



**Shell Oil Products US**

**RECEIVED**

*By loppjectop at 8:55 am, Mar 17, 2006*

March 15, 2006

Re: **Initial Site Conceptual Model (October 2005)**  
**Shell-branded Service Station**  
**5251 Hopyard Road**  
**Pleasanton, California**

Dear Mr. Jerry Wickham:

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,  
Shell Oil Products US

A handwritten signature in black ink, appearing to read "Denis L. Brown", with a long horizontal flourish extending to the right.

Denis L. Brown  
Sr. Environmental Engineer

Shell Oil Products US  
Initial Site Conceptual Model (October 2005)  
Shell-branded Service Station  
5251 Hopyard Road, Pleasanton, California

Explanation of abbreviations at bottom of table.

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to fill data gap	Comments
<b>Professional Certification</b>	Dated, signed and stamped certification by Lee Dooley, California Certified Hydrogeologist.		<a href="#">Certification</a>				
<b>Regional Setting</b>	<b>Geology/Stratigraphy</b> The site located is in the western portion of the Livermore Valley. A <a href="#">geologic map</a> covering the site area is included (California DWR Bulletin 118-2). The site is located on what is mapped as <a href="#">Younger Alluvial Fan Deposits (Qyof)</a> . Qyof deposits are described in Bulletin 118-2 as unconsolidated deposits of fine, but variable grain size - mainly fine sand, silt, and silty clay. Well drillers logs obtained from DWR for now destroyed wells in the site area indicate that clay extends from near the ground surface to