study, site conceptual model (SCM), and plan to define the three-dimensional extent of contamination in soil and groundwater. In a letter to the ACHSA dated April 30, 2003, KHM requested an extension of the ACHCSA work plan submittal date of May 9, 2003 in order to complete the initial required studies. KHM proposed an extension for submittal of the work plan to May 23, 2003. KHM also contacted Mr. Scott Seery of the ACHCSA by telephone on May

6, 2003 again notifying him of the proposed May 23, 2003 submittal date. Mr. Seery told KHM to proceed.

## WORK PLAN

KHM is preparing this work plan to address the three items requested by the ACHCSA; a Preferential Pathway Study, Site-Conceptual Model (SCM) and Soil and Groundwater Contaminant Plume Definition.

### PREFERENTIAL PATHWAY STUDY

ACHCSA requested that a conduit and well survey be performed as part of a preferential pathway study. KHM has completed an initial conduit and sensitive receptor study. Using the State Water Resources Control Board (SWRCB) GeoTracker GIS Database and a map provided by the Zone 7 Water Resources Management District (Zone 7), two water supply wells were identified within 3,000 feet of the site. The Geotracker and Zone 7 well location maps are provided as Attachment C. A well, designated as 3S/1E 5R1 on the Zone 7 well location map, is located approximately 1870 feet west-southwest of the site. A visit to the well location found it to be a private well located in the parking lot of a car storage business. The well was 8-inches in diameter, has a submersible pump, and an adjacent approximately 100 gallon pressure tank. The depth of the well is reported to be 101 feet.

A municipal water supply well was identified approximately 3000 feet south of the site. The well is designated as Well No. 0110010-010 or the Zone 7 Stoneridge Well by the Geotracker database and as well 3S/1E 9B 1 on the Zone 7 map. Mr. Wyman Hong of Zone 7 told KHM that the first well screen is 250 feet bgs. Mr. Hong provided the following stratigraphic information from the well drillers report:

Depth (feet)	Soil Description
0 to 2	Fill, gravel
2 to 27	Brittle brown clay
27 to 91	Coarse sand and gravel
91 to 103	Large unconsolidated gravel (1/2")
103 to 107	Blue-gray clay
107 to 133	Sand and gravel (coarse)
133 to 175	Silty gray clay
175 to 183	Sandy brown clay
183 to 192	Coarse sand and medium gravel

No other water supply wells were identified within 3,000 feet of the site. KHM will contact the California Department of Water Resources to obtain additional information on

the location of any inactive, standby, destroyed, or abandoned wells within ½ mile of the site.

No surface water bodies were identified within ½-mile of the site. KHM performed a review of the USGS Livermore topographic quadrangle and a 1993 air photo of the site area and performed a reconnaissance of the site area. An approximately 20-foot deep flood control channel exists between the site and the water supply well (see maps and air photo in Attachment C).

KHM has performed an initial survey of the location of underground utilities in the site area. A detailed map of underground utilities will be provided in the site soil and groundwater investigation (SWI) report. KHM has determined that underground utilities do not provide a preferential pathway for migration of petroleum hydrocarbons to underlying groundwater. Groundwater at the site was encountered at a depth of over 30 feet bg. Surficial soils are clay which inhibits vertical migration of fluids. The four well borings encountered no conduits, open or closed rootholes, roots or bedding plane gaps that would provide any natural preferential vertical pathways. No underground utilities were identified in the area of the USTs.

## **SITE CONCEPTUAL MODEL**

An initial SCM has been developed using hydrogeologic data from borings for the site GRASP monitoring wells, observations from the UST removals/replacements, and the initial sensitive receptor study. The key elements of the SCM are summarized below:

- The site area appears to be underlain by both fine-grained and coarse-grained alluvial deposits. The log for a water supply well (3S/1E 9B1 Stoneridge Well) located 3,000 feet southwest of the site indicates that the near surface deposits consist of clay (0 to 27 feet) underlain by coarse sand and gravel to a depth 103 feet.
- The Zone 7 Water Resources Management District uses a flood control channel and gravel quarry within one-mile of the site for groundwater recharge.
- Soils beneath the site are primarily clay to a depth of approximately 30 to 40 feet bg. Below a depth of 30 to 40 feet, borings encountered interlayered sand, clayey sand, silty sand, and gravelly clay to the total explored depth of 44.5 feet bgs.
- Groundwater is first encountered at approximately 32 feet bgs. in interlayered sand and clay
- The flow direction of groundwater monitored by site wells is to the south-southwest.
- Perched groundwater was present in the UST gravel backfill for some period of time prior to November 2002. This fluid, containing dissolved MTBE, was removed during UST replacement activities in November/December 2002.

- No on-going releases are occurring at the service station. All the product piping, dispensers and USTs were removed and replaced in November-December 2002.
- Underground site utilities are not anticipated to act as preferential pathways due to the depth of the first encountered groundwater and clay surficial deposits.
- MTBE has moved downward through the vadose zone beneath the former USTs until groundwater was encountered at a depth of approximately 32 feet bgs.
- The first encountered groundwater appears to be the upper portion of a sand and gravel aquifer extending to a depth of approximately 107 feet bgs.
- Dissolved MTBE and TBA are migrating southward with the flow of the first encountered groundwater. MTBE and TBA have moved off-site beneath the parking area of the adjoining shopping center.
- No surface water bodies are threatened by the presence of MTBE and TBA in first encountered groundwater.
- It is assumed that the nearest municipal water supply well will not be impacted by the presence of MTBE and TBA in first encountered groundwater due to the distance from the site (3,000 feet) and the depth of the well (upper most screened interval 250 to 290 feet bgs).

## **CONTAMINANT PLUME DEFINITION – SOIL AND GROUNDWATER**

KHM proposes to use cone penetration testing (CPT) to initially define site stratigraphy to a depth of approximately 110 feet bgs. CPT equipment will also be used to obtain discrete groundwater samples at various depths within the sand and gravel aquifer beneath the site. The CPT will be followed with installation of a series of multilevel groundwater monitoring wells.

### **CPT BORINGS**

KHM proposes to perform CPT on-site and in the shopping center parking lot south (downgradient) of the service station (Figure 3). KHM has selected three locations for CPT. At each location, the CPT equipment will initially be advanced to a depth of approximately 110 feet bg. The log for the Stoneridge well indicates that a clay layer was encountered at a depth of approximately 103 feet beneath a sand and gravel extending from 27 to 103 feet bg. The log from the initial CPT boring will be reviewed and groundwater sampling depths selected based on the thickness of clay, silt, sand, and gravel shown on the CPT boring log. Subsequent CPT borings will be drilled at each location to obtain a discrete water sample at a specific depth. A small diameter bailer will be lowered through the drilling rods and the body of the CPT sampler to collect one discrete groundwater sample in each borehole. KHM anticipates obtaining groundwater from at least three

depth intervals at each location. Each borehole will be filled with cement grout upon completion.

Chemical analysis will be performed on the groundwater sample from each CPT borehole. Groundwater samples will be analyzed for TPH-g, TPH-d, benzene, toluene, ethylbenzene, and xylene (BTEX compounds) and fuel oxygenates by EPA Method 8260B. KHM will prepare a project progress report describing the results of the CPT investigation and proposing the location and depths of groundwater off-site downgradient monitoring wells.

## **MONITORING WELL INSTALLATIONS**

KHM will confirm CPT stratigraphic logs by the drilling of a series of borings which will be converted to groundwater monitoring wells. Groundwater monitoring wells will be used to determine the vertical and horizontal components of groundwater flow and to provide for long-term monitoring of MTBE and TBA concentrations in groundwater. Wells will be designed based on the information from the CPT investigation described above. KHM anticipates one or more multiple well installations to monitor groundwater conditions at various depths in the 27- to 103-foot sand and gravel aquifer found in the boring for the Stoneridge well.

KHM will obtain drilling permits from the Zone 7 Water Agency prior to commencement of any fieldwork. The proposed boring/well locations will be marked and Underground Service Alert (USA) will be notified and a private locating service used to identify any underground utilities. The drilling equipment will be provided and operated by Gregg Drilling (License C57- 485165).

A continuous soil core will be obtained from a boring at each well location from the ground surface to the total depth of the boring. Each soil boring will be advanced using 10-inch diameter hollow stem augers. Discrete soil samples will be retained in 2-inch diameter brass tubes at 5-foot intervals, from depth intervals of obvious contamination, the soil/groundwater interface and at each lithologic change. Soil samples will be capped with tight fitting plastic caps, placed in sealed plastic bags, and placed in a cooler with ice for transportation to Severn Trent Laboratories, Inc. (STL- San Francisco) in Pleasanton, California. A photo-ionization detector (PID) will be used to measure soil hydrocarbon concentrations at 5-foot intervals. The PID soil samples will be placed in a sealed plastic bag. After approximately 5-minutes, the PID probe will be inserted into the plastic bag and soil gas allowed to pass through the PID until readings stabilize. The resulting concentration reading will be recorded on the geologist's field log.

The field geologist will carefully examine the continuous soil core sample as it is collected. Soils will be classified based on the Unified Soil Classification System using the American Society for Testing and Materials (ASTM) Method D-2487 published in May 2000. In

addition to classifying the soils, the geologist will examine the core for such features as root-holes, fractures, mineralization, and thin micro-bedding.

Groundwater wells will be installed using 4-inch diameter casing and manufactured well screen. The well screens will be designed based on the grain-size distribution of sands and gravels encountered in the well borehole. Wells will be developed by a surge-block and pumping method until clean sediment free groundwater is produced. Approximately 72-hours after development, the wells will be sampled by Blaine Tech Services using a submersible pump. Groundwater will be decanted into laboratory provided 40-milliliter glass vials, placed in a cooler with ice for transport to STL-San Francisco.

All downhole drilling tools will be decontaminated between holes. The decontamination process will consist of multiple wash and rinse cycles. The first washing involves scrubbing all trace soil or contaminants from the drilling tools, then washing them with a non-phosphate detergent and water. Following the initial washing with detergent, the tools are then dip-rinsed and sprayed with water. A final rinse is performed using deionized water that is poured directly over the sampling tools, followed by placement into a clean container for air drying.

## **ANALYTICAL TESTING**

Soil samples from each borehole will be selected for chemical analysis based on PID screening data. Soil samples will be selected to confirm the distribution of any petroleum hydrocarbons indicated by the field PID readings.

Chemical analysis will be performed on the groundwater sample from each borehole. Soil and groundwater samples will be analyzed for TPH-g, TPH-d, BTEX compounds and fuel oxygenates MTBE and TBA by EPA Method 8260B.

## **SOIL AND GROUNDWATER INVESTIGATION REPORT**

KHM will prepare a soil and water investigation (SWI) report describing field methods and summarizing the results of chemical analyses of soil and groundwater. The report will contain boring logs, certified analytical reports, chain of custody documentation, and waste disposal information. The SWI report will contain proposed well locations and screen depths/lengths based on the results of the SWI and the refined SCM. Incorporated into the SWI will be detailed clearly-scaled cross-sections. Cross-sections will clearly illustrate subsurface lithologies, including the locations of stringers and other zones of relatively high-permeability. Approximately 60 days after the completion of the SWI, the SWI report including the revised SCM will be submitted. The well installation process will begin as soon as the SWI report has been reviewed and well types and locations accepted. Upon completion of the installation of the offsite monitoring wells a groundwater pumping test will be done to further advance the SCM.



## INTERIM REMEDIATION ACTIVITIES

In May 2003, Shell will initiate twice monthly groundwater extraction from Wells MW-2 and MW-3, the wells with the highest MTBE concentrations (4,200 ug/l and 10,000 ug/l, respectively). Groundwater will be extracted from the wells by a vacuum truck and transported to the Shell refinery in Martinez, California for recycling.

## PROPERTY OWNER

KHM has identified the property owner as:

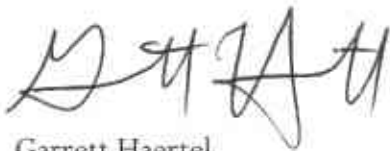
Equilon Enterprises LLC  
c/o Stewart Title Company  
1980 Port Oak Blvd. #110  
Houston, Texas 77056

Equilon Enterprises LLC will be represented by Ms. Karen Petryna, Shell's environmental engineer for the site area. Ms. Petryna will receive copies of all documents related to the existence of petroleum hydrocarbons in soil and groundwater beneath the subject property.

If you have any questions regarding this site, please contact Lee Dooley (KHM) at (408) 224-4724.

Sincerely,

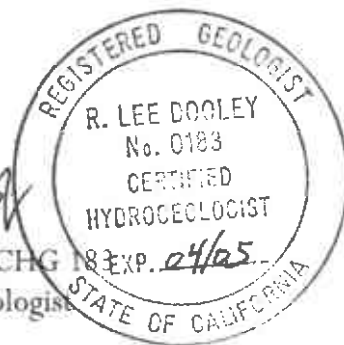
**KHM Environmental Management, Inc.**



Garrett Haertel  
Staff Engineer



R. Lee Dooley, CHG  
Senior Hydrogeologist



ATTACHMENTS: Table 1 – Summary of Tank Pull Soil Analytical Data  
Table 2 – Summary of Tank Pull Water Analytical Data  
Table 3 – Groundwater Gauging and Analytical Data

Figure 1 – Site Location Map  
Figure 2 – Groundwater Elevation Contour Map, December 20,  
2002  
Figure 3 – Extended Site Map  
Figure 4 – Hydrocarbon Distribution in Groundwater Map

Attachment A – Boring Logs  
Attachment B – Analytical Results for Soil and Groundwater  
Samples  
Attachment C – Sensitive Receptor Maps/Photo

cc: Ms. Karen Petryna, P.E., Shell Oil Products US, P.O. Box 7869, Burbank, CA 91501-7869

**TABLE 1**  
**SUMMARY OF TANK PULL SOIL ANALYTICAL DATA**  
 6750 Santa Rita Road  
 Pleasanton, California

Sample I.D.	Sample Collection Date	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	DIPE	ETBE	TAME	TBA
MW-2 20'	10/08/02	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3 20'	10/09/02	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5

**Notes:**  
 All data reported in milligrams per kilogram (mg/kg)  
 TPH-g - Total Petroleum Hydrocarbons as gasoline  
 MTBE - Methyl tert-butyl ether  
 DIPE - Di-isopropyl ether  
 ETBE - Ethyl tert-butyl ether  
 TAME - Tert-amyl methyl ether  
 TBA - Tert-Butanol  
 <n = Below the detection limit  
 TPH-g quantified using EPA Method 8260B  
 BTEX Compounds, MTBE, DIPE, ETBE, TAME, and TBA analyzed using EPA Method 8260B

**Table 2**  
**Summary of Tank Pull Water Analytical Data**

Shell Service Station  
 6750 Santa Rita Road  
 Pleasanton, California

Sample Designation	Date Sampled	Depth (feet)	TPG-D (ug/l)	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethlybenzene (ug/l)	Xylene (ug/l)	MTBE (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)
<b>Tank Pit Sample</b>													
T-2P-W	11/6/2002	14	55,000	7,300	210	1,100	81	900	11,000	NA	NA	NA	NA
TP-W	11/6/2002	14	840	9,300	270	1,800	130	1,100	8,000	NA	NA	NA	NA

All analysis performed by EPA Method 8260B

mg/kg = milligrams per kilogram

TPH-g = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tert-butyl ether

DIPE = Diisopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = Tert-amyl methyl ether

TBA = Tert-Butanol

NA = Not analyzed

ND = Not detected

ND = Not detected

**TABLE 3**  
**GROUNDWATER GAUGING AND ANALYTICAL DATA**  
 6750 Santa Rita Road  
 Pleasanton, California

Sample I.D.	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	TOC Elevatio n <sup>1</sup> (feet)	Depth to GW (feet)	SPH Thickn. (feet)	GW Elev. <sup>1</sup> (feet)
<b>MW-1</b>	12/20/02	<50	<b>81</b>	<0.50	<0.50	<0.50	<0.50	<b>62</b>	<2.0	<2.0	<2.0	<50	343.48	31.93	0.00	311.55
<b>MW-1</b>	03/28/03	<50	<b>70</b>	<0.50	<0.50	<0.50	<1.0	<b>130</b>	<2.0	<2.0	<2.0	<b>43</b>	343.48	31.59	0.00	311.89
<b>MW-2</b>	12/20/02	<200	<b>120</b>	<2.0	<2.0	<2.0	<2.0	<b>660</b>	<2.0	<2.0	<2.0	<50	342.86	30.70	0.00	312.16
<b>MW-2</b>	03/28/03	<2500	<b>60</b>	<25	<25	<25	<50	<b>4,200</b>	<100	<100	<100	<b>2,500</b>	342.86	30.30	0.00	312.56
<b>MW-3</b>	12/20/02	<2000	<b>72</b>	<20	<20	<20	<20	<b>8,000</b>	<20	<20	<20	<b>1,500</b>	342.23	31.10	0.00	311.13
<b>MW-3</b>	03/28/03	<5000	<b>89</b>	<50	<50	<50	<100	<b>10,000</b>	<200	<200	<200	<b>6,100</b>	342.23	30.76	0.00	311.47
<b>MW-4</b>	12/20/02	<50	<50	<0.50	<0.50	<0.50	<0.50	<b>93</b>	<2.0	<2.0	<2.0	<50	343.44	32.20	0.00	311.24
<b>MW-4</b>	03/28/03	<50	<b>67</b>	<0.50	<0.50	<0.50	<1.0	<b>2.4</b>	<2.0	<2.0	<2.0	<5.0	343.44	32.07	0.00	311.37

**Notes:**

All data reported in micrograms per liter (µg/l)

TOC = Top of well casing

SPH = Separate-phase hydrocarbons

TPH-G = Total Petroleum Hydrocarbons as Gasoline

MTBE = Methyl tert-butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = Tert-amyl methyl ether

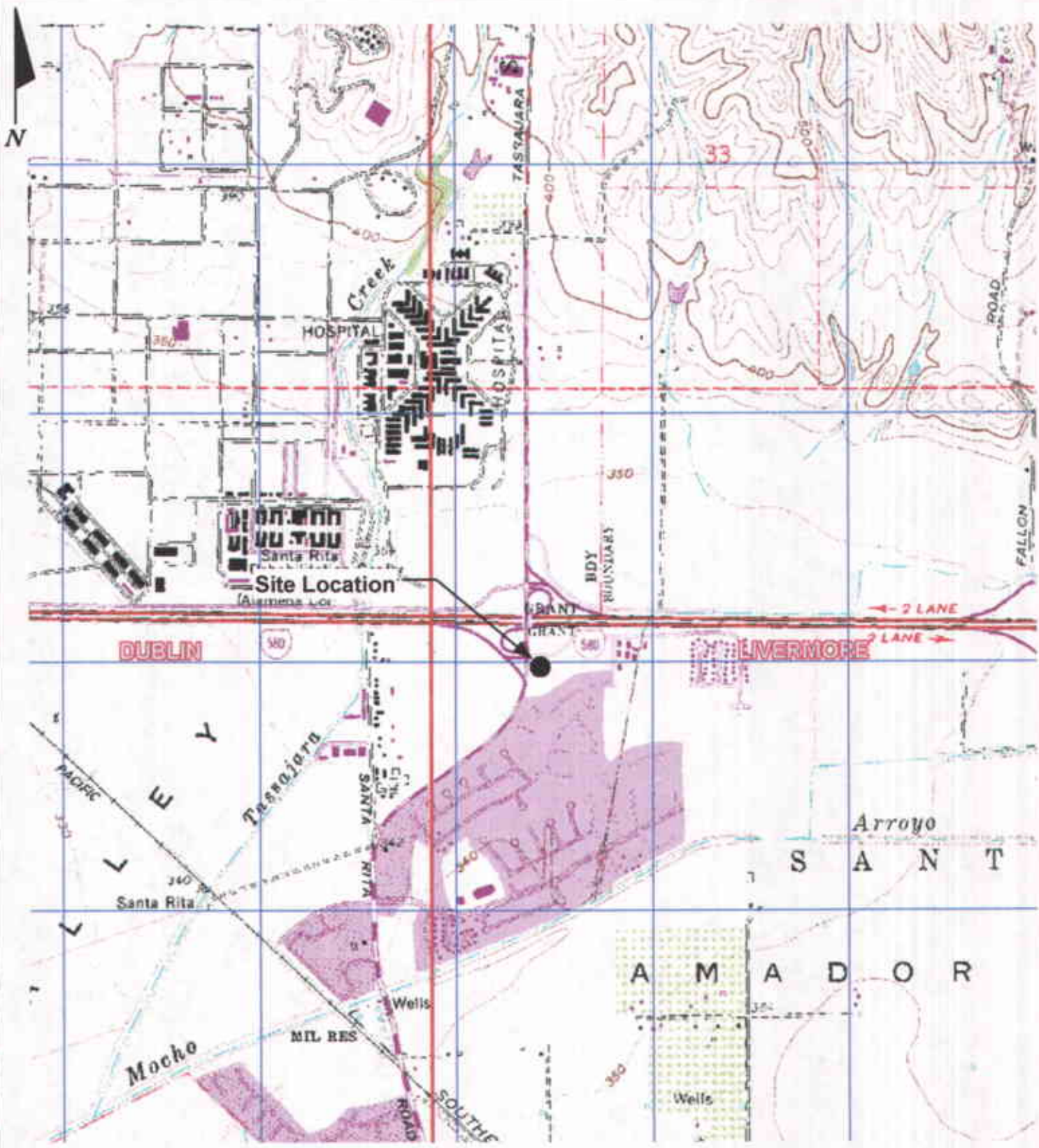
TBA = Tert-Butanol

<n = Below the detection limit

TPH-G quantified using EPA Method 8260B

BTEX Compounds, MTBE, DIPE, ETBE, TAME, and TBA analyzed using EPA Method 8260B

<sup>1</sup>TOC elevation and groundwater elevation relative to Mean Sea Level



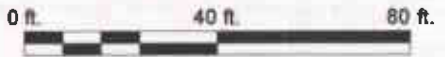
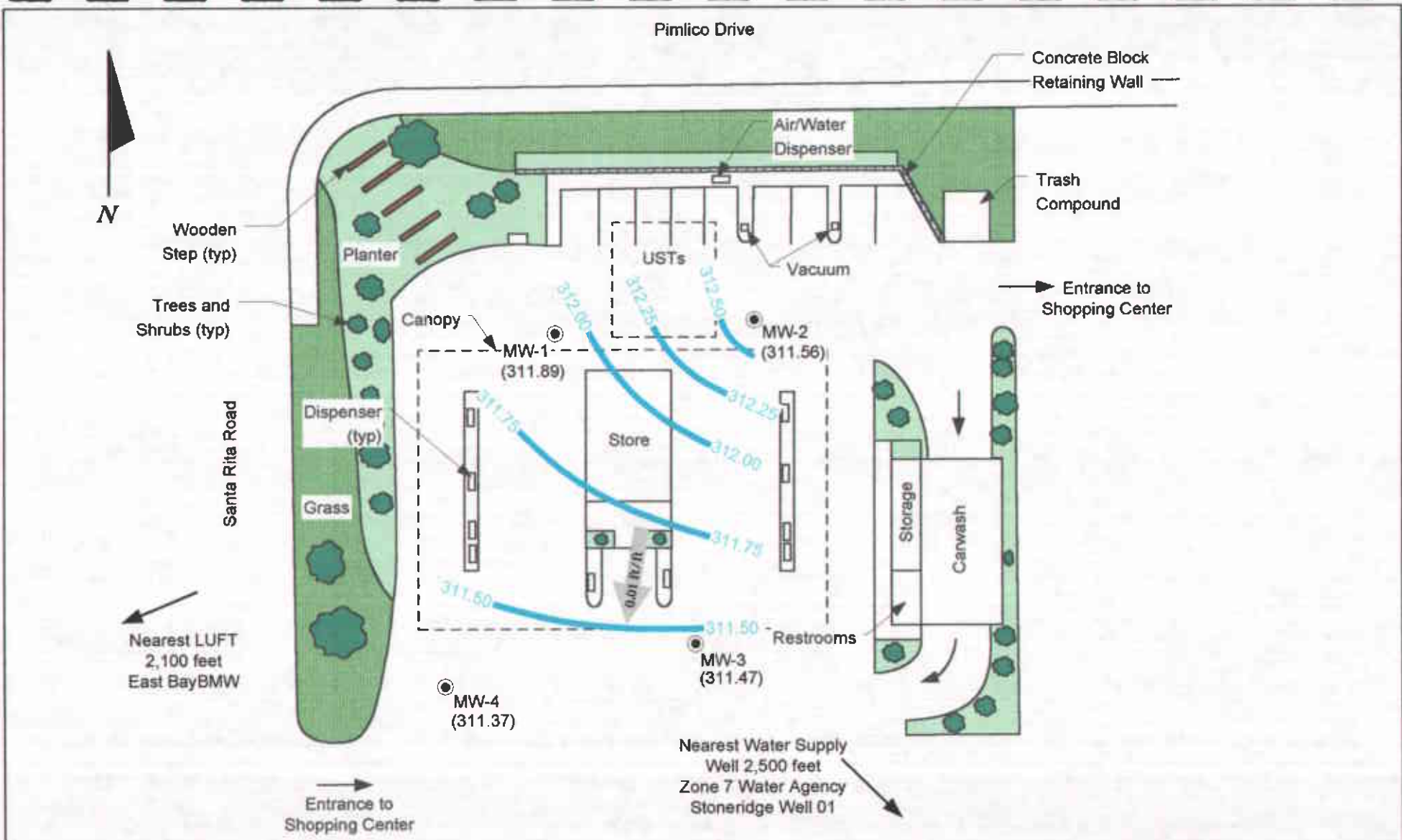
**KHM**  
ENVIRONMENTAL  
MANAGEMENT,  
INC.

**SITE LOCATION MAP**

**Shell Service Station**  
6750 Santa Rita Road  
Pleasanton, California

Map Source: DeLorme, Yarmouth, ME 04096,  
USGA Topo Map

DATE	5/15/03	PROJECT	C85-6750 Santa Rita	FIGURE	1
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**LEGEND**

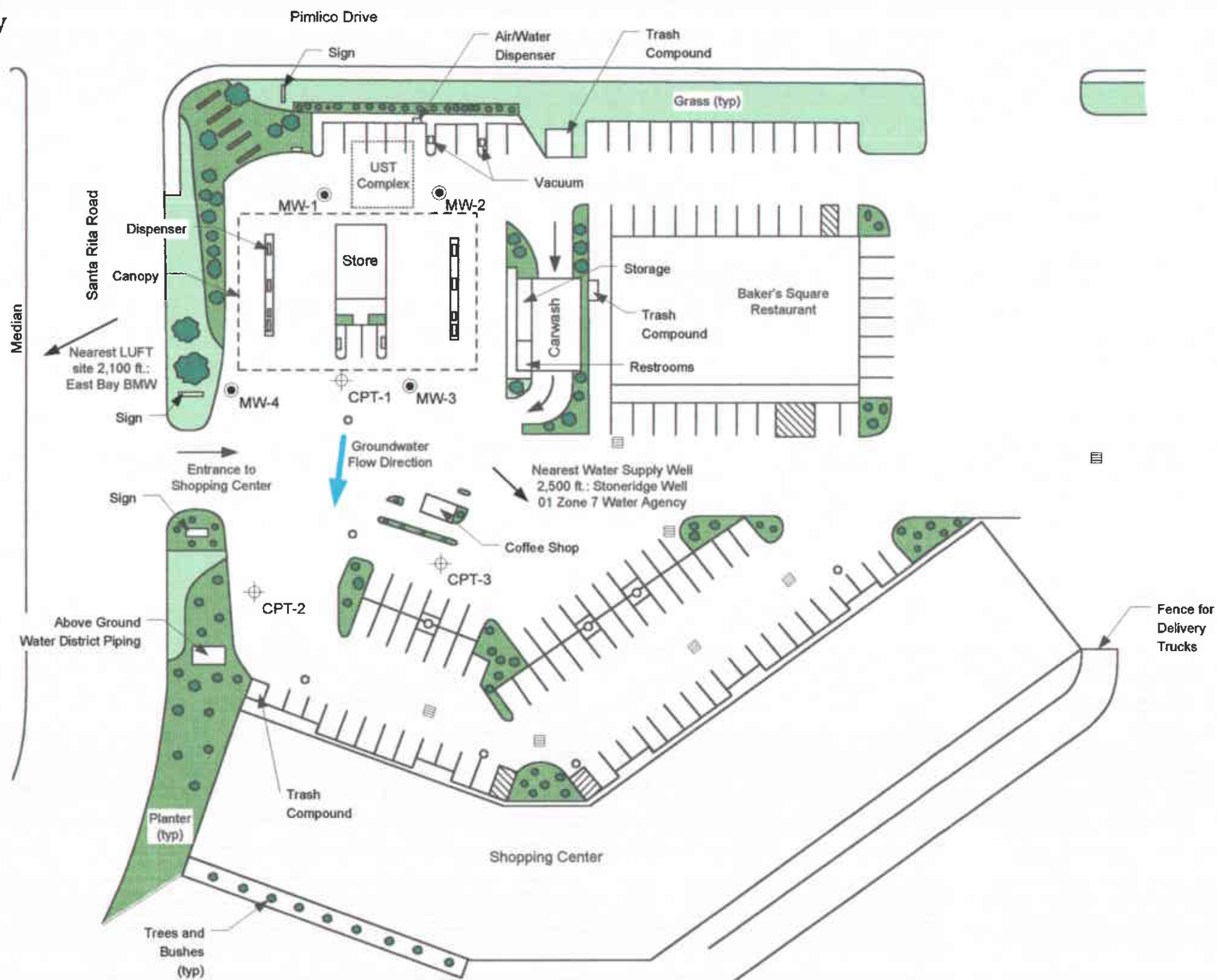
- MW-4 ● GROUNDWATER MONITORING WELL
- (311.89) GROUNDWATER ELEVATION (FEET - MSL), 3/28/03
- 311.50 — GROUNDWATER ELEVATION CONTOUR
- 0.01 ft/ft APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT

**KHM**  
 ENVIRONMENTAL  
 MANAGEMENT,  
 INC

<b>GROUNDWATER ELEVATION CONTOUR MAP, MARCH 28, 2003</b>		
<b>Shell-branded Service Station</b> 6750 Santa Rita Road Pleasanton, California		
DATE 5/15/03	PROJECT C85-6750 Santa Rita	FIGURE 2

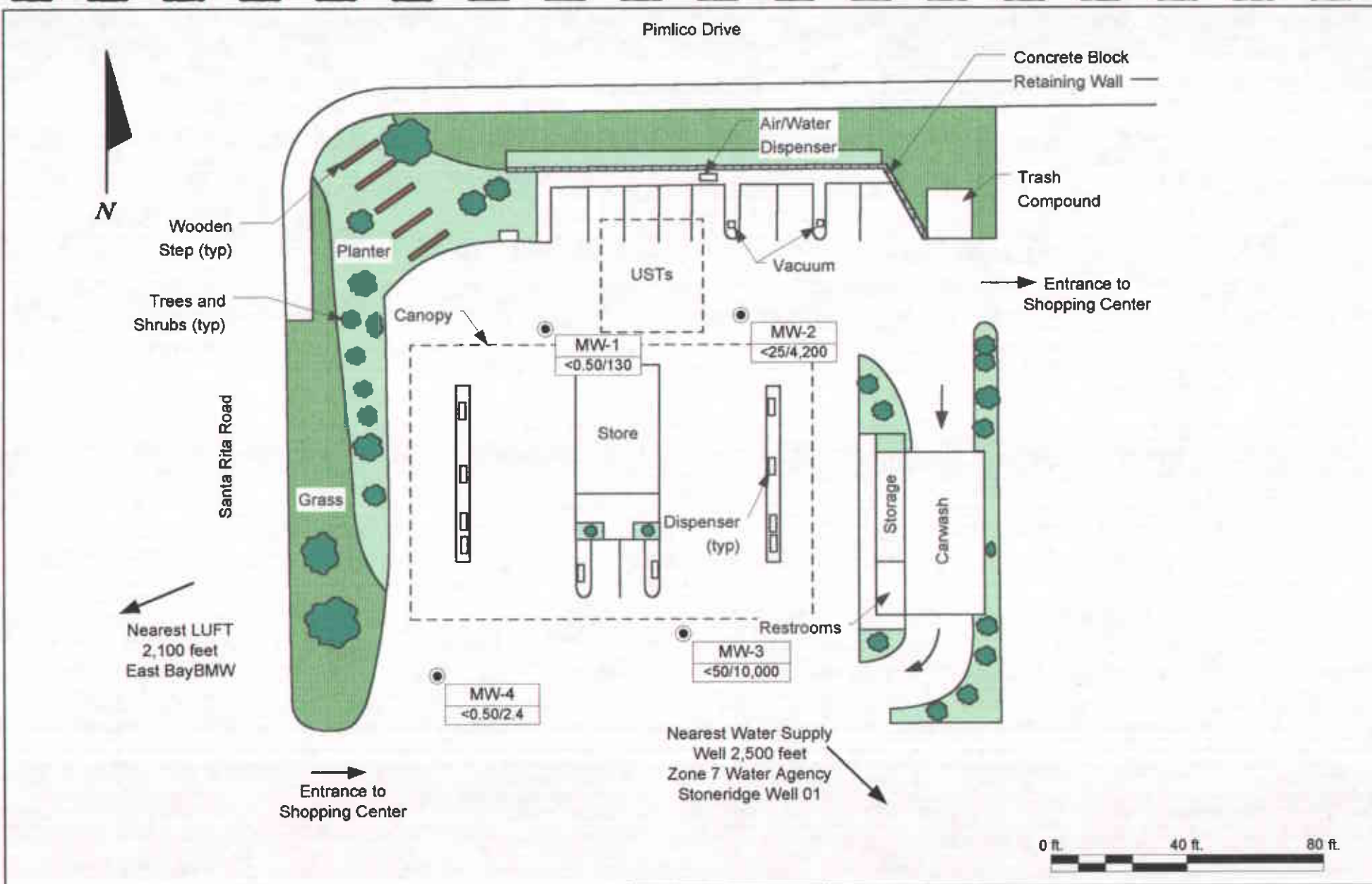


- LEGEND**
- MW-2 ● GROUNDWATER MONITORING WELL
  - CPT-1 ⊕ PROPOSED CPT LOCATIONS
  - SANITARY SEWER MANHOLE COVER
  - ≡ STORM DRAIN



<p><b>KHM</b> ENVIRONMENTAL MANAGEMENT, INC.</p>	<b>EXTENDED SITE MAP</b>	
	<p><b>Shell-branded Service Station</b> 6750 Santa Rita Road Pleasanton, California</p>	
	DATE 5/15/03	PROJECT C85-6750 Santa Rita
		FIGURE 3





**LEGEND**

MW-4 ● GROUNDWATER MONITORING WELL

MW-4	<b>WELL ID</b>
83 / 2.4	<b>BENZENE/MTBE CONCENTRATIONS (UG/L), 3/28/03</b>

**KHM**  
ENVIRONMENTAL  
MANAGEMENT,  
INC.

**BENZENE AND MTBE CONCENTRATIONS  
MAP, MARCH 28, 2003**

**Shell-branded Service Station**  
6750 Santa Rita Road  
Pleasanton, California




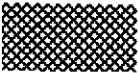

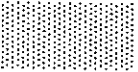


DATE	PROJECT	FIGURE
5/15/03	C85-6750 Santa Rita	4

**ATTACHMENT A**

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**BORING LOGS**

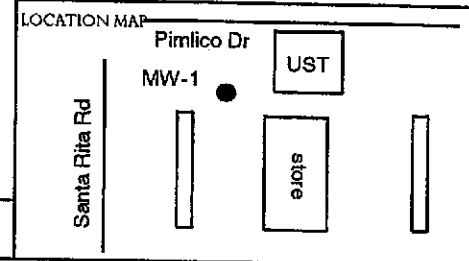
## Boring Log Symbol Key

	First Encounter of Groundwater
	Stabilized Depth to Groundwater
	Asphalt
	Cement Grout
	Bentonite
	Sand
	Blank Casing
	Screened Casing



PROJECT NO: C81-6750 Santa Rita CLIENT: Shell OPUS  
 LOGGED BY: J. Pearson LOCATION: 6750 Santa Rita Rd  
 DRILLER: Gregg DATE DRILLED: 10/8/02  
 DRILLING METHOD: HSA HOLE DIAMETER: 8"  
 SAMPLING METHOD: Split Spoon HOLE DEPTH: 42.5'  
 CASING TYPE: PVC WELL DIAMETER: 2"  
 SLOT SIZE: 0.010 WELL DEPTH: 42'  
 GRAVEL PACK: 2-12 CASING STICKUP: NA

BORING/WELL NO: MW-1  
 PAGE 1 OF 2



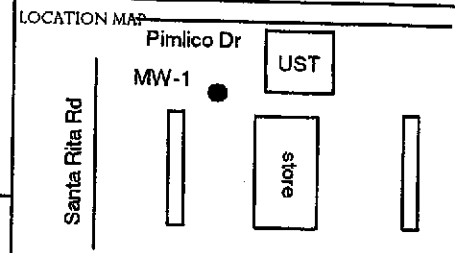
ELEVATION NORTHING EASTING

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6')	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
		Moist	0.7 5.9	↑ ↓ Air Knifed	1		AF	Concrete ~ 5" thick
					2		CL	Baseroack: coarse rounded gravel 2-3" <b>Sandy Lean CLAY</b> ; medium grayish brown, low to medium plasticity, 30% fine sand, <10% fine gravel
					3		SC	<b>Clayey SAND</b> ; dark-medium grey brown mottled with light brown, fine sand, low to medium plasticity, <15% fine gravel
					4			
					5			
					6			
					7			
					8			
		damp	2.1	3 3 5	9		CH	<b>Fat CLAY</b> ; medium to dark brown, soft, high plasticity
					10			
					11			
					12			
					13			
		damp	2.6	5 6 8	14			(stiff)
					15			
					16			
					17			
					18			
		damp	1.9	5 8 10	19			
					20			
					21			
					22			



PROJECT NO: C81-6750 Santa Rita CLIENT: Shell OPUS  
 LOGGED BY: J. Pearson LOCATION: 6750 Santa Rita Rd  
 DRILLER: Gregg DATE DRILLED: 10/8/02  
 DRILLING METHOD: HSA HOLE DIAMETER: 8"  
 SAMPLING METHOD: Split Spoon HOLE DEPTH: 42.5'  
 CASING TYPE: PVC WELL DIAMETER: 2"  
 SLOT SIZE: 0.010 WELL DEPTH: 42'  
 GRAVEL PACK: 2-12 CASING STICKUP: NA

BORING/WELL NO: MW-1  
 PAGE 2 OF 2



ELEVATION NORTHING EASTING

Well Completion  
 Backfill  
 Casing

Static  
 Water  
 Level

Moisture  
 Content

PID Reading  
 (ppm)

Penetration  
 (blows/6")

Depth (feet)

Sample  
 Recovery  
 Interval

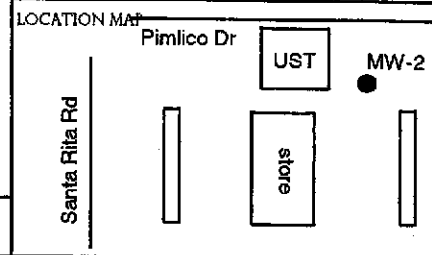
Soil Type

LITHOLOGY / DESCRIPTION

Well Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
					23		CH	continued
		damp	4.2	5 7 9	24		SP	Poorly Graded SAND; medium brown, very fine grained, loose
					25		CH	Fat CLAY; light brown, soft, high plasticity
		damp	1.6	4 5 6	29		SP	Poorly Graded SAND; medium brown, fine grained
		wet		4 6 7 4 7 13 7 12 15	34		SC/CH	Clayey SAND and Fat CLAY; alternating 6" layers, (Clayey Sand is medium brown, 60% sand, 40% clay, fine to medium grained sand, moderate plasticity) (Fat Clay is medium brown, stiff, high plasticity)
				5 9 10	38		CH	Fat CLAY; medium brown, stiff, high plasticity
		wet		5 6 8 6 8 11	40			(grades coarser, 5% fine grained sand)
					41			(soft)
					42			(stiff)
					43			BOTTOM OF BORING @ 42.5 ft
					44			



PROJECT NO: C81-6750 Santa Rita CLIENT: Shell OPUS  
 LOGGED BY: J. Pearson LOCATION: 6750 Santa Rita Rd BORING/WELL NO: MW-2  
 DRILLER: Gregg DATE DRILLED: 10/8/02 PAGE 1 OF 2  
 DRILLING METHOD: HSA HOLE DIAMETER: 8"  
 SAMPLING METHOD: Split Spoon HOLE DEPTH: 42.5'  
 CASING TYPE: PVC WELL DIAMETER: 2"  
 SLOT SIZE: 0.010 WELL DEPTH: 42'  
 GRAVEL PACK: 2-12 CASING STICKUP: NA



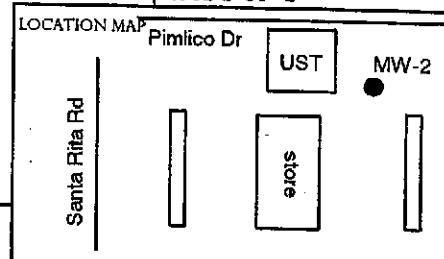
ELEVATION                      NORTHING                      EASTING

Well Completion		Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing							
Gravel	Casing	moist	0.7	Air Knifed	1		AF	Concrete 6" thick
					2		CL	Baseroack: 2" thick coarse gravel
					3		SC	Lean CLAY with Sand; dark yellow brown, 10%-20% fine sand, silty, medium plasticity
					4			Clayey SAND interbedded with Silt, dark-medium yellow brown, 20-35% fine sand, low to medium plasticity
					5			
					6			
					7		CH	Fat CLAY; dark brown, plastic, soft
					8			
					9			
					10			(stiff, slightly friable)
					11			
					12			
					13			
					14			(rare silt and gravel up to 1/4")
					15			
					16			
					17			
					18			
					19			(orange-brown, stiff, rare medium grained sand)
					20			
					21			
					22			



PROJECT NO: C81-6750 Santa Rita CLIENT: Shell OPUS  
 LOGGED BY: J. Pearson LOCATION: 6750 Santa Rita Rd  
 DRILLER: Gregg DATE DRILLED: 10/8/02  
 DRILLING METHOD: HSA HOLE DIAMETER: 8"  
 SAMPLING METHOD: Split Spoon HOLE DEPTH: 42.5'  
 CASING TYPE: PVC WELL DIAMETER: 2"  
 SLOT SIZE: 0.010 WELL DEPTH: 42'  
 GRAVEL PACK: 2-12 CASING STICKUP: NA

BORING/WELL NO: MW-2  
 PAGE 2 OF 2



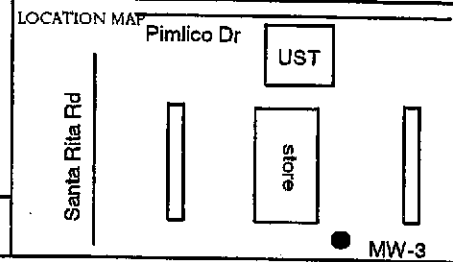
ELEVATION NORTHING EASTING

Well Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill Casing					23		CH	cont.
		damp	3.6	2 4 6	24 25			
		damp	4.3	5 8 9	29 30		CH	Fat CLAY; medium to light brown, 70% clay, 30% silt, soft, friable, high plasticity
	▽	wet		7 12 14	34			
		wet		6 8 9	35 36		CH	Gravelly Fat CLAY; greenish brown, 70% clay, 30% 1/4" gravel
				6 9 11	36 37			(grades finer, 10% 1/2" gravel, soft)
		wet		6 8 13	38 39		SP SC	Clayey SAND; medium brown with trace black and reddish grains, 70% sand, 30% clay, fine grained sand
				9 11 15	40 41			(2" clay interbed @ 40')
				17 20	42			(grades coarser, 80% fine sand)
					43			<b>BOTTOM OF BORING @ 42.5 ft</b>
					44			



PROJECT NO: C81-6750 Santa Rita CLIENT: Shell OPUS  
 LOGGED BY: J. Pearson LOCATION: 6750 Santa Rita Rd, Pleasanton, CA  
 DRILLER: Gregg DATE DRILLED: 10/9/02  
 DRILLING METHOD: HSA HOLE DIAMETER: 8"  
 SAMPLING METHOD: Split Spoon HOLE DEPTH: 44.5'  
 CASING TYPE: PVC WELL DIAMETER: 2"  
 SLOT SIZE: 0.010 WELL DEPTH: 44'  
 GRAVEL PACK: 2-12 CASING STICKUP: NA

BORING/WELL NO: MW-3  
 PAGE 1 OF 2



ELEVATION NORTHING EASTING

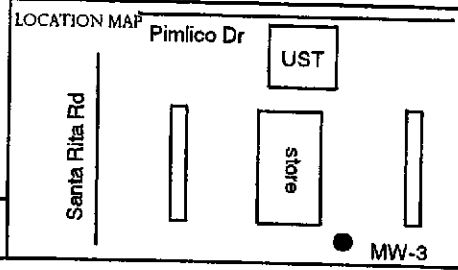
Well Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION				
Backfill Casing	Static Water Level	moist	2.2	Air Knifed	1		AF	Concrete 6" thick				
					2		CL	Baserock 2": coarse rounded gravel				
					3							
					4							(alternating sandy clay and clayey sand)
					5							(clay becomes stiffer below 5')
					6							
					7							
					8							
					9						CH	Fat CLAY; uniform dark brown, soft, high plasticity
					10							
					11							
					12							
					13							
					14							(stiff)
					15							
					16							
					17							
					18							
					19							(10% grey-white coarse sand)
					20							
					21							
					22							





PROJECT NO: C81-6750 Santa Rita CLIENT: Shell OPUS  
 LOGGED BY: J. Pearson LOCATION: 6750 Santa Rita Rd, Pleasanton, CA  
 DRILLER: Gregg DATE DRILLED: 10/9/02  
 DRILLING METHOD: HSA HOLE DIAMETER: 8"  
 SAMPLING METHOD: Split Spoon HOLE DEPTH: 44.5'  
 CASING TYPE: PVC WELL DIAMETER: 2"  
 SLOT SIZE: 0.010 WELL DEPTH: 44'  
 GRAVEL PACK: 2-12 CASING STICKUP: NA

BORING/WELL NO: MW-3  
 PAGE 2 OF 2

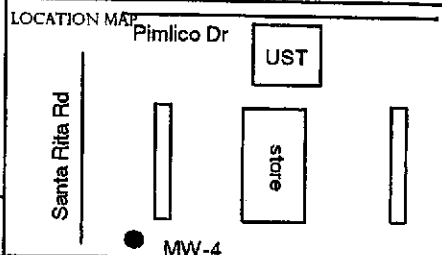


ELEVATION NORTHING EASTING

Well Completion		Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing								
			damp	2.0	4 6 11	23 24 25	CH SC	cont. <b>Clayey SAND</b> ; medium brown, 75% sand, 25% clay, fine grained, loose	
			damp	2.0	4 7 8	29 30	CH	<b>Sandy CLAY</b> ; medium brown, 75% clay, 25% sand, fine grained, soft	
		▽	damp		5 6 7	34 35	CH	<b>Fat CLAY</b> ; medium brown, soft, high plasticity  (trace greenish tint to clay)	
			damp		4 6 7	35 36			
			wet damp		4 8	37		(stiff)	
			wet		10 5 6 8	38 39			
			wet		4 6 7 6	40 41		(soft, no sand)	
					8 11 7 11 15	42 43 44	SC	<b>Clayey SAND</b> ; brown to orange brown with black grains, 80% sand, 20% clay, fine grained  (grades coarser, medium to coarse grained sand)	
<b>BOTTOM OF BORING @ 44.5 ft</b>									



PROJECT NO: C81-6750 Santa Rita CLIENT: Shell OPUS BORING/WELL NO: MW-4  
 LOGGED BY: J. Pearson LOCATION: 6750 Santa Rita Rd, Pleasonton, CA PAGE 1 OF 2  
 DRILLER: Gregg DATE DRILLED: 10/9/02  
 DRILLING METHOD: HSA HOLE DIAMETER: 8"  
 SAMPLING METHOD: Split Spoon HOLE DEPTH: 44.5'  
 CASING TYPE: PVC WELL DIAMETER: 2'  
 SLOT SIZE: 0.010 WELL DEPTH: 44'  
 GRAVEL PACK: 2-12 CASING STICKUP: NA



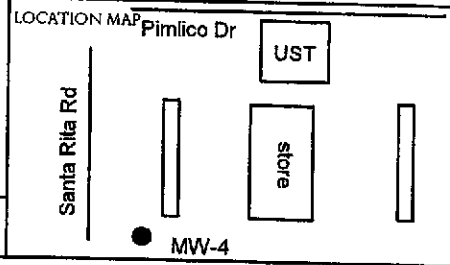
ELEVATION      NORTHING      EASTING

Well Completion		Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION		
Backfill	Casing										
			damp		Air Knifed 	1		AF	Concrete ~2" thick		
										Fill ~8", well graded sand and gravel	
						moist		2		SW	Well Graded SAND with Gravel; brown, fine to coarse sand, ~30% gravel, up to 1.5"
						moist		3			
								4		CL	Lean CLAY with Gravel; dark brown, ~30% gravel, moderate plasticity (grades finer, <10% gravel)
								5			
						damp		6			
								7		CH	Fat CLAY; dark brown, soft, high plasticity
								8			
						damp		9			
				1.6				10			(stiff)
								11			
								12			
								13			
						dry/damp		14			(moderate plasticity)
				1.5				15			
								16			
								17			
								18			
						damp		19			(stiff, high plasticity)
				2.6				20			
								21			
					22						



PROJECT NO: C81-6750 Santa Rita CLIENT: Shell OPUS  
 LOGGED BY: J. Pearson LOCATION: 6750 Santa Rita Rd, Pleasanton, CA  
 DRILLER: Gregg DATE DRILLED: 10/9/02  
 DRILLING METHOD: HSA HOLE DIAMETER: 8"  
 SAMPLING METHOD: Split Spoon HOLE DEPTH: 44.5'  
 CASING TYPE PVC WELL DIAMETER: 2"  
 SLOT SIZE 0.010 WELL DEPTH: 44'  
 GRAVEL PACK 2-12 CASING STICKUP: NA

BORING/WELL NO: MW-4  
 PAGE 2 OF 2



ELEVATION NORTHING EASTING

Well Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill Casing					23			
		damp	0.6	4 6 7	24		CH	cont. (color change from light brown to dark brown at 24')
					25			
					26			
					27			
					28			
		damp	0.1	4 5 10	29		SC	Clayey SAND; medium brown, 70% sand, 30% clay fine grained, loose
					30			
					31			
					32			
					33			
		wet		3	34		CH/ SC	Fat CLAY and Clayey SAND; alternating 18" layers, (Fat clay is brown with greenish mottling and slight FeO staining, soft, high plasticity) (Clayey sand is medium brown, 70% sand, 30% clay, fine grained, dense)
				4	35			
				4	36			
				3	37			
				4	38			
				6	39			
				6	40			
				8	41			(grades stiffer)
				8	42			
				3	43			
				5	44			
				6				
				5				
				7				
				14				

BOTTOM OF BORING @ 44.5 ft

**ATTACHMENT B**

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**ANALYTICAL RESULTS FOR SOIL AND GROUNDWATER SAMPLES**



Report Number : 29114

Date : 10/17/02

Debbie Arnold  
KHM Environmental Management  
6284 San Ignacio Ave, #E  
San Jose, CA 95119

Subject : 7 Soil Samples  
Project Name : 6750 Santa Rita Road, Pleasanton  
Project Number : C81-6750 Santa Rita  
P.O. Number : 97402156

Dear Ms. Arnold,

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

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

Sincerely,

A handwritten signature in black ink that reads "Joel Kiff". The signature is written in a cursive style with a large initial "J".

Joel Kiff



Report Number : 29114

Date : 10/17/02

Project Name : 6750 Santa Rita Road, Pleasanton

Project Number : C81-6750 Santa Rita

Sample : MW-2 @ 20 feet

Matrix : Soil

Lab Number : 29114-01

Sample Date :10/8/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/12/02
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/12/02
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	10/12/02

Approved By:  Joel Kiff



Report Number : 29114

Date : 10/17/02

Project Name : 6750 Santa Rita Road, Pleasanton

Project Number : C81-6750 Santa Rita

Sample : MW-3 @ 20 feet

Matrix : Soil

Lab Number : 29114-02

Sample Date :10/9/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/12/02
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/12/02
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	10/12/02

Approved By:  Joel Kiff



Report Number : 29114

Date : 10/17/02

Project Name : 6750 Santa Rita Road, Pleasanton

Project Number : C81-6750 Santa Rita

Sample : Disposal A

Matrix : Soil

Lab Number : 29114-03

Sample Date :10/8/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/12/02
4-Bromofluorobenzene (Surr)	96.7		% Recovery	EPA 8260B	10/12/02

Approved By:  Joel Kiff





Report Number : 29114

Date : 10/17/02

Project Name : 6750 Santa Rita Road, Pleasanton

Project Number : C81-6750 Santa Rita

Sample : Disposal B

Matrix : Soil

Lab Number : 29114-04

Sample Date :10/8/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/14/02
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	10/14/02

Approved By:  Joel Kiff



Report Number : 29114

Date : 10/17/02

Project Name : 6750 Santa Rita Road, Pleasanton

Project Number : C81-6750 Santa Rita

Sample : Disposal C

Matrix : Soil

Lab Number : 29114-05

Sample Date :10/9/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/12/02
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	10/12/02

Approved By:  Joel Kiff



Report Number : 29114

Date : 10/17/02

Project Name : 6750 Santa Rita Road, Pleasanton

Project Number : C81-6750 Santa Rita

Sample : Disposal D

Matrix : Soil

Lab Number : 29114-06

Sample Date :10/9/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/12/02
4-Bromofluorobenzene (Surr)	94.3		% Recovery	EPA 8260B	10/12/02

Approved By: Joel Kiff



Report Number : 29114

Date : 10/17/02

Project Name : 6750 Santa Rita Road, Pleasanton

Project Number : C81-6750 Santa Rita

Sample : Disposal A,B,C,D

Matrix : Soil

Lab Number : 29114-07

Sample Date :10/8/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/12/02
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	10/12/02

Approved By:  Joel Kiff

Report Number: 29114

Date: 10/17/02

QC Report : Method Blank Data

Project Name : 6750 Santa Rita Road, Pleasanton

Project Number : C81-6750 Santa Rita

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	10/12/02
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/12/02
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	10/12/02
Toluene - d8 (Surr)	101		%	EPA 8260B	10/12/02
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	10/12/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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Approved By: Joel Kiff

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 29114

Date : 10/17/02


Project Name : 6750 Santa Rita Road,

Project Number : C81-6750 Santa Rita

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	29114-01	<0.0050	0.0393	0.0396	0.0416	0.0355	mg/Kg	EPA 8260B	10/14/02	106	89.6	16.6	70-130	25
Toluene	29114-01	<0.0050	0.0393	0.0396	0.0409	0.0352	mg/Kg	EPA 8260B	10/14/02	104	89.0	15.6	70-130	25
Tert-Butanol	29114-01	<0.0050	0.196	0.198	0.188	0.150	mg/Kg	EPA 8260B	10/14/02	96.0	75.6	23.7	70-130	25
Methyl-t-Butyl Ether	29114-01	<0.0050	0.0393	0.0396	0.0394	0.0338	mg/Kg	EPA 8260B	10/14/02	100	85.3	16.1	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

QC Report : Laboratory Control Sample (LCS)

Report Number : 29114

Date : 10/17/02


Project Name : 6750 Santa Rita Road,

Project Number : C81-6750 Santa Rita

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0397	mg/Kg	EPA 8260B	10/12/02	102	70-130
Toluene	0.0397	mg/Kg	EPA 8260B	10/12/02	96.3	70-130
Tert-Butanol	0.198	mg/Kg	EPA 8260B	10/12/02	94.5	70-130
Methyl-t-Butyl Ether	0.0397	mg/Kg	EPA 8260B	10/12/02	92.8	70-130

KIFF ANALYTICAL, LLC

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

Approved By:  \_\_\_\_\_  
Joel Kiff

**Calscience**  
**Environmental**  
**Laboratories, Inc.**

October 17, 2002

Joel Kiff  
Kiff Analytical  
2795 2nd Street, Suite 300  
Davis, CA 95616-6593

**Subject: Calscience Work Order No.: 02-10-0800**  
**Client Reference: 6750 Santa Rita Road, Pleasanton**


Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/12/2002 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

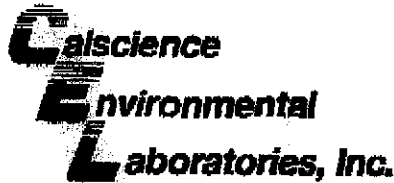
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

  
Calscience Environmental  
Laboratories, Inc.  
Stephen Nowak  
Project Manager

  
Michael J. Crisostomo  
Quality Assurance Manager





**ANALYTICAL REPORT**

Kiff Analytical  
 2795 2nd Street, Suite 300  
 Davis, CA 95618-6593

Date Received: 10/12/02  
 Work Order No: 02-10-0800  
 Preparation: Total Digestion  
 Method: EPA 6010B

Project: 6750 Santa Rita Road, Pleasanton

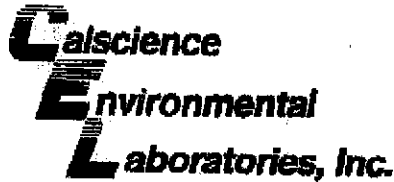
Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Disposal A,B,C,D	02-10-0800-1	10/08/02	Solid	10/14/02	10/15/02	021014L04

Parameter	Result	RL	DF	Qual	Units		
Lead	7.47	0.50	1		mg/kg		
Method Blank		097-01-002-3,000		N/A	Solid		
					10/14/02	10/15/02	021014L04

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1		mg/kg

RL - Reporting Limit    DF - Dilution Factor    Qual - Qualifiers



Quality Control - Spike/Spike Duplicate

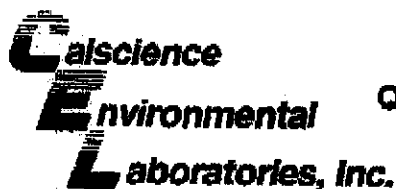
Kiff Analytical  
 2795 2nd Street, Suite 300  
 Davis, CA 95616-6593

Date Received: 10/12/02  
 Work Order No: 02-10-0800  
 Preparation: Total Digestion  
 Method: EPA 6010B

Project: 6750 Santa Rita Road, Pleasanton

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
02-10-0795-1	Solid	ICP 3300	10/14/02	10/15/02	021014904

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	103	100	75-125	3	0-20	



**Quality Control - Laboratory Control Sample**

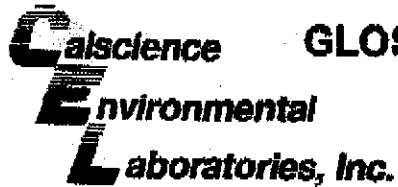
Kiff Analytical  
2795 2nd Street, Suite 300  
Davis, CA 95616-6593

Date Received: 10/12/02  
Work Order No: 02-10-0800  
Preparation: Total Digestion  
Method: EPA 8010B

Project: 6750 Santa Rita Road, Pleasanton

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-3,600	Solid	ICP 3300	10/15/02	021014-1-04	021014L04

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Lead	50.0	50.6	101	80-120	

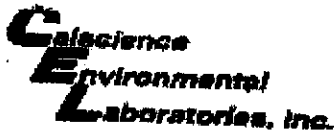


# GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 02-10-0800

---

<u>Qualifier</u>	<u>Definition</u>
ND	Not detected at indicated reporting limit.



WORK ORDER #: 02-70-0900

Cooler \_\_\_\_\_ of \_\_\_\_\_

### SAMPLE RECEIPT FORM

CLIENT: KIFF

DATE: 10/12/02

#### TEMPERATURE - SAMPLES RECEIVED BY:

##### CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
- Chilled, cooler without temperature blank.
- Chilled and placed in cooler with wet ice.
- Ambient and placed in cooler with wet ice.
- Ambient temperature.
- °C Temperature blank.

##### LABORATORY (Other than CalScience Courier):

- 3 °C Temperature blank.
- °C IR thermometer.
- Ambient temperature.

Initial: RW

#### CUSTODY SEAL INTACT:

Sample(s): \_\_\_\_\_ Cooler:  No (Not Intact): \_\_\_\_\_ Not Applicable (N/A): \_\_\_\_\_

Initial: RW

#### SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with custody papers.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on sample label(s).....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOA vial(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Initial: RW

#### COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



2795 Second Street, Suite 300  
 Davis, CA 95616  
 Lab: 530.287.4800  
 Fax: 530.287.4803

Cal Science Environmental  
 7440 Lincoln Way  
 Garden Grove, CA 92841  
 714-895-5494

02-10-0800

Lab No. \_\_\_\_\_ Page 1 of 1

Project Contact (Hardcopy or PDF to):  
 Joel Kiff

EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Company/Address:  
 Kiff Analytical, LLC

Recommended but not mandatory to complete this section

**Analysis Request**

Phone No.:

FAX No.:

Sampling Company Log Code:

Global ID:

Project Number:

C81-6750 Santa Rita

P.O. No.:

29114

EDF Deliverable to (Email Address):

Project Name:

6750 Santa Rita Road, Pleasanton

E-mail address:

inbox@kiffanalytical.com

Project Address:

Sampling

Container

Preservative

Matrix

Sample Designation

Date

Time

Glass Jar

Poly

Amber

HCl

HNO3

ICE

NONE

WATER

SOIL

TTLIC Lead

STLC Lead if TTLIC => 50 MG/KG

ORGANIC Lead if TTLIC => 13 MG/KG

CAM Metals - please hold\*

Date due:

October 24, 2002

For Lab Use Only

Disposal A,B,C,D

10/8/02

1

X

X

X

X

X

Relinquished by:

*Doc. To Kiff Analytical*

Date

10/10/02

Time

1830

Received by:

Remarks:

\*Metals to be determined.

Relinquished by:

Date

Time

Received by:

Incident#

97402156

Relinquished by:

*Cal Overnight*

Date

10/12

Time

12:15

Received by Laboratory:

*[Signature]*

BBI to:

TOTAL P. 07

# EQUIVA Services LEC Chain Of Custody Record

720 Olive Drive, Suite D  
Davis, CA 95616

(530) 297-4800 (530) 297-4803 fax

**Equiva Project Manager to be Invoiced:**

SCIENCE & ENGINEERING Karen Petryna  
 TECHNICAL SERVICES  
 CRM/HOUSTON

29114

INCIDENT NUMBER (S&E ONLY)  
 9 7 4 0 2 1 5 6  
 SAP or CRMT NUMBER (TS/CRMT)  
 1 3 5 7 8 6

DATE: October 9, 2002  
 PAGE: 1 of 2

**SAMPLING COMPANY:** KHM Environmental Mangement  
**LOG CODE:** KHMS  
**ADDRESS:** 6284 San Ignacio Ave., San Jose, CA 95119  
**PROJECT CONTACT (Hardcopy or PDF Report to):** Debbie Arnold  
**TELEPHONE:** (408) 224-4724  
**FAX:** (408) 224-4518  
**E-MAIL:** darnold@khm1.com

**SITE ADDRESS (Street and City):** 6750 Santa Rita Road, Pleasanton  
**EDF DELIVERABLE TO (Responsible Party or Destination):**  
**PHONE NO.:** (408) 224-4724  
**E-MAIL:** darnold@khm1.com  
**CONSULTANT PROJECT NO.:** C81-6750 Santa Rita

**SAMPLER NAME(S) First:** Jonathan Pearson

**TURNAROUND TIME (BUSINESS DAYS):**  
 10 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT  UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

**SPECIAL INSTRUCTIONS OR NOTES:** CHECK BOX IF EDD IS NEEDED

**REQUESTED ANALYSIS**

Lab. Use ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3418m)	Vapor Fixed Gases (ASTM D1840)	Test for Disposal (4B)	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT °C	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes		
		DATE	TIME																								
	MW-2 @ 20 feet	10/8/02	10:15	soil	1	X	X			X															-01		
	MW-3 @ 20 feet	10/9/02	8:40	soil	1	X	X			X																-02	

Received by: (Signature) *[Signature]* Date: 10/09/02 Time: 11:17  
 Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: (Signature) *John C. Kiff Analytical* Date: 10/09/02 Time: 11:17

# EQUIVA Services LLC Chain Of Custody Record

720 Olive Drive, Suite D  
Davis, CA 95616  
(530) 297-4800 (530) 297-4803 fax

Equiva Project Manager to be Invoiced:

- SCIENCE & ENGINEERING Karen Petryna
- TECHNICAL SERVICES
- CRM/ HOUSTON

29114

INCIDENT NUMBER (S&E ONLY)

9 7 4 0 2 1 5 6

SAP or CRMT NUMBER (C/S/CRMT)

1 3 5 7 8 6

DATE: October 9, 2002

PAGE: 2 of 2

SAMPLING COMPANY: <b>KHM Environmental Mangement</b>		LOG CODE: <b>KHMS</b>	SITE ADDRESS (Street and City): <b>6750 Santa Rita Road, Pleasanton</b>		GLOBAL ID NO.:
ADDRESS: <b>6284 San Ignacio Ave., San Jose, CA 95119</b>			EDF DELIVERABLE TO (Responsible Party or Designer): <b>Debbie Arnold</b>	PHONE NO.: <b>(408) 224-4724</b>	E-MAIL: <b>darnold@khm1.com</b>
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Debbie Arnold</b>			CONSULTANT PROJECT NO.: <b>C81-6750 Santa Rita</b>		
TELEPHONE: <b>(408) 224-4724</b>	FAX: <b>(408) 224-4518</b>	E-MAIL: <b>darnold@khm1.com</b>	LAB USE ONLY		

TURNAROUND TIME (BUSINESS DAYS):  
 10 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT  UST AGENCY: \_\_\_\_\_  
 GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES: \_\_\_\_\_ CHECK BOX IF EDD IS NEEDED   
 Disposal Test includes lead and CAM metals.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (10-15)	Vapor VOCs Full List (10-16)	Vapor TPH (ASTM 3418m)	Vapor Fixed Gases (ASTM D1646)	Test for Disposal (4B-78)	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
		DATE	TIME																						TEMPERATURE ON RECEIPT °C
	Disposal A	10/8/02	14:00	soil	1																				
	Disposal B	10/8/02	17:00	soil	1																				
	Disposal C	10/9/02	8:45	soil	1																				
	Disposal D	10/9/02	14:08	soil	1																				

Received by: (Signature) 	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:
Relinquished by: (Signature)	Received by: (Signature) <b>John Kiff Analytical</b>	Date: <b>101002</b>
		Time: <b>117</b>

O&G Graphic (714) 868-9702



### WELL GAUGING DATA

Project # 021204-RH1 Date 12/2/02 Client Shell

Site 6750 Santa Rita Rd. Pleasanton

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
mw-1	2					31.75	41.10	
mw-2	2					31.25	41.60	
mw-3	2					31.65	43.05	
mw-4	2					32.92	44.10	

WELL GAUGING DATA

Project # 021220-552 Date 12/20/02 Client SHELL

Site 6750 SANTA RITA RD. PHASANTON

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW-1	2					31.93	41.75	↓
MW-2	2					30.70	41.90	
MW-3	2					31.10	44.00	
MW-4	2					32.20	44.05	



Report Number : 30559

Date : 1/2/2003

Leon Gearhart  
Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Subject : 4 Water Samples  
Project Name : 6750 Santa Rita Rd., Pleasanton  
Project Number : 021220-SS2  
P.O. Number : 97402156

Dear Mr. Gearhart,

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

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

Sincerely,

  
Joel Kiff



Report Number : 30559

Date : 1/2/2003

Subject : 4 Water Samples  
Project Name : 6750 Santa Rita Rd., Pleasanton  
Project Number : 021220-SS2  
P.O. Number : 97402156

## Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples MW-1, MW-2 and MW-3.

Approved By:  \_\_\_\_\_  
Joel Kiff



Report Number : 30559

Date : 1/2/2003

Project Name : 6750 Santa Rita Rd., Pleasanton

Project Number : 021220-SS2

Sample : MW-1

Matrix : Water

Lab Number : 30559-01

Sample Date :12/20/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/26/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/26/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/26/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/26/2002
Methyl-t-butyl ether (MTBE)	62	0.50	ug/L	EPA 8260B	12/26/2002
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	12/26/2002
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	12/26/2002
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	12/26/2002
Tert-Butanol	< 50	50	ug/L	EPA 8260B	12/26/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/26/2002
Toluene - d8 (Surr)	94.4		% Recovery	EPA 8260B	12/26/2002
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	12/26/2002
TPH as Diesel	81	50	ug/L	M EPA 8015	12/26/2002

Approved By:  Joel Kiff



Report Number : 30559

Date : 1/2/2003

Project Name : 6750 Santa Rita Rd., Pleasanton

Project Number : 021220-SS2

Sample : MW-2

Matrix : Water

Lab Number : 30559-02

Sample Date :12/20/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 2.0	2.0	ug/L	EPA 8260B	12/31/2002
Toluene	< 2.0	2.0	ug/L	EPA 8260B	12/31/2002
Ethylbenzene	< 2.0	2.0	ug/L	EPA 8260B	12/31/2002
Total Xylenes	< 2.0	2.0	ug/L	EPA 8260B	12/31/2002
Methyl-t-butyl ether (MTBE)	660	2.0	ug/L	EPA 8260B	12/31/2002
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	12/31/2002
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	12/31/2002
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	12/31/2002
Tert-Butanol	< 50	50	ug/L	EPA 8260B	12/31/2002
TPH as Gasoline	< 200	200	ug/L	EPA 8260B	12/31/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	12/31/2002
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	12/31/2002
TPH as Diesel	120	50	ug/L	M EPA 8015	12/29/2002

Approved By:  Joel Kiff



Report Number : 30559

Date : 1/2/2003

Project Name : 6750 Santa Rita Rd., Pleasanton

Project Number : 021220-SS2

Sample : MW-3

Matrix : Water

Lab Number : 30559-03

Sample Date : 12/20/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 20	20	ug/L	EPA 8260B	12/30/2002
Toluene	< 20	20	ug/L	EPA 8260B	12/30/2002
Ethylbenzene	< 20	20	ug/L	EPA 8260B	12/30/2002
Total Xylenes	< 20	20	ug/L	EPA 8260B	12/30/2002
Methyl-t-butyl ether (MTBE)	8000	20	ug/L	EPA 8260B	12/30/2002
Diisopropyl ether (DIPE)	< 20	20	ug/L	EPA 8260B	12/30/2002
Ethyl-t-butyl ether (ETBE)	< 20	20	ug/L	EPA 8260B	12/30/2002
Tert-amyl methyl ether (TAME)	< 20	20	ug/L	EPA 8260B	12/30/2002
Tert-Butanol	1500	200	ug/L	EPA 8260B	12/30/2002
TPH as Gasoline	< 2000	2000	ug/L	EPA 8260B	12/30/2002
Toluene - d8 (Surr)	94.9		% Recovery	EPA 8260B	12/30/2002
4-Bromofluorobenzene (Surr)	113		% Recovery	EPA 8260B	12/30/2002
TPH as Diesel	72	50	ug/L	M EPA 8015	12/29/2002

Approved By:  Joel Kiff



Report Number : 30559

Date : 1/2/2003

Project Name : 6750 Santa Rita Rd., Pleasanton

Project Number : 021220-SS2

Sample : MW-4

Matrix : Water

Lab Number : 30559-04

Sample Date :12/20/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/29/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/29/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/29/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/29/2002
Methyl-t-butyl ether (MTBE)	93	0.50	ug/L	EPA 8260B	12/29/2002
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	12/29/2002
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	12/29/2002
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	12/29/2002
Tert-Butanol	< 50	50	ug/L	EPA 8260B	12/29/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/29/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	12/29/2002
4-Bromofluorobenzene (Surr)	97.1		% Recovery	EPA 8260B	12/29/2002
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/29/2002

Approved By:  Joel Kiff



Report Number : 30559

Date : 1/2/2003

QC Report : Method Blank Data

Project Name : 6750 Santa Rita Rd., Pleasanton

Project Number : 021220-SS2

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/26/2002
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/29/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/30/2002
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/30/2002
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	12/30/2002
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	12/30/2002
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	12/30/2002
Tert-Butanol	< 50	50	ug/L	EPA 8260B	12/30/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/30/2002
Toluene - d8 (Surr)	94.8		%	EPA 8260B	12/30/2002
4-Bromofluorobenzene (Surr)	107		%	EPA 8260B	12/30/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/28/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/28/2002
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/2002
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	12/28/2002
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	12/28/2002
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	12/28/2002
Tert-Butanol	< 50	50	ug/L	EPA 8260B	12/28/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/28/2002
Toluene - d8 (Surr)	99.7		%	EPA 8260B	12/28/2002
4-Bromofluorobenzene (Surr)	99.7		%	EPA 8260B	12/28/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/26/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/26/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/26/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/26/2002
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/26/2002
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	12/26/2002
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	12/26/2002
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	12/26/2002
Tert-Butanol	< 50	50	ug/L	EPA 8260B	12/26/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/26/2002
Toluene - d8 (Surr)	86.8		%	EPA 8260B	12/26/2002
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	12/26/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/28/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/28/2002
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/2002
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	12/28/2002
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	12/28/2002
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	12/28/2002
Tert-Butanol	< 50	50	ug/L	EPA 8260B	12/28/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/28/2002
Toluene - d8 (Surr)	100		%	EPA 8260B	12/28/2002
4-Bromofluorobenzene (Surr)	99.0		%	EPA 8260B	12/28/2002

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 30559

Date : 1/2/2003

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 6750 Santa Rita Rd.,

Project Number : 021220-SS2

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	30565-09	<0.50	39.6	39.7	37.3	36.1	ug/L	EPA 8260B	12/31/02	94.2	91.0	3.48	70-130	25
Toluene	30565-09	<0.50	39.6	39.7	33.9	34.0	ug/L	EPA 8260B	12/31/02	85.7	85.8	0.146	70-130	25
Tert-Butanol	30565-09	<5.0	198	198	175	197	ug/L	EPA 8260B	12/31/02	88.3	99.2	11.6	70-130	25
Methyl-t-Butyl Ether	30565-09	<0.50	39.6	39.7	37.2	38.3	ug/L	EPA 8260B	12/31/02	93.9	96.6	2.89	70-130	25
Benzene	30638-05	<0.50	40.0	40.0	39.6	39.2	ug/L	EPA 8260B	12/28/02	99.1	98.0	1.17	70-130	25
Toluene	30638-05	<0.50	40.0	40.0	37.7	37.6	ug/L	EPA 8260B	12/28/02	94.2	94.0	0.239	70-130	25
Tert-Butanol	30638-05	11	200	200	212	214	ug/L	EPA 8260B	12/28/02	100	102	1.15	70-130	25
Methyl-t-Butyl Ether	30638-05	55	40.0	40.0	87.7	88.8	ug/L	EPA 8260B	12/28/02	80.8	83.6	3.41	70-130	25
Benzene	30559-01	<0.50	40.0	40.0	41.2	41.6	ug/L	EPA 8260B	12/26/02	103	104	0.797	70-130	25
Toluene	30559-01	<0.50	40.0	40.0	34.5	35.0	ug/L	EPA 8260B	12/26/02	86.2	87.4	1.50	70-130	25
Tert-Butanol	30559-01	18	200	200	250	239	ug/L	EPA 8260B	12/26/02	116	110	4.80	70-130	25
Methyl-t-Butyl Ether	30559-01	62	40.0	40.0	100	99.9	ug/L	EPA 8260B	12/26/02	95.2	94.5	0.764	70-130	25
Benzene	30636-02	<0.50	40.0	40.0	40.5	39.7	ug/L	EPA 8260B	12/28/02	101	99.3	1.87	70-130	25
Toluene	30636-02	<0.50	40.0	40.0	39.0	38.6	ug/L	EPA 8260B	12/28/02	97.4	96.6	0.825	70-130	25
Tert-Butanol	30636-02	<5.0	200	200	202	195	ug/L	EPA 8260B	12/28/02	101	97.7	3.32	70-130	25
Methyl-t-Butyl Ether	30636-02	<0.50	40.0	40.0	38.7	38.5	ug/L	EPA 8260B	12/28/02	96.8	96.2	0.647	70-130	25
TPH as Diesel	Blank	<50	1000	1000	962	919	ug/L	M EPA 8015	12/26/02	96.2	91.9	4.54	70-130	25

*Joel Kiff*  
 \_\_\_\_\_  
 Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 30559

Date : 1/2/2003

Project Name : 6750 Santa Rita Rd.,

Project Number : 021220-SS2

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	1050	1100	ug/L	M EPA 8015	12/29/02	105	110	4.40	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff  


QC Report : Laboratory Control Sample (LCS)

Report Number : 30559

Date : 1/2/2003

Project Name : 6750 Santa Rita Rd.,

Project Number : 021220-SS2

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	12/30/02	105	70-130
Toluene	40.0	ug/L	EPA 8260B	12/30/02	95.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/30/02	85.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/30/02	101	70-130
Benzene	40.0	ug/L	EPA 8260B	12/28/02	92.8	70-130
Toluene	40.0	ug/L	EPA 8260B	12/28/02	92.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/28/02	97.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/28/02	81.0	70-130
Benzene	40.0	ug/L	EPA 8260B	12/26/02	100	70-130
Toluene	40.0	ug/L	EPA 8260B	12/26/02	95.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/26/02	115	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/26/02	103	70-130
Benzene	40.0	ug/L	EPA 8260B	12/28/02	98.9	70-130
Toluene	40.0	ug/L	EPA 8260B	12/28/02	95.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/28/02	95.1	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/28/02	93.8	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff

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

LAB: KIFF

# SHELL Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- GOVT. INDUSTRY

Lynn Walker

30559

INCIDENT NUMBER (SEE ONLY)

9 7 4 0 2 1 5 6

SAP or CRMT NUMBER (SICR/CRMT)

DATE: 12/20/02

PAGE: 1 of 1

SAMPLING COMPANY: <b>Blaine Tech Services</b>		LOG CODE: <b>BTSS</b>	SITE ADDRESS (Street and City): <b>6750 Santa Rita Rd., Pleasanton</b>		GLOBAL ID NO.: <b>pending</b>
ADDRESS: <b>1680 Rogers Avenue, San Jose, CA 95112</b>			E/F DELIVERABLE TO (Responsible Party or Designee): <b>Debbie Arnold</b>		PHONE NO.: <b>(408)224-4724</b>
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Leon Gearhart</b>			E-MAIL: <b>darnold@khrm1.com</b>		CONSULTANT PROJECT NO.: <b>BTS # MD20-552</b>
TELEPHONE: <b>408-573-0555</b>	FAX: <b>408-573-7771</b>	E-MAIL: <b>lgearhart@blainetech.com</b>	SAMPLER NAME(S) (Print): <b>SUCKED ON SUNG</b>		LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS):  
 10 DAYS  
 5 DAYS  
 72 HOURS  
 48 HOURS  
 24 HOURS  
 LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT  
 UST AGENCY: \_\_\_\_\_

GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED

### REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (4021B - 5ppb RL)	MTBE (4250B - 0.5ppb RL)	Oxygenates (5) by (4250B)	TPH - Diesel, Extractable	TEMPERATURE ON RECEIPT °C	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
		DATE	TIME										
	MW-1	12/20/02	1250	GW	5	X	X			X	X	-01	
	MW-2	↓	1300	↓	↓	X	X			X	X	-02	
	MW-3	↓	1245	↓	↓	X	X			X	X	-03	
	MW-4	↓	1158	↓	↓	X	X			X	X	-04	

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <u>12/23/02</u>	Time: <u>1017</u>
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: _____	Time: _____
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>John Cutille/Kiff Analytical</i>	Date: <u>12/30/02</u>	Time: <u>1017</u>

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/18/00 Revision

C&G Graphic (714) 896-9702



Report Number : 29691

Date : 11/18/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-18 Rancho

Sample : T-1DP

Matrix : Soil

Lab Number : 29691-01

Sample Date : 11/6/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/18/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/18/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/18/2002
Total Xylenes	< 0.010	0.010	mg/Kg	EPA 8260B	11/18/2002
Methyl-t-butyl ether (MTBE)	0.9	0.5	mg/Kg	EPA 8260B	11/18/2002
Dilsopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/18/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/18/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/18/2002
Tert-Butanol	1.0	0.5	mg/Kg	EPA 8260B	11/18/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/18/2002
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	11/18/2002
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	11/18/2002

Approved By:  Joel Kiff



Report Number : 29691

Date : 11/18/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-18 Rancho

Sample : T-1DF

Matrix : Soil

Lab Number : 29691-04

Sample Date :11/6/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Toluene	0.0065	0.005	mg/Kg	EPA 8260B	11/14/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Total Xylenes	0.0050	0.005	mg/Kg	EPA 8260B	11/14/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/14/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/14/2002
4-Bromofluorobenzene (Surr)	96.0		% Recovery	EPA 8260B	11/14/2002

Approved By:  Joel Kiff



Report Number : 29691

Date : 11/18/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-18 Rancho

Sample : T-2P

Matrix : Soil

Lab Number : 29691-08

Sample Date : 11/6/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Methyl-t-butyl ether (MTBE)	2.5	0.5	mg/Kg	EPA 8260B	11/17/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-Butanol	6.1	0.5	mg/Kg	EPA 8260B	11/14/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/14/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/14/2002
4-Bromofluorobenzene (Surr)	98.9		% Recovery	EPA 8260B	11/14/2002

Approved By:  Joel Kiff





Report Number : 29691

Date : 11/18/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-18 Rancho

Sample : T-2F

Matrix : Soil

Lab Number : 29691-07

Sample Date : 11/6/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.016	0.005	mg/Kg	EPA 8260B	11/14/2002
Toluene	0.031	0.005	mg/Kg	EPA 8260B	11/14/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Methyl-t-butyl ether (MTBE)	1.0	0.5	mg/Kg	EPA 8260B	11/16/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/14/2002
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	11/14/2002
4-Bromofluorobenzene (Surr)	99.5		% Recovery	EPA 8260B	11/14/2002

Approved By:  Joel Kiff



Report Number : 29691

Date : 11/18/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-18 Rancho

Sample : T-3P

Matrix : Soil

Lab Number : 29691-03

Sample Date : 11/6/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Methyl-t-butyl ether (MTBE)	2.5	0.5	mg/Kg	EPA 8260B	11/16/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-Butanol	4.6	0.5	mg/Kg	EPA 8260B	11/14/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/14/2002
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	11/14/2002
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	11/14/2002

Approved By:  Joel Kiff



Report Number : 29691

Date : 11/18/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-18 Rancho

Sample : T-3F

Matrix : Soil

Lab Number : 29691-02

Sample Date : 11/6/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/16/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/16/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/16/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/16/2002
Methyl-t-butyl ether (MTBE)	1.5	0.5	mg/Kg	EPA 8260B	11/16/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/16/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/16/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/16/2002
Tert-Butanol	1.7	0.5	mg/Kg	EPA 8260B	11/16/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/16/2002
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	11/16/2002
4-Bromofluorobenzene (Surr)	92.7		% Recovery	EPA 8260B	11/16/2002

Approved By:  Joel Kiff



Report Number : 29691

Date : 11/18/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-18 Rancho

Sample : T-4P

Matrix : Soil

Lab Number : 29691-06

Sample Date : 11/6/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Methyl-t-butyl ether (MTBE)	1.4	0.5	mg/Kg	EPA 8260B	11/16/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-Butanol	3.0	0.5	mg/Kg	EPA 8260B	11/14/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/14/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/14/2002
4-Bromofluorobenzene (Surr)	98.4		% Recovery	EPA 8260B	11/14/2002

Approved By:  Joel Kiff



Report Number : 29691

Date : 11/18/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-18 Rancho

Sample : T-4F

Matrix : Soil

Lab Number : 29691-05

Sample Date : 11/6/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/14/2002
Methyl-t-butyl ether (MTBE)	0.6	0.5	mg/Kg	EPA 8260B	11/14/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/14/2002
Tert-Butanol	0.9	0.5	mg/Kg	EPA 8260B	11/14/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/14/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/14/2002
4-Bromofluorobenzene (Surr)	97.7		% Recovery	EPA 8260B	11/14/2002

Approved By:  Joel Kiff

Report Number: 29691

Date: 11/18/2002

**QC Report : Method Blank Data**

Project Name : **6750 Santa Rita Road, Pleasanton, CA**

Project Number : **C85-18 Rancho**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/11/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/11/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/11/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/11/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/11/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/11/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/11/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/11/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/11/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/11/2002
Toluene - d8 (Surr)	99.6		%	EPA 8260B	11/11/2002
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	11/11/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff



Report Number : 29691


Date : 11/18/2002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 6750 Santa Rita Road,

Project Number : C85-18 Rancho

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	29679-01	<0.0050	0.0397	0.0393	0.0380	0.0307	mg/Kg	EPA 8260B	11/11/02	95.8	78.2	20.2	70-130	25
Toluene	29679-01	<0.0050	0.0397	0.0393	0.0375	0.0304	mg/Kg	EPA 8260B	11/11/02	94.6	77.3	20.2	70-130	25
Tert-Butanol	29679-01	<0.0050	0.198	0.196	0.194	0.179	mg/Kg	EPA 8260B	11/11/02	97.5	91.2	6.74	70-130	25
Methyl-t-Butyl Ether	29679-01	<0.0050	0.0397	0.0393	0.0389	0.0403	mg/Kg	EPA 8260B	11/11/02	98.1	102	4.36	70-130	25

Approved By:  Joel Kiff

Report Number : 29691

Date : 11/18/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : 6750 Santa Rita Road,

Project Number : C85-18 Rancho

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0405	mg/Kg	EPA 8260B	11/11/02	94.6	70-130
Toluene	0.0405	mg/Kg	EPA 8260B	11/11/02	93.4	70-130
Tert-Butanol	0.202	mg/Kg	EPA 8260B	11/11/02	99.9	70-130
Methyl-t-Butyl Ether	0.0405	mg/Kg	EPA 8260B	11/11/02	94.2	70-130

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff



KIFF ANALYTICAL

# EQUIVA Services LLC Chain Of Custody Record

720 Olive Drive, Suite D

Davis, CA 95616

(530) 297-4800 (530) 297-4803 fax

Equiva Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- OILT HOUSTON

Jim Martin

29691

INCIDENT NUMBER (S&E ONLY)

SAP or CRMT NUMBER (TS/CRMT)

DATE: 11/11/02

PAGE: 1 of 1

SAMPLING COMPANY: <b>KHM Environmental Mangement</b>		LOG CODE: <b>KHMS</b>	SITE ADDRESS (Street and City): <b>6750 Santa Rita Road, Pleasanton, CA</b>		GLOBAL ID NO.: 1 3 5 7 8 6
ADDRESS: <b>6284 San Ignacio Ave., San Jose, CA 95119</b>		EDF DELIVERABLE TO (Responsible Party or Destination): <b>Vera Fischer</b>		PHONE NO.: <b>(408) 224-4724</b>	E-MAIL: <b>vbrower@khm1.com</b>
PROJECT CONTACT (Hard copy or PDF Report to): <b>Janet Yantis</b>		SAMPLER NAME(S) (Print): <b>Janet Yantis</b>		CONSULTANT PROJECT NO.: <b>C85-18 Rancho</b>	
TELEPHONE: <b>(408) 224-4724</b>	FAX: <b>(408) 224-4518</b>	E-MAIL: <b>jyantis@khm1.com</b>		LAB USE ONLY	

TURNAROUND TIME (BUSINESS DAYS):  
 10 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT  LIST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED

REQUESTED ANALYSIS

LAB. USE ONLY	Field Sample Identification	SAMPLING		MATR#	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (6) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8290B)	EPA 5036 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B)	TPH - Diesel, Extractable (8015m)	MTBE (8066B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
		DATE	TIME																						TEMPERATURE ON RECEIPT C°
	T-1DP	11/6/02	2:50	S	1	X	X			X															-01
	T-3F		2:45			X	X			X															-02
	T-3P		2:35			X	X			X															-03
	T-1DF		3:10			X	X			X															-04
	T-4F		2:40			X	X			X															-05
	T-4P		2:25			X	X			X															-06
	T-2F		3:00			X	X			X															-07
	T-2P		3:10			X	X			X															-08

Received by: (Signature) <i>Janet Yantis</i>	Date:	Time:
Received by: (Signature)	Date:	Time:
Received by: (Signature)	Date:	Time:
Received by: (Signature) <i>John C. Kiff Analytical</i>	Date: 11/10/02	Time: 1105

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

C&D Graphic (714) 868-9702



Report Number : 29878

Date : 11/26/2002

Janet Yantis  
KHM Environmental Management  
6284 San Ignacio Avenue, Suite E  
San Jose, CA

Subject : 26 Soil Samples  
Project Name : 6750 Santa Rita Road, Pleasanton, CA  
Project Number : C85-6750 Santa Rita  
P.O. Number : SAP# 135786

Dear Ms. Yantis,

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

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

Sincerely,

  
Joel Kiff



Report Number : 29878

Date : 11/26/2002

Subject : 26 Soil Samples  
Project Name : 6750 Santa Rita Road, Pleasanton, CA  
Project Number : C85-6750 Santa Rita  
P.O. Number : SAP# 135786

## Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for sample D-2@5'.

Approved By:  \_\_\_\_\_  
Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : D-1@3'

Matrix : Soil

Lab Number : 29878-01

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	99.1		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/25/2002
1-Chlorooctadecane (Diesel Surrogate)	93.2		% Recovery	M EPA 8015	11/25/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : D-2@5'

Matrix : Soil

Lab Number : 29878-02

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/23/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/23/2002
Ethylbenzene	0.026	0.005	mg/Kg	EPA 8260B	11/23/2002
Total Xylenes	0.52	0.010	mg/Kg	EPA 8260B	11/23/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
TPH as Gasoline	10	1.0	mg/Kg	EPA 8260B	11/23/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/23/2002
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	11/23/2002
TPH as Diesel	7.1	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : D-3@4'

Matrix : Soil

Lab Number : 29878-03

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/22/2002
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	11/22/2002
4-Bromofluorobenzene (Surr)	99.5		% Recovery	EPA 8260B	11/22/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : D-4@4'

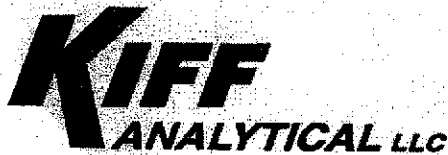
Matrix : Soil

Lab Number : 29878-04

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	96.1		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	98.7		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : D-5@5'

Matrix : Soil

Lab Number : 29878-05

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	95.8		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	95.9		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff





Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : D-6@4.5'

Matrix : Soil

Lab Number : 29878-06

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	11	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	102		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : D-7@4.5'

Matrix : Soil

Lab Number : 29878-07

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	112		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : D-8@3.5'

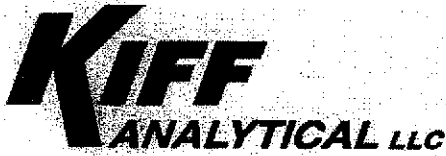
Matrix : Soil

Lab Number : 29878-08

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/22/2002
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	11/22/2002
4-Bromofluorobenzene (Surr)	99.7		% Recovery	EPA 8260B	11/22/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	93.3		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : D-9@3.5'

Matrix : Soil

Lab Number : 29878-23

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/23/2002
1-Chlorooctadecane (Diesel Surrogate)	121		% Recovery	M EPA 8015	11/23/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : D-10@4'

Matrix : Soil

Lab Number : 29878-24

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	99.0		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/23/2002
1-Chlorooctadecane (Diesel Surrogate)	109		% Recovery	M EPA 8015	11/23/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-3@5'

Matrix : Soil

Lab Number : 29878-11

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/25/2002
1-Chlorooctadecane (Diesel Surrogate)	98.1		% Recovery	M EPA 8015	11/25/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-1@3'

Matrix : Soil

Lab Number : 29878-09

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	1.1	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	102		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-4@4.5'

Matrix : Soil

Lab Number : 29878-12

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/22/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/22/2002
4-Bromofluorobenzene (Surr)	99.5		% Recovery	EPA 8260B	11/22/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/25/2002
1-Chlorooctadecane (Diesel Surrogate)	95.4		% Recovery	M EPA 8015	11/25/2002

Approved By:  Joel Kiff





Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-9@7'

Matrix : Soil

Lab Number : 29878-17

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	95.2		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-8@7.5'

Matrix : Soil

Lab Number : 29878-16

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	111		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-5@5.5'

Matrix : Soil

Lab Number : 29878-13

Sample Date :11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	91.2		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/25/2002
1-Chlorooctadecane (Diesel Surrogate)	96.7		% Recovery	M EPA 8015	11/25/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-7@6.5'

Matrix : Soil

Lab Number : 29878-15

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	96.9		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	98.9		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	100		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-6@6.5'

Matrix : Soil

Lab Number : 29878-14

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/22/2002
Total Xylenes	< 0.010	0.010	mg/Kg	EPA 8260B	11/22/2002
Methyl-t-butyl ether (MTBE)	0.9	0.5	mg/Kg	EPA 8260B	11/22/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/22/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/22/2002
Toluene - d8 (Surr)	112		% Recovery	EPA 8260B	11/22/2002
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	11/22/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/25/2002
1-Chlorooctadecane (Diesel Surrogate)	94.9		% Recovery	M EPA 8015	11/25/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-11@5.5'

Matrix : Soil

Lab Number : 29878-19

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/23/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/23/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/23/2002
Total Xylenes	< 0.010	0.010	mg/Kg	EPA 8260B	11/23/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/23/2002
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	11/23/2002
4-Bromofluorobenzene (Surr)	95.1		% Recovery	EPA 8260B	11/23/2002
TPH as Diesel	18	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	106		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-10@5.5'

Matrix : Soil

Lab Number : 29878-18

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	94.6		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-2@3'

Matrix : Soil

Lab Number : 29878-10

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	117		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff





Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-12@5'

Matrix : Soil

Lab Number : 29878-20

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	1.8	1.0	mg/Kg	M EPA 8015	11/26/2002
1-Chlorooctadecane (Diesel Surrogate)	115		% Recovery	M EPA 8015	11/26/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-13@4'

Matrix : Soil

Lab Number : 29878-21

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	93.5		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/23/2002
1-Chlorooctadecane (Diesel Surrogate)	119		% Recovery	M EPA 8015	11/23/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-14@3.5'

Matrix : Soil

Lab Number : 29878-22

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	0.018	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	0.055	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	98.2		% Recovery	EPA 8260B	11/21/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/23/2002
1-Chlorooctadecane (Diesel Surrogate)	120		% Recovery	M EPA 8015	11/23/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-15@5.5'

Matrix : Soil

Lab Number : 29878-25

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/20/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/20/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/20/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/20/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/20/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/20/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/20/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/20/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/20/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/20/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/20/2002
4-Bromofluorobenzene (Surr)	98.4		% Recovery	EPA 8260B	11/20/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/23/2002
1-Chlorooctadecane (Diesel Surrogate)	114		% Recovery	M EPA 8015	11/23/2002

Approved By:  Joel Kiff



Report Number : 29878

Date : 11/26/2002

Project Name : 6750 Santa Rita Road, Pleasanton, CA

Project Number : C85-6750 Santa Rita

Sample : P-16@5'

Matrix : Soil

Lab Number : 29878-26

Sample Date : 11/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/20/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/20/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/20/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/20/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/20/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/20/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/20/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/20/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/20/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/20/2002
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	11/20/2002
4-Bromofluorobenzene (Surr)	96.8		% Recovery	EPA 8260B	11/20/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/23/2002
1-Chlorooctadecane (Diesel Surrogate)	120		% Recovery	M EPA 8015	11/23/2002

Approved By:  Joel Kiff

Report Number: 29878

Date: 11/26/2002


**QC Report : Method Blank Data**

Project Name : **6750 Santa Rita Road, Pleasanton, CA**

Project Number : **C85-6750 Santa Rita**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/22/2002
1-Chlorooctadecane (Diesel Surrogate)	96.6		%	M EPA 8015	11/22/2002
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/25/2002
1-Chlorooctadecane (Diesel Surrogate)	97.6		%	M EPA 8015	11/25/2002
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/21/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/21/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/21/2002
Toluene - d8 (Surr)	102		%	EPA 8260B	11/21/2002
4-Bromofluorobenzene (Surr)	98.3		%	EPA 8260B	11/21/2002
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/23/2002
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	11/23/2002
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	11/23/2002
Total Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	11/23/2002
Methyl-t-butyl ether (MTBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Diisopropyl ether (DIPE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Ethyl-t-butyl ether (ETBE)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Tert-amyl methyl ether (TAME)	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
Tert-Butanol	< 0.5	0.5	mg/Kg	EPA 8260B	11/23/2002
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	11/23/2002
Toluene - d8 (Surr)	102		%	EPA 8260B	11/23/2002
4-Bromofluorobenzene (Surr)	98.1		%	EPA 8260B	11/23/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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Approved By:  Joel Kiff

Report Number : 29878

Date : 11/26/2002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 6750 Santa Rita Road,

Project Number : C85-6750 Santa Rita

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	29878-01	<0.0050	0.0394	0.0398	0.0376	0.0375	mg/Kg	EPA 8260B	11/23/02	95.4	94.2	1.26	70-130	25
Toluene	29878-01	<0.0050	0.0394	0.0398	0.0357	0.0360	mg/Kg	EPA 8260B	11/23/02	90.7	90.5	0.221	70-130	25
Tert-Butanol	29878-01	<0.0050	0.197	0.199	0.182	0.184	mg/Kg	EPA 8260B	11/23/02	92.8	92.7	0.0809	70-130	25
Methyl-t-Butyl Ether	29878-01	<0.0050	0.0394	0.0398	0.0336	0.0344	mg/Kg	EPA 8260B	11/23/02	85.2	86.5	1.43	70-130	25
TPH as Diesel	29871-03	<1.0	20.0	20.0	20.2	19.3	mg/Kg	M EPA 8015	11/23/02	101	96.4	4.92	60-140	25
TPH as Diesel	29878-11	<1.0	20.0	20.0	20.5	20.3	mg/Kg	M EPA 8015	11/25/02	102	102	0.819	60-140	25
Benzene	29877-02	<0.0050	0.0399	0.0397	0.0372	0.0364	mg/Kg	EPA 8260B	11/21/02	93.2	91.7	1.60	70-130	25
Toluene	29877-02	<0.0050	0.0399	0.0397	0.0376	0.0352	mg/Kg	EPA 8260B	11/21/02	94.2	88.8	5.93	70-130	25
Tert-Butanol	29877-02	<0.0050	0.200	0.198	0.187	0.189	mg/Kg	EPA 8260B	11/21/02	93.7	95.2	1.54	70-130	25
Methyl-t-Butyl Ether	29877-02	<0.0050	0.0399	0.0397	0.0427	0.0420	mg/Kg	EPA 8260B	11/21/02	107	106	0.986	70-130	25

Approved By:  Joel Kiff

Report Number: 29878

Date: 11/26/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : 6750 Santa Rita Road,

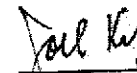
Project Number : C85-6750 Santa Rita

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0399	mg/Kg	EPA 8260B	11/21/02	99.0	70-130
Toluene	0.0399	mg/Kg	EPA 8260B	11/21/02	97.3	70-130
Tert-Butanol	0.200	mg/Kg	EPA 8260B	11/21/02	93.0	70-130
Methyl-t-Butyl Ether	0.0399	mg/Kg	EPA 8260B	11/21/02	88.5	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	11/22/02	87.6	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	11/25/02	95.9	70-130
Benzene	0.0393	mg/Kg	EPA 8260B	11/21/02	95.7	70-130
Toluene	0.0393	mg/Kg	EPA 8260B	11/21/02	98.2	70-130
Tert-Butanol	0.196	mg/Kg	EPA 8260B	11/21/02	90.6	70-130
Methyl-t-Butyl Ether	0.0393	mg/Kg	EPA 8260B	11/21/02	109	70-130

KIFF ANALYTICAL, LLC

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

Approved By:

  
Joel Kiff



KIFF ANALYTICAL

# EQUIVA Services LLC Chain Of Custody Record

720 Olive Drive, Suite D  
 Davis, CA 95616  
 (530) 297-4800 (530) 297-4803 fax

Equiva Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Jim Martin

29878

INCIDENT NUMBER (S&E ONLY):

S&E or CRMT NUMBER (TS/CRMT):

1	3	5	7	8	6
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DATE: 11/18/02

PAGE: 1 of 3

SAMPLING COMPANY: **KHM Environmental Management**

LOG CODE: **KHMS**

ADDRESS: **6284 San Ignacio Ave., San Jose, CA 95119**

PROJECT CONTACT (Hardcopy or PDF Report to): **Janet Yantis**

TELEPHONE: (408) 224-4724 FAX: (408) 224-4518 EMAIL: jyantis@khm1.com

SITE ADDRESS (Street and City): **6750 Santa Rita Road, Pleasanton, CA**

GLOBAL ID NO.:

EDF DELIVERABLE TO (Responsible Party or Destination): **Vera Fischer** PHONE NO.: (408) 224-4724 EMAIL: vbrower@khm1.com

CONSULTANT PROJECT NO.: **C85-6750 Santa Rita**

SAMPLER NAME(S) (Print): **Garrett Haertel**

TURNAROUND TIME (BUSINESS DAYS):

10 DAYS  5 DAYS  72 HOURS  48 HOURS  LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT  UST AGENCY:

COMS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED

REQUESTED ANALYSIS

Field Sample Identification	DATE	TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (0.021B - 5ppb RL)	MTBE (0.260B - 0.5ppb RL)	Oxygens (5) by (0.260B)	Ethanol (0.260B)	Methanol	EDB & 1,2-DCA (0.260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (0.021B)	TRPH (415.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3415m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B)	TPH - Diesel Extractable (0.15m)	MTBE (0.021B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
D-1 @ 3'	11/15/02	1120	S	1	X	X			X													X	-01
D-2 @ 5'		1135			X	X			X													X	-02
D-3 @ 4'		1205			X	X			X													X	-03
D-4 @ 4'		1215			X	X			X													X	-04
D-5 @ 5'		1315			X	X			X													X	-05
D-6 @ 4.5'		1330			X	X			X													X	-06
D-7 @ 4.5'		1410			X	X			X													X	-07
D-8 @ 3.5'		1445			X	X			X													X	-08
P-1 @ 3'		1125			X	X			X													X	-09
P-2 @ 3'		1130			X	X			X													X	-10

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10/16/00 Revision

KIFF ANALYTICAL

# EQUIVA Services LLC Chain Of Custody Record

720 Olive Drive, Suite D

Davis, CA 95616

(530) 297-4800 (530) 297-4803 fax

Equiva Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- GRIFF HOUSTON

Jim Martin

29878

INCIDENT NUMBER (S&E ONLY)

SAP or CHAT NUMBER (TS/CRMT)

1 3 5 7 8 6

DATE: 11/18/02

PAGE: 2 of 3

SAMPLING COMPANY: <b>KHM Environmental Mangement</b>		LOG CODE: <b>KHMS</b>	SITE ADDRESS (Street and City): <b>6750 Santa Rita Road, Pleasanton, CA</b>		GLOBAL ID NO.:
ADDRESS: <b>6284 San Ignacio Ave., San Jose, CA 95119</b>		EDF DELIVERABLE TO (Responsible Party or Designer): <b>Vera Fischer</b>		PHONE NO.: <b>(408) 224-4724</b>	E-MAIL: <b>vbrower@khm1.com</b>
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Janet Yantis</b>		SAMPLER NAME(S) (Print): <b>Garrett Haertel</b>		CONSULTANT PROJECT NO.: <b>C85-6750 Santa Rita</b>	
TELEPHONE: <b>(408) 224-4724</b>	FAX: <b>(408) 224-4518</b>	E-MAIL: <b>jyantis@khm1.com</b>		LAB USE ONLY:	

TURNAROUND TIME (BUSINESS DAYS):  
 10 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT  UST AGENCY: \_\_\_\_\_

GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES: \_\_\_\_\_ CHECK BOX IF EOD IS NEEDED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MTRK	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (0021B - 8ppb RL)	MTBE (0200B - 0.5ppb RL)	Oxygenates (6) by (0200B)	Ethanol (0200B)	Methanol	EDB & 1,2-DCA (0200B)	EPA 8035 Extraction for Volatiles	VOCs Halogenated/Aromatic (0021B)	TRPH (010.1)	Vapor VOCs BTEX / MTBE (10-15)	Vapor VOCs Full List (10-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B-)	TPH - Diesel, Extractable (8015m)	MTBE (0200B) Confirmation, See Note	TEMPERATURE ON RECEIPT °C	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes			
		DATE	TIME																									
	P-3 @ 5'	11/15/02	1135	S	1	X	X			X																-11		
	P-4 @ 4.5'		1200		1	X	X			X																	-12	
	P-5 @ 5.5'		1210		1	X	X			X																	-13	
	P-6 @ 6.5'		1225		1	X	X			X																	-14	
	P-7 @ 6.5'		1250		1	X	X			X																	-15	
	P-8 @ 7.5'		1307		1	X	X			X																	-16	
	P-9 @ 7'		1320		1	X	X			X																	-17	
	P-10 @ 5.5'		1335		1	X	X			X																	-18	
	P-11 @ 5.5'		1350		1	X	X			X																	-19	
	P-12 @ 5'		1352		1	X	X			X																	-20	

Received by: (Signature) <i>[Signature]</i>	Date:	Time:
Received by: (Signature) <i>[Signature]</i>	Date:	Time:
Received by: (Signature) <i>[Signature]</i>	Date: 11/19/02	Time: 1124

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10/16/00 Revision

KIFF ANALYTICAL

# EQUIVA Services LLC Chain Of Custody Record

720 Olive Drive, Suite D  
Davis, CA 95616

(530) 297-4800 (530) 297-4803 fax

Equiva Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRUIT HOUSTON

Jim Martin

29878

INCIDENT NUMBER (S&E ONLY)

SAP or CRMT NUMBER (TS/CRMT)

1 3 5 7 8 6

DATE: 11/18/02

PAGE: 3 of 3

**SAMPLING COMPANY:** KHM Environmental Mangement  
**LOG CODE:** KHMS  
**ADDRESS:** 6284 San Ignacio Ave., San Jose, CA 95119  
**PROJECT CONTACT (Hardcopy or PDF Report to):** Janet Yantis  
**TELEPHONE:** (408) 224-4724 **FAX:** (408) 224-4518 **E-MAIL:** jyantis@khm1.com

**SITE ADDRESS (Street and City):** 6750 Santa Rita Road, Pleasanton, CA  
**EDF DELIVERABLE TO (Responsible Party or Owner):** Vera Fischer  
**PHONE NO.:** (408) 224-4724  
**E-MAIL:** vbrower@khm1.com  
**CONSULTANT PROJECT NO.:** C85-6750 Santa Rita  
**SAMPLER NAME(S) (Print):** Garrett Haertel

**TURNAROUND TIME (BUSINESS DAYS):**  
 10 DAYS  5 DAYS  72 HOURS  48 HOURS  LESS THAN 24 HOURS  
 LA - RWQCB REPORT FORMAT  UST AGENCY:  
**GC/MS MTBE CONFIRMATION:** HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_  
**SPECIAL INSTRUCTIONS OR NOTES:** CHECK BOX IF EDD IS NEEDED

**REQUESTED ANALYSIS**

TPH - Gas, Purgeable	BTEX	MTBE (0021B - 5ppb RL)	MTBE (0200B - 0.5ppb RL)	Oxygenates (0) by (0200B)	Ethanol (0200B)	Methanol	EDB & 1,2-DCA (0200B)	EPA 803B Extraction for Volatiles	VOCs Halogenated/Aromatic (0021B)	TRPH (418-1)	Vapor VOCs BTEX/MTBE (T0-15)	Vapor VOCs Full List (T0-15)	Vapor TPH (ASTM 3418m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B-	TPH - Diesel, Extractable (0015m)	MTBE (0200B) Confirmation, See Note
X	X			X												X	
X	X			X												X	
X	X			X												X	
X	X			X												X	
X	X			X												X	
X	X			X												X	

**FIELD NOTES:**  
 Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT °C

LAP USE ONLY	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.
	DATE	TIME	DATE	TIME		
	P-13 @ 4'	11/18/02	1420		S	1
	P-14 @ 3.5'		1430			
	D-9 @ 3.5'		1510			
	D-10 @ 4'		1525			
	P-15 @ 5.5'		1515			
	P-16 @ 5'	✓	1520	✓		

Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: (Signature) *John Cutler* Date: 11/19/02 Time: 1124

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

GAG Graphic (714) 898-8702

10/16/00 Revision



Report Number : 29658

Date : 11/11/2002

Janet Yantis  
KHM Environmental Management  
6284 San Ignacio Avenue, Suite E  
San Jose, CA

Subject : 2 Water Samples  
Project Name : 6750 Santa Rita Rd., Pleasanton  
Project Number : C85-6750 Santa Rita-  
P.O. Number : SAP# 135786

Dear Ms. Yantis,

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

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

Sincerely,

  
Joel Kiff



Report Number : 29658

Date : 11/11/2002

Project Name : 6750 Santa Rita Rd., Pleasanton

Project Number : C85-6750 Santa Rita-

Sample : T-2P-W

Matrix : Water

Lab Number : 29658-01

Sample Date :11/6/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	210	20	ug/L	EPA 8260B	11/10/2002
Toluene	1100	20	ug/L	EPA 8260B	11/10/2002
Ethylbenzene	81	20	ug/L	EPA 8260B	11/10/2002
Total Xylenes	900	20	ug/L	EPA 8260B	11/10/2002
Methyl-t-butyl ether (MTBE)	11000	200	ug/L	EPA 8260B	11/10/2002
TPH as Gasoline	7300	2000	ug/L	EPA 8260B	11/10/2002
Toluene - d8 (Surr)	93.1		% Recovery	EPA 8260B	11/10/2002
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	11/10/2002
TPH as Diesel	55000	500	ug/L	M EPA 8015	11/11/2002

Sample : TP-W

Matrix : Water

Lab Number : 29658-02

Sample Date :11/6/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	270	20	ug/L	EPA 8260B	11/10/2002
Toluene	1800	20	ug/L	EPA 8260B	11/10/2002
Ethylbenzene	130	20	ug/L	EPA 8260B	11/10/2002
Total Xylenes	1100	20	ug/L	EPA 8260B	11/10/2002
Methyl-t-butyl ether (MTBE)	8000	250	ug/L	EPA 8260B	11/11/2002
TPH as Gasoline	9300	2000	ug/L	EPA 8260B	11/10/2002
Toluene - d8 (Surr)	92.7		% Recovery	EPA 8260B	11/10/2002
4-Bromofluorobenzene (Surr)	99.5		% Recovery	EPA 8260B	11/10/2002
TPH as Diesel	840	50	ug/L	M EPA 8015	11/10/2002

Approved By:  Joel Kiff

QC Report : Method Blank Data

Project Name : 6750 Santa Rita Rd., Pleasanton

Project Number : C85-6750 Santa Rita-

Report Number: 29658

Date : 11/11/2002

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
TPH as Diesel	< 50	50	ug/L	MEPA 8015	11/10/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/9/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/9/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/9/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/9/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	11/9/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/9/2002
Toluene - d8 (Surr)	104		%	EPA 8260B	11/9/2002
4-Bromofluorobenzene (Surr)	96.5		%	EPA 8260B	11/9/2002

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 29658

Date : 11/11/2002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 6750 Santa Rita Rd.,

Project Number : C85-6750 Santa Rita-

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	911	971	ug/L	M EPA 8015	11/10/02	91.1	97.1	6.34	70-130	25
Benzene	29587-03	2.5	98.5	98.5	94.8	98.6	ug/L	EPA 8260B	11/9/02	93.6	97.5	4.08	70-130	25
Toluene	29587-03	<0.50	98.5	98.5	92.0	95.1	ug/L	EPA 8260B	11/9/02	93.4	96.5	3.32	70-130	25
Tert-Butanol	29587-03	5.8	493	493	517	506	ug/L	EPA 8260B	11/9/02	104	102	2.15	70-130	25
Methyl-t-Butyl Ether	29587-03	<0.50	98.5	98.5	76.7	79.4	ug/L	EPA 8260B	11/9/02	77.8	80.6	3.47	70-130	25

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number: 29658

Date: 11/11/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : 6750 Santa Rita Rd.,

Project Number : C85-6750 Santa Rita-

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	11/9/02	105	70-130
Toluene	40.0	ug/L	EPA 8260B	11/9/02	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/9/02	88.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/9/02	96.6	70-130

KIFF ANALYTICAL, LLC

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

Approved By:

  
Joel Kiff



720 Olive Drive, Suite D  
Davis, CA 95616

(530) 297-4800 (530) 297-4803 fax

Equiva Project Manager to be Involved:  
 SCIENCE & ENGINEERING Karen Petryna  
 TECHNICAL SERVICES  
 CRMT HOUSTON

29658

INCIDENT NUMBER (SEE ONLY)						
SAP or CRMT NUMBER (TS/CRMT)						
	1	3	5	7	8	6

DATE: 11-05-02  
PAGE: 1 of 1

SAMPLING COMPANY: **KHM Environmental Mangement**  
 ADDRESS: **6204 San Ignacio Ave., San Jose, CA 95119**  
 PROJECT CONTACT (Hardcopy or PDF Report to): **Janet Yantis**  
 TELEPHONE: (408) 224-4724 FAX: (408) 224-4516 E-MAIL: **jyantis@khm1.com**

LOG CODE:   
 SITE ADDRESS (Street and City): **6750 Santa Rita Rd., Pleasanton**  
 EDF DELIVERABLE TO (Responsible Party or Designer): **Janet Yantis** PHONE NO.: (408) 224-4724  
 SAMPLER NAME(S) Part: **Janet Yantis**

GLOBAL ID NO.:   
 E-MAIL: **jyantis@khm1.com** CONSULTANT PROJECT NO.: **C85-6750 Santa Rita-PP**

TURNAROUND TIME (BUSINESS DAYS):  
 10 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT  UST AGENCY:  
 GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED   
 Note Sample Date, please meet hold times.

TPH - Gas, Purgeable	BTEX	MTBE (0021B - 5ppb RL)	MTBE (0260B - 0.5ppb RL)	Oxygenates (5) by (0260B)	Ethanol (0260B)	Methanol	EDB & 1,2-DCA (0260B)	EPA 505S Extraction for Volatiles	VOCs Halogenated/Aromatic (0021B)	TPH (018.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B- )	Total RCRA 6 Metals	TPH - Diesel, Extractable (0015m)	MTBE (002B) Confirmation, See Note
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FIELD NOTES:  
 Container/Preservative  
 or PID Readings  
 or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (0021B - 5ppb RL)	MTBE (0260B - 0.5ppb RL)	Oxygenates (5) by (0260B)	Ethanol (0260B)	Methanol	EDB & 1,2-DCA (0260B)	EPA 505S Extraction for Volatiles	VOCs Halogenated/Aromatic (0021B)	TPH (018.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B- )	Total RCRA 6 Metals	TPH - Diesel, Extractable (0015m)	MTBE (002B) Confirmation, See Note	TEMPERATURE ON RECEIPT C°	
		DATE	TIME																							
	T-2P-W	11/6/02	15:15	Water	3	X	X	X																	70.1	
	TP-W	11/6/02	11:30	Water	4	X	X	X																	70.2	

Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Requested by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: (Signature) **John C. Kiff Analytical** Date: **110802** Time: **1058**

**BLAINE**  
TECH SERVICES, INC.



1680 ROGERS AVENUE  
SAN JOSE, CA 95112-1105  
(408) 573-7771 FAX  
(408) 573-0555 PHONE  
CONTRACTOR'S LICENSE #746684  
www.blainetech.com

May 2, 2003

Karen Petryna  
Shell Oil Products US  
P.O. Box 7869  
Burbank, CA 91510-7869

First Quarter 2003 Groundwater Monitoring at  
Shell-branded Service Station  
6750 Santa Rita Road  
Pleasanton, CA

Monitoring performed on March 28, 2003

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Groundwater Monitoring Report 030328-BA-2

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Leon Gearhart  
Project Coordinator

LG/jt

attachments: Cumulative Table of WELL CONCENTRATIONS  
Certified Analytical Report  
Field Data Sheets

cc: Debbie Arnold  
KHM Environmental  
6234 San Ignacio Avenue, Suite E  
San Jose, CA 95119

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6750 Santa Rita Road**  
**Pleasanton, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	12/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	31.75	NA
MW-1	12/22/2002	<50	81	<0.50	<0.50	<0.50	<0.50	62	NA	31.93	NA
MW-1	03/28/2003	<50	70	<0.50	<0.50	<0.50	<1.0	130	343.48	31.59	311.89
MW-2	12/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	31.25	NA
MW-2	12/22/2002	<200	120	<2.0	<2.0	<2.0	<2.0	660	NA	30.70	NA
MW-2	03/28/2003	<2,500	60	<25	<25	<25	<50	4,200	342.86	30.30	312.56
MW-3	12/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	31.65	NA
MW-3	12/22/2002	<2,000	72	<20	<20	<20	<20	8,000	NA	31.10	NA
MW-3	03/28/2003	<5,000	89	<50	<50	<50	<100	10,000	342.23	30.76	311.47
MW-4	12/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	32.92	NA
MW-4	12/22/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	93	NA	32.20	NA
MW-4	03/28/2003	<50	67	<0.50	<0.50	<0.50	<1.0	2.4	343.44	32.07	311.37

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**6750 Santa Rita Road**  
**Pleasanton, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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**Abbreviations:**

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.

MTBE = Methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft = Feet

<n = Below detection limit

NA = Not applicable

**Notes:**

Site surveyed November 22, 2002, by Mid Coast Engineers.

Blaine Tech Services, Inc.

April 13, 2003

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 03028-BA2  
Project: 97402156  
Site: 6750 Santa Rita Rd.  
Pleasanton, CA

Dear Mr. Gearhart,

Attached is our report for your samples received on 03/28/2003 15:29


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 05/12/2003 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: [tgranicher@stl-inc.com](mailto:tgranicher@stl-inc.com)

Sincerely,



Tod Granicher  
Project Manager

**Diesel (C10-C24) by 8015m**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2

97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.

Pleasanton, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	03/28/2003 10:03	Water	1
MW-2	03/28/2003 10:16	Water	2
MW-3	03/28/2003 10:29	Water	3
MW-4	03/28/2003 09:49	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

04/07/2003 15:10

**Diesel (C10-C24) by 8015m**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2

97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.

Pleasanton, CA

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-1	Lab ID:	2003-03-0679-1
Sampled:	03/28/2003 10:03	Extracted:	4/3/2003 07:53
Matrix:	Water	QC Batch#:	2003/04/03-02-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	70	50	ug/L	1.00	04/04/2003 08:30	ndp
<b>Surrogates(s)</b>						
o-Terphenyl	85.5	60-130	%	1.00	04/04/2003 08:30	

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

04/07/2003 15:10



**Diesel (C10-C24) by 8015m**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2  
97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.  
Pleasanton, CA

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-2	Lab ID:	2003-03-0679 - 2
Sampled:	03/28/2003 10:16	Extracted:	4/3/2003 07:53
Matrix:	Water	QC Batch#:	2003/04/03-02-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	60	50	ug/L	1.00	04/04/2003 07:52	ndp
<b>Surrogates(s)</b> o-Terphenyl	80.6	60-130	%	1.00	04/04/2003 07:52	

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

04/07/2003 15:10

**Diesel (C10-C24) by 8015m**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2

97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.

Pleasanton, CA

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-3	Lab ID:	2003-03-0679 - 3
Sampled:	03/28/2003 10:29	Extracted:	4/3/2003 07:53
Matrix:	Water	QC Batch#:	2003/04/03-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	89	50	ug/L	1.00	04/04/2003 07:15	ndp
<i>Surrogates(s)</i>						
o-Terphenyl	82.5	60-130	%	1.00	04/04/2003 07:15	

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

04/07/2003 15:10

**Diesel (C10-C24) by 8015m**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2

97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.

Pleasanton, CA

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-4	Lab ID:	2003-03-0679-4
Sampled:	03/28/2003 09:49	Extracted:	4/3/2003 07:53
Matrix:	Water	QC Batch#:	2003/04/03-02-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	67	50	ug/L	1.00	04/04/2003 06:38	ndp
<b>Surrogates(s)</b>						
o-Terphenyl	89.2	60-130	%	1.00	04/04/2003 06:38	

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

04/07/2003 15:10

**Diesel (C10-C24) by 8015m**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2  
97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.  
Pleasanton, CA

Batch QC Report					
Prep(s): 3510/8015M				Test(s): 8015M	
Method Blank		Water		QC Batch # 2003/04/03-02-10	
MB: 2003/04/03-02-10-001				Date Extracted: 04/03/2003 07:53	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	04/03/2003 11:58	
<b>Surrogates(s)</b> o-Terphenyl	93.1	60-130	%	04/03/2003 11:58	

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

04/07/2003 15:10

**Diesel (C10-C24) by 8015m**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2  
97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.  
Pleasanton, CA

Batch QC Report			
Prep(s): 3510/8015M		Test(s): 8015M	
Laboratory Control Spike		Water	QC Batch # 2003/04/03-02-10
LCS	2003/04/03-02-10-002	Extracted: 04/03/2003	Analyzed: 04/03/2003 13:12
LCSD	2003/04/03-02-10-003	Extracted: 04/03/2003	Analyzed: 04/03/2003 13:48

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	948	947	1000	94.8	94.7	0.1	60-130	25		
Surrogates(s) o-Terphenyl	18.9	18.5	20.0	94.4	92.4		60-130	0		

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

04/07/2003 15:10

**Diesel (C10-C24) by 8015m**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2

97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.  
Pleasanton, CA

**Legend and Notes**

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

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

**Gas/BTEX Fuel Oxygenates by 8260B**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2

97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.

Pleasanton, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	03/28/2003 10:03	Water	1
MW-2	03/28/2003 10:16	Water	2
MW-3	03/28/2003 10:29	Water	3
MW-4	03/28/2003 09:49	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

04/30/2003 15:40

**Gas/BTEX Fuel Oxygenates by 8260B**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San José, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2

97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.

Pleasanton, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-1	Lab ID:	2003-03-0679 - 1
Sampled:	03/28/2003 10:03	Extracted:	4/9/2003 18:39
Matrix:	Water	QC Batch#:	2003/04/09-V1-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/09/2003 18:39	
Benzene	ND	0.50	ug/L	1.00	04/09/2003 18:39	
Toluene	ND	0.50	ug/L	1.00	04/09/2003 18:39	
Ethylbenzene	ND	0.50	ug/L	1.00	04/09/2003 18:39	
Total xylenes	ND	1.0	ug/L	1.00	04/09/2003 18:39	
tert-Butyl alcohol (TBA)	43	5.0	ug/L	1.00	04/09/2003 18:39	
Methyl tert-butyl ether (MTBE)	130	0.50	ug/L	1.00	04/09/2003 18:39	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	04/09/2003 18:39	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	04/09/2003 18:39	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	04/09/2003 18:39	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	102.7	76-114	%	1.00	04/09/2003 18:39	
Toluene-d8	93.8	88-110	%	1.00	04/09/2003 18:39	

Severn Trent Laboratories, Inc.

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04/30/2003 15:40



**Gas/BTEX Fuel Oxygenates by 8260B**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2

97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.

Pleasanton, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-2	Lab ID:	2003-03-0679 - 2
Sampled:	03/28/2003 10:16	Extracted:	4/10/2003 14:14
Matrix:	Water	QC Batch#:	2003/04/10-1A.62
Analysis Flag: 0 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2500	ug/L	50.00	04/10/2003 14:14	
Benzene	ND	25	ug/L	50.00	04/10/2003 14:14	
Toluene	ND	25	ug/L	50.00	04/10/2003 14:14	
Ethylbenzene	ND	25	ug/L	50.00	04/10/2003 14:14	
Total xylenes	ND	50	ug/L	50.00	04/10/2003 14:14	
tert-Butyl alcohol (TBA)	2500	250	ug/L	50.00	04/10/2003 14:14	
Methyl tert-butyl ether (MTBE)	4200	25	ug/L	50.00	04/10/2003 14:14	
Di-isopropyl Ether (DIPE)	ND	100	ug/L	50.00	04/10/2003 14:14	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	50.00	04/10/2003 14:14	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	50.00	04/10/2003 14:14	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	102.2	76-114	%	50.00	04/10/2003 14:14	
Toluene-d8	101.6	88-110	%	50.00	04/10/2003 14:14	

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

04/30/2003 15:40

**Gas/BTEX Fuel Oxygenates by 8260B**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2  
97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.  
Pleasanton, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-3	Lab ID:	2003-03-0679-3
Sampled:	03/28/2003 10:29	Extracted:	4/10/2003 15:20
Matrix:	Water	QC Batch#:	2003/04/10-1A-62
Analysis Flag: o ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	5000	ug/L	100.00	04/10/2003 15:20	
Benzene	ND	50	ug/L	100.00	04/10/2003 15:20	
Toluene	ND	50	ug/L	100.00	04/10/2003 15:20	
Ethylbenzene	ND	50	ug/L	100.00	04/10/2003 15:20	
Total xylenes	ND	100	ug/L	100.00	04/10/2003 15:20	
tert-Butyl alcohol (TBA)	6100	500	ug/L	100.00	04/10/2003 15:20	
Methyl tert-butyl ether (MTBE)	10000	50	ug/L	100.00	04/10/2003 15:20	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	100.00	04/10/2003 15:20	
Ethyl tert-butyl ether (ETBE)	ND	200	ug/L	100.00	04/10/2003 15:20	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	04/10/2003 15:20	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	101.7	76-114	%	100.00	04/10/2003 15:20	
Toluene-d8	95.2	88-110	%	100.00	04/10/2003 15:20	

**Gas/BTEX Fuel Oxygenates by 8260B**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2  
97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.  
Pleasanton, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-4	Lab ID:	2003-03-0679 - 4
Sampled:	03/28/2003 09:49	Extracted:	4/10/2003 15:42
Matrix:	Water	GC Batch#:	2003/04/10-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/10/2003 15:42	
Benzene	ND	0.50	ug/L	1.00	04/10/2003 15:42	
Toluene	ND	0.50	ug/L	1.00	04/10/2003 15:42	
Ethylbenzene	ND	0.50	ug/L	1.00	04/10/2003 15:42	
Total xylenes	ND	1.0	ug/L	1.00	04/10/2003 15:42	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	04/10/2003 15:42	
Methyl tert-butyl ether (MTBE)	2.4	0.50	ug/L	1.00	04/10/2003 15:42	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	04/10/2003 15:42	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	04/10/2003 15:42	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	04/10/2003 15:42	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	103.8	76-114	%	1.00	04/10/2003 15:42	
Toluene-d8	97.7	88-110	%	1.00	04/10/2003 15:42	

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

04/30/2003 15:40

**Gas/BTEX Fuel Oxygenates by 8260B**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2  
97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.  
Pleasanton, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260FAB
Method Blank	Water	QC Batch # 2003/04/09-V1.62
MB: 2003/04/09-V1.62-035		Date Extracted: 04/09/2003 11:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/09/2003 11:35	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/09/2003 11:35	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/09/2003 11:35	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	04/09/2003 11:35	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	04/09/2003 11:35	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	04/09/2003 11:35	
Benzene	ND	0.5	ug/L	04/09/2003 11:35	
Toluene	ND	0.5	ug/L	04/09/2003 11:35	
Ethylbenzene	ND	0.5	ug/L	04/09/2003 11:35	
Total xylenes	ND	1.0	ug/L	04/09/2003 11:35	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	98.8	76-114	%	04/09/2003 11:35	
Toluene-d8	95.1	88-110	%	04/09/2003 11:35	

Sewern Trent Laboratories, Inc.

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04/30/2003 15:40

**Gas/BTEX Fuel Oxygenates by 8260B**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2  
97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.  
Pleasanton, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260FAB
Method Blank	Water	QC Batch # 2003/04/10-1A.62
MB: 2003/04/10-1A.62-057		Date Extracted: 04/10/2003 10:56

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/10/2003 10:56	
Benzene	ND	0.5	ug/L	04/10/2003 10:56	
Toluene	ND	0.5	ug/L	04/10/2003 10:56	
Ethylbenzene	ND	0.5	ug/L	04/10/2003 10:56	
Total xylenes	ND	1.0	ug/L	04/10/2003 10:56	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/10/2003 10:56	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/10/2003 10:56	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	04/10/2003 10:56	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	04/10/2003 10:56	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	04/10/2003 10:56	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	101.4	76-114	%	04/10/2003 10:56	
Toluene-d8	96.8	88-110	%	04/10/2003 10:56	

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

04/30/2003 15:40

**Gas/BTEX Fuel Oxygenates by 8260B**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2

97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.

Pleasanton, CA

Batch QC Report					
Prep(s): 5030B			Test(s): 8260FAB		
Laboratory Control Spike		Water		QC Batch # 2003/04/09-V1.62	
LCS	2003/04/09-V1.62-050	Extracted:	04/09/2003	Analyzed:	04/09/2003 10:50
LCSD	2003/04/09-V1.62-012	Extracted:	04/09/2003	Analyzed:	04/09/2003 11:12

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	30.2	29.4	25	120.8	117.6	2.7	65-165	20		
Benzene	25.0	26.1	25	100.0	104.4	4.3	69-129	20		
Toluene	24.5	25.6	25	98.0	102.4	4.4	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	521	489	500	104.2	97.8		76-114			
Toluene-d8	520	485	500	104.0	97.0		88-110			

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04/30/2003 15:40

**Gas/BTEX Fuel Oxygenates by 8260B**

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2  
97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.  
Pleasanton, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
Laboratory Control Spike	Water	QC Batch # 2003/04/10-1A.62	
LCS: 2003/04/10-1A.62-011	Extracted: 04/10/2003	Analyzed: 04/10/2003 10:11	
LCSD: 2003/04/10-1A.62-034	Extracted: 04/10/2003	Analyzed: 04/10/2003 10:34	

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	32.2	30.1	25	128.8	120.4	6.7	65-165	20		
Benzene	27.3	26.2	25	109.2	104.8	4.1	69-129	20		
Toluene	27.9	25.5	25	111.6	102.0	9.0	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	527	516	500	105.4	103.2		76-114			
Toluene-d8	533	512	500	106.6	102.4		88-110			

Severn Trent Laboratories, Inc.

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04/30/2003 15:40

Gas/BTEX Fuel Oxygenates by 8260B

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 03028-BA2

97402156

Received: 03/28/2003 15:29

Site: 6750 Santa Rita Rd.

Pleasanton, CA

Legend and Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

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



LAB: STL SAN FRANCISCO

SHELL Chain Of Custody Record

73015

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRIME/TOXIC

Lynn Walker

2003-03-0679

INCIDENT NUMBER (S&E ONLY)

9 7 4 0 2 1 5 6

S&E OR CRIME NUMBER (S&E OR CRIME)

DATE: 3/28/03

PAGE: 1 of 1

ANALYST COMPANY <b>Blain Tech Services</b> ADDRESS 1880 Rogers Avenue, San Jose, CA 95112 CONTACT NAME (Last, First or POC Name) <b>Leon Gearhart</b> TELEPHONE 408-573-0555 FAX 408-573-7771 EMAIL gearhart@blaintech.com	FIRM CODE <b>BTSS</b>	DATE ADDRESS (State and City) <b>6750 Santa Rita Rd., Pleasanton</b> GENERAL MANAGER (if Responsible Party or Designer) <b>Cebble Arnold</b> SAMPLE ID NUMBER (if any) <b>Brian Arnold</b>	GLOBAL ID (S&E) <b>pending</b> PHONE NO. (408)224-4724 EMAIL darold@shmt.com SHELL TANK PROJECT NO. <b>030528-3A2</b> BTR #
---	--------------------------	---	---

TURNAROUND TIME (BUSINESS DAYS):  
 10 DAYS  9 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS




REQUESTED ANALYSIS

LA - INVOICE REPORT FORMAT  UST AGENCY

QC/M3 MTRC CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDC IS NOT NEEDED:

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF COPIES	TPH - Gas, Purgeable	BTEX	MTRC (act. B - Spill RL)	MTRC (250B - 0.5ppb RL)	Organics (S by 25ppb)	TPH - Diesel, Extractable	FIELD NOTES
X	MW-1	3/28	1003	W	5	X	X			X	X	FIELD NOTES: Contains/Preservative of PID Readings or Laboratory Notes  3.8°C  TEMPERATURE ON RECEIPT °C
X	MW-2	1	1016	1	1	X	X			X	X	
X	MW-3	1	1029	1	1	X	X			X	X	
X	MW-4	1	0949	1	2	X	X			X	X	

Released by (Signature) 	Received by (Signature) 	Date <u>3/28/03</u>	Shift <u>1529</u>
Released by (Signature) 	Received by (Signature) Nouna K. STL-SF	Date <u>3-28-03</u>	Shift <u>1823</u>

LAB USE ONLY



STL

STL San Francisco

### Sample Receipt Checklist

Submission # 2003- 03 - 0679

Checklist completed by (initials) NSU Date: 03.31 /03

Courier name:  STL San Francisco  Client \_\_\_\_\_

- Custody seals intact on shipping container/samples Yes \_\_\_ No \_\_\_ Not Present
- Chain of custody present? Yes  No \_\_\_
- Chain of custody signed when relinquished and received? Yes  No \_\_\_
- Chain of custody agrees with sample labels? Yes  No \_\_\_
- Samples in proper container/bottle? Yes  No \_\_\_
- Sample containers intact? Yes  No \_\_\_
- Sufficient sample volume for indicated test? Yes  No \_\_\_
- All samples received within holding time? Yes  No \_\_\_
- Container/Temp Blank temperature in compliance ( $\pm 2^\circ C$ )? Yes  No \_\_\_
- Water - VOA vials have zero headspace? Yes  No \_\_\_

Temp: 38.0 °C

No VOA vials submitted Yes  No \_\_\_

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small - O), M (medium - O) or L (large - O)

Water - pH acceptable upon receipt?  Yes  No checked at ambient temp 3/28/03

pH adjusted- Preservative used:  HNO<sub>3</sub>  HCl  H<sub>2</sub>SO<sub>4</sub>  NaOH  ZnOAc

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) \_\_\_\_\_ Date: \_\_\_\_\_ / \_\_\_\_\_ /03

Client contacted:  Yes  No

Summary of discussion: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Corrective Action (per PM/Client): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

REPAIR DATA SHEET

Client shell Date 4-16-03

Site Address 6750 Santa Rita Road Pleasanton

Job Number ~~0311~~ 030416T.01 Technician TRAVIS

Repair Location MW-2

Deficiencies Corrected well Rim cracked  
Replaced well Box, Replaced  
Lock

Materials Used 4 1/2 Bgs concrete 1 Lock  
1 WB

Repair Location MW-2

Deficiencies Corrected well Box Rim cracked  
Broken tabs Replaced well  
Box

Materials Used 1 W.B - 4 Bgs concrete

Repair Location MW-3

Deficiencies Corrected Broken tabs, Lid  
Replaced W.B

Materials Used 1 W.B 4 1/2 Bgs concrete

Repair Location MW-4

Deficiencies Corrected Retap Bolt holes

Materials Used 2 Bolts

Repair Location \_\_\_\_\_

Deficiencies Corrected \_\_\_\_\_

Materials Used \_\_\_\_\_

Repair Location \_\_\_\_\_

Deficiencies Corrected \_\_\_\_\_

Materials Used \_\_\_\_\_

# WELLHEAD INSPECTION CHECKLIST

Client SHELL Date 3/28/03

Site Address 6750 SANTA RITA RD, PLEASANTON

Job Number 030328-BA2 Technician BREAN ALCOCK

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1								X
MW-2								X
MW-3								X
MW-4								X

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## SHELL WELL MONITORING DATA SHEET

BTS #: <u>030328-BA2</u>	Site: <u>6750 SANTA RITA RD, PLEASANTON</u>
Sampler: <u>Brian Alford</u>	Date: <u>3/28/03</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth (TD): <u>41.75</u>	Depth to Water (DTW): <u>31.59</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: <del>Bailer</del> <del>Disposable Bailer</del> <del>Middleburg</del> <del>Electric Submersible</del>	<del>Water</del> <del>Peristaltic</del> <del>Extraction Pump</del> <del>Other</del>	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other:
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Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

(Gals.) X No Purge = \_\_\_\_\_ Gals.  
 Case Volume      Specified Volumes      Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
<u>1003</u>	<u>65.0</u>	<u>7.4</u>	<u>2741</u>	<u>7,000</u>	—	<u>very cloudy brown</u>

Did well dewater?    Yes    No      Gallons actually evacuated:    —

Sampling Date: 3/28/03    Sampling Time: 1003    Depth to Water: 31.59

Sample I.D.: MW-1      Laboratory:    Kiff    SPL    Other SAN FRANCISCO

Analyzed for: TPH-G BTEX MTBE TPH-D    Other: OXYS

SB I.D. (if applicable):      @      Duplicate I.D. (if applicable):

Analyzed for:    TPH-G    BTEX    MTBE    TPH-D    Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
	D.R.P. (if req'd):	Pre-purge:	mV	Post-purge:

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>030329-BA2</u>	Site: <u>6750 SANTA RITA RD, PLEASANTON</u>
Sampler: <u>BELWA ALWARD</u>	Date: <u>3/28/03</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth (TD): <u>41.90</u>	Depth to Water (DTW): <u>30.30</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: <del>Bailer</del> <del>Disposable Bailer</del> <del>Middleburg</del> <del>Electric Submersible</del>	<del>Water</del> <del>Peristaltic</del> <del>Extraction Pump</del> Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

(Gals.) X No Purge = \_\_\_\_\_ Gals.  
 Case Volume      Specified Volumes      Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1016	65.0	7.3	3,060	71,000	—	Very cloudy brown

Did well dewater?    Yes    No      Gallons actually evacuated: —

Sampling Date: 3/28/03    Sampling Time: 1016    Depth to Water: 30.30

Sample I.D.: MW-2      Laboratory: Kiff    SPL    Other: SAN FRANCISCO

Analyzed for: TPH-G BTEX MTBE TPH-D Other: OXYS

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
D.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>030329-BA2</u>	Site: <u>6750 SANTA RITA RD, PLEASANTON</u>
Sampler: <u>BLW ALARD</u>	Date: <u>3/28/03</u>
Well I.D.: <u>MW-3</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth (TD): <u>44.00</u>	Depth to Water (DTW): <u>30.76</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Middleburg~~ ~~Electric Submersible~~   
                   Water ~~Peristaltic~~ ~~Extraction Pump~~   
                   Other \_\_\_\_\_

Sampling Method: Bailer   
 Disposable Bailer   
 Extraction Port   
 Dedicated Tubing   
 Other: \_\_\_\_\_

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

(Gals.) X No Purge = \_\_\_\_\_ Gals.   
 Case Volume                      Specified Volumes                      Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or <u>(S)</u> )	Turbidity (NTUs)	Gals. Removed	Observations
<u>1029</u>	<u>68.3</u>	<u>8.0</u>	<u>2,539</u>	<u>&gt;1,000</u>	—	<u>Very cloudy brown</u>

Did well dewater?    Yes    No                      Gallons actually evacuated:    —

Sampling Date: 3/28/03    Sampling Time: 1029    Depth to Water: 30.76

Sample I.D.: MW-3                      Laboratory:    KIF    SPL    Other SAN FRANCISCO

Analyzed for: TPH-G BTEX MTBE TPH-D Other: OTIS

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time    Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
D.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV



## SHELL WELL MONITORING DATA SHEET

3TS #: <u>030329-BA2</u>	Site: <u>6750 SANTA RITA RD, PLEASANTON</u>
Sampler: <u>BRASS ALIQUOT</u>	Date: <u>3/28/03</u>
Well I.D.: <u>MW-4</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>44.05</u>	Depth to Water (DTW): <u>32.07</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: <del>Bailer</del> <del>Disposable Bailer</del> <del>Middleburg</del> <del>Electric Submersible</del>	<del>Water</del> <del>Peristaltic</del> Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.17	Other	radius <sup>2</sup> * 0.163

(Gals.) X No Purge = \_\_\_\_\_ Gals.  
 Case Volume      Specified Volumes      Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
0949	66.0	7.4	2,453	71,000	—	Very cloudy brown

Did well dewater?    Yes    No      Gallons actually evacuated:    —

Sampling Date: 3/28/03    Sampling Time: 0949    Depth to Water: 32.07

Sample I.D.: MW-4      Laboratory: Kiff    SPL    Other: SAN FRANCISCO

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Other: OKYS

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time    Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
D.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

**ATTACHMENT C**

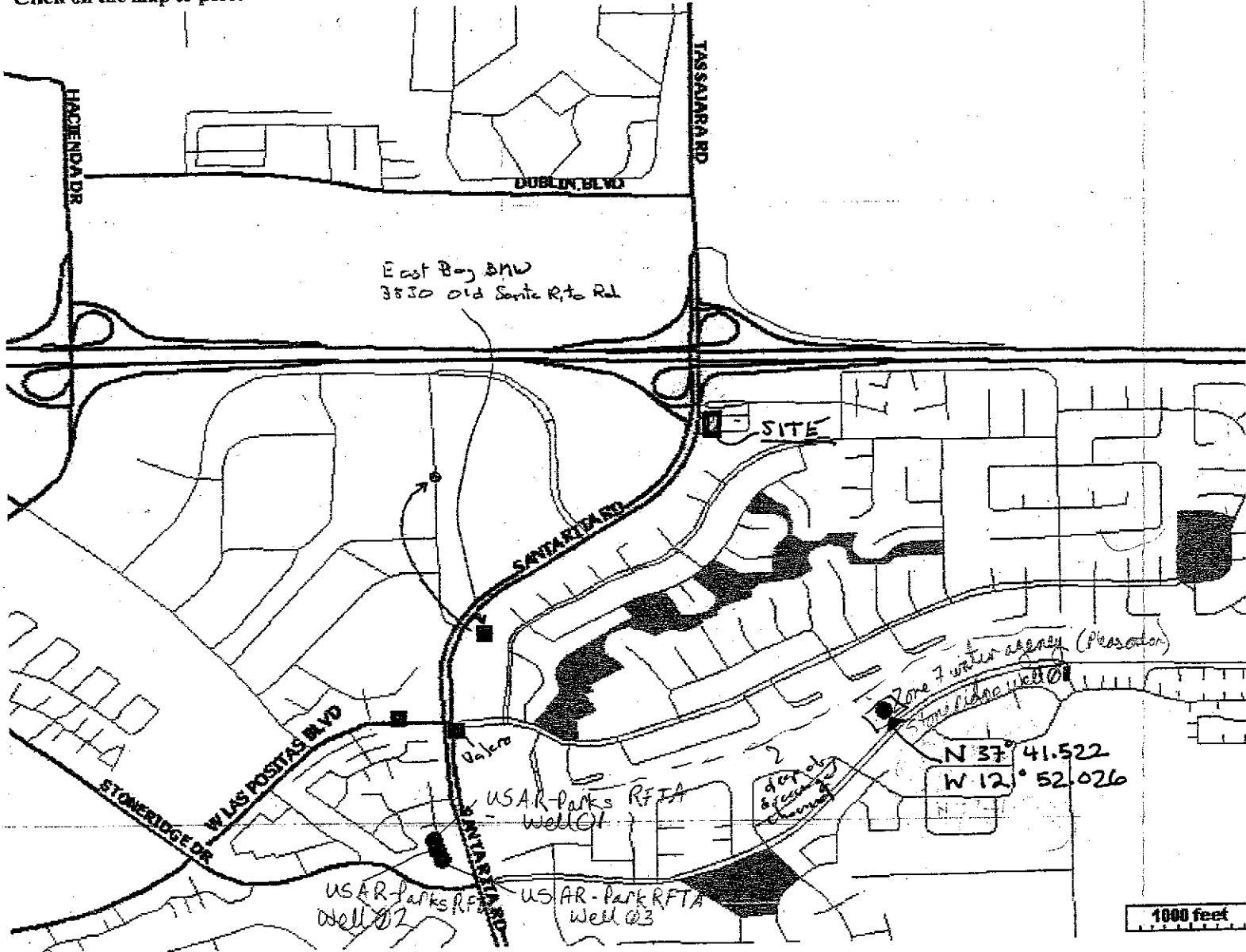
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**SENSITIVE RECEPTOR MAPS/PHOTO**

Zoom Out  2X  Pan  Identify  UST Sites

Show  Open  sites within  Any  of public wells.

Click on the map to perform the selected action.

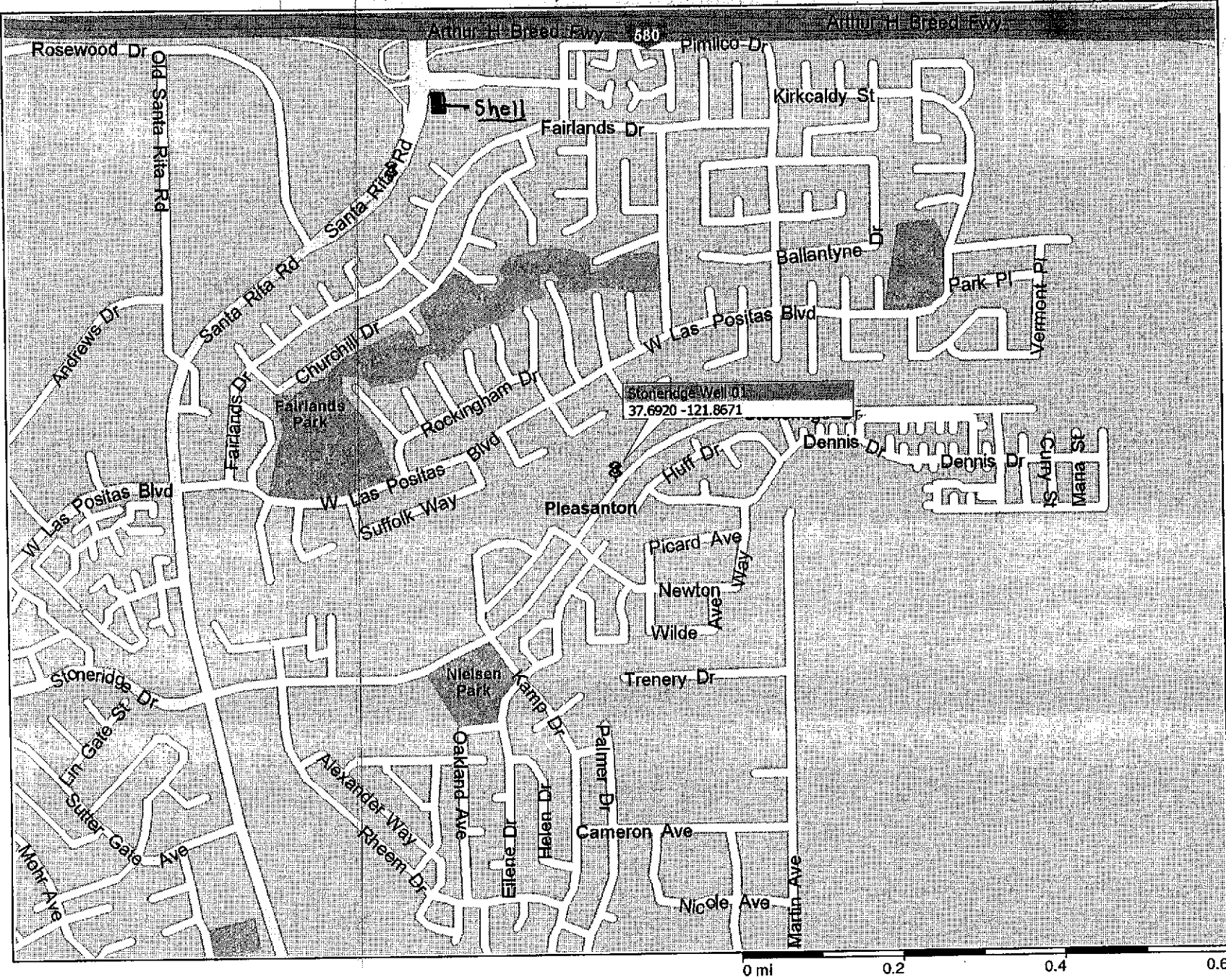


Street:

City:  Zip:

Well and LUFT site positions are approximate. Locational accuracy will improve as state agencies and responsible parties obtain and report new information.

Pleasanton area, California, United States



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**Well Report**

**ZONE 7 WATER AGENCY (PLEASANTON)**

**STONERIDGE WELL 01 - TREATED**

State Well Number: 0110010-010

[\(Show This Well on Map\)](#)

[Well Details](#) | [Geographic Information](#) | [DHS Water Quality Data](#) | [PWS Detailed Information](#)

**Local Name**

STONERIDGE WELL 01 - TREATED (0110010-010)

**Source Origin**

Groundwater

**Status**

Unknown

**Treatment Method**

No Treatment/Non Applicable

**Treatment Phase**

Water

**0 LUFT Site(s) Estimated to be Within 1/2 Mile Proximity of this Well**

- **List These LUFT Sites**

[Geotracker Home](#) | [Site/Facility Finder](#) | [Case Finder](#) | [MTBE/Case Reports](#)

**Geographic Information**

**ZONE 7 WATER AGENCY (PLEASANTON)**  
**STONERIDGE WELL 01 - TREATED**  
State Well Number: 0110010-010  
([Show This Well on Map](#))

[Well Details](#) | [Geographic Information](#) | [DHS Water Quality Data](#) | [PWS Detailed Information](#)

**Nearest Physical Address:**

Unknown

**Elevation of well:**

Unknown

**Geographic Information**

**Latitude:**

37.692132946

**Longitude:**

-121.8672342

**Projection:**

Geographic Projection

**Datum:**

North American Datum 1983

**Estimated error in Location:**

2162 feet

**Method:**

PTOOL

**Source of Data:**

ETAK Geocoding Class 1 Block Match - Street Segment Exact Address Match

[Geotracker Home](#) | [Site/Facility Finder](#) | [Case Finder](#) | [MTBE/Case Reports](#)

## Public Water System Information

**ZONE 7 WATER AGENCY (PLEASANTON)**

**STONERIDGE WELL 01 - TREATED**

State Well Number: 0110010-010

([Show This Well on Map](#))

[Well Details](#) | [Geographic Information](#) | [DHS Water Quality Data](#) | [PWS Detailed Information](#)

### Public Water System

ZONE 7 WATER AGENCY

#### Water System Address:

6660 OWENS DR

PLEASANTON, CA 94588-3334

#### PWS Class:

Community Water System (CWS)

### Ownership/Regulation

#### Ownership:

Local Government - Cities, Counties, Improvement Districts, Special Districts.

#### Regulating Entity:

State

#### Service Area:

Wholesaler

#### Date Entered System:

3/23/1992

#### System Status:

Active

#### Deactivation Date:

#### Last Revised:

5/28/1998

### Connection Information

#### Number of Service Connections:

34

#### Population Served:

156000

- [List all wells for this Public Water System](#)

[Geotracker Home](#) | [Site/Facility Finder](#) | [Case Finder](#) | [MTBE/Case Reports](#)



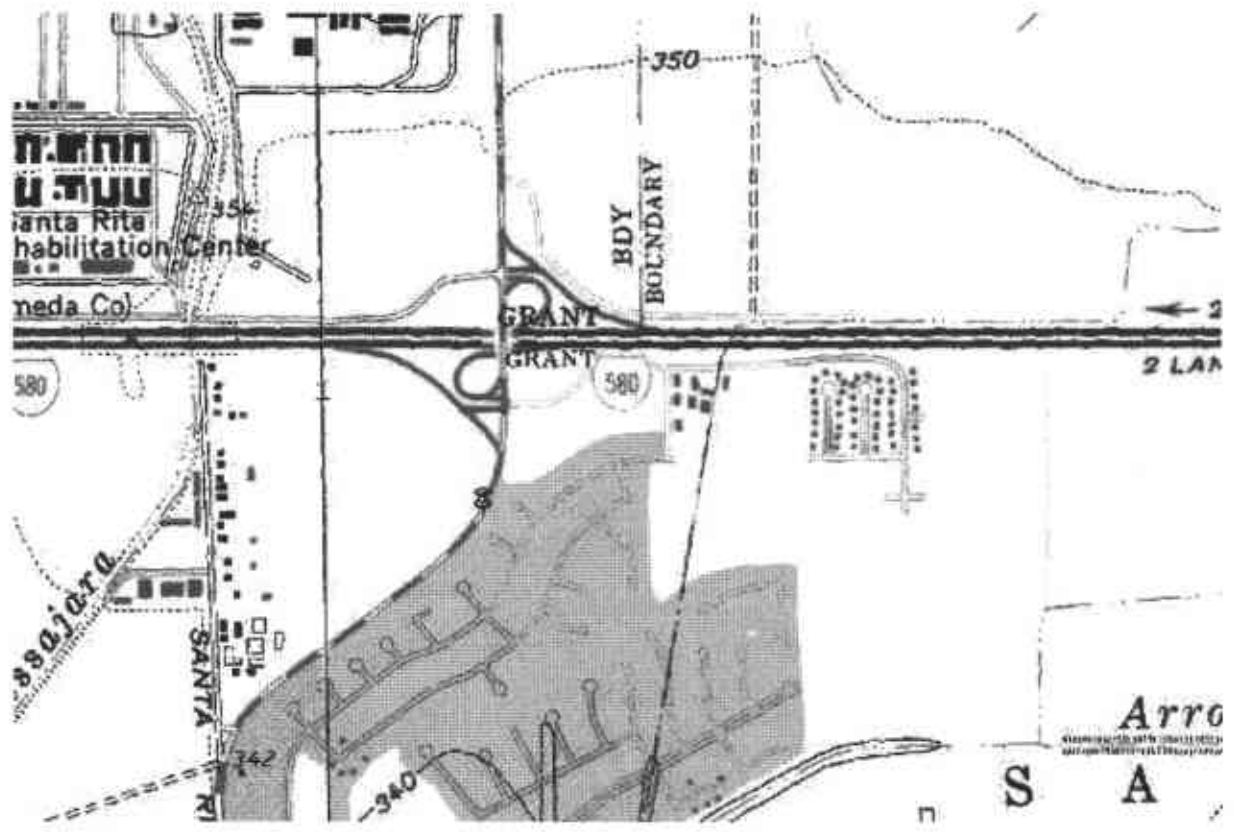
**Aerial Photo**  
June 12, 1993

**Topo Map**  
July 1, 1999

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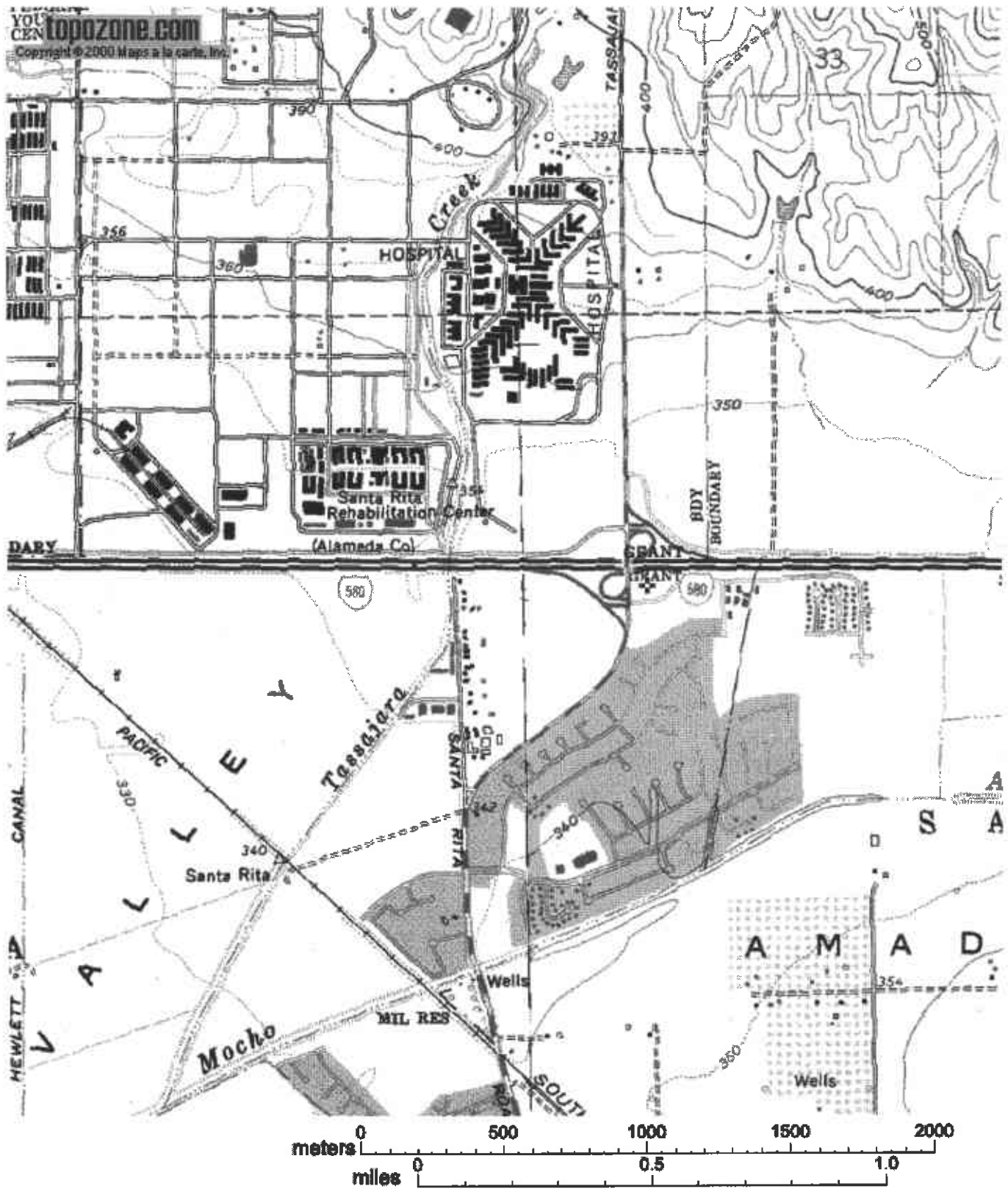
Topozone: USGS Quad = Livermore  
37.7009  
-121.8702

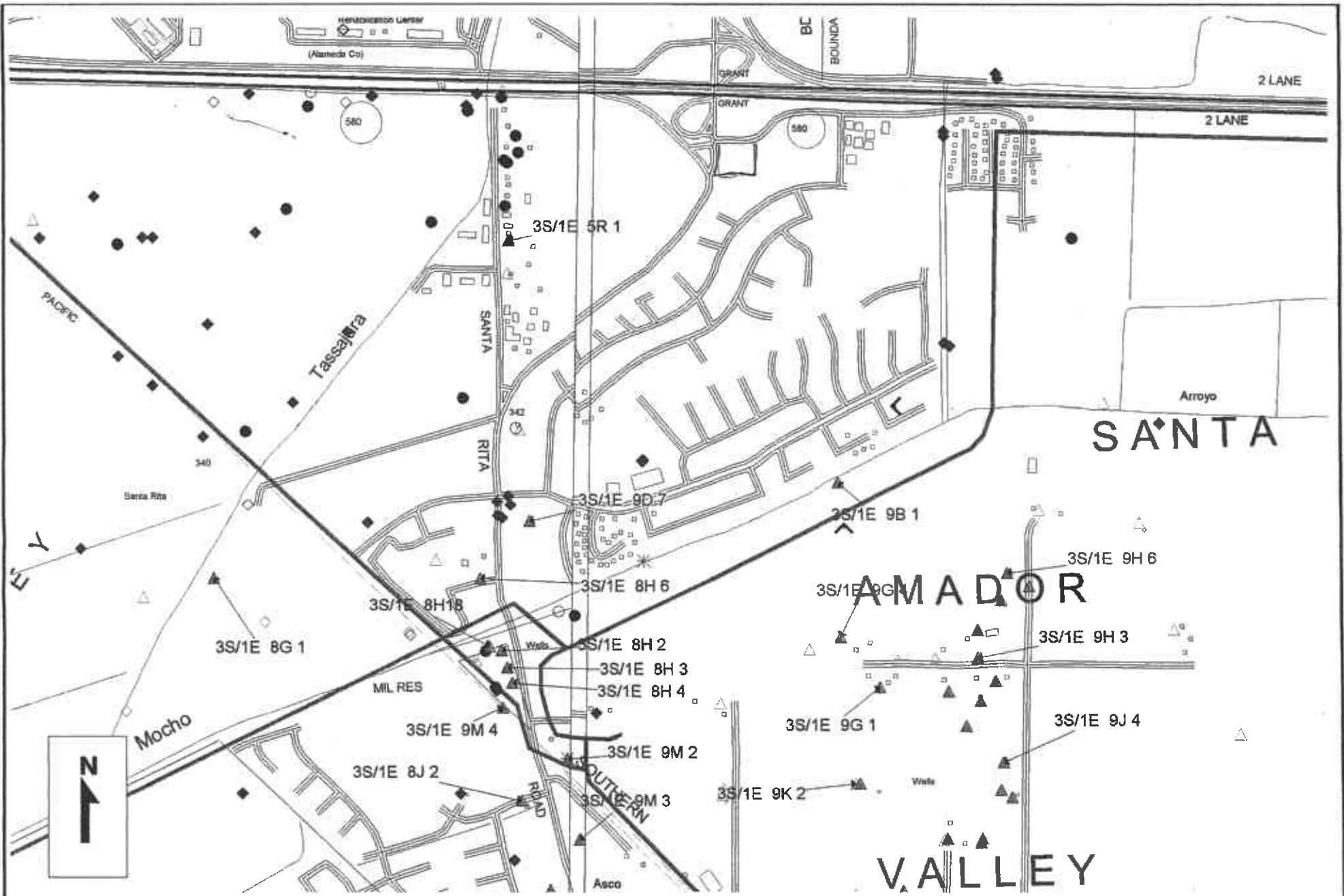






Target is 37.7009°N, 121.8702°W - LIVERMORE quad [Quad Info]





**ZONE 7 WATER AGENCY**  
 5997 PARKSIDE DRIVE  
 PLEASANTON, CA 94588

**WELL LOCATION MAP**

**SCALE: 1" = 1100 ft**

**DATE: 5/7/03**

**6750 Santa Rita Rd**  
Zone 7 Water Resource Management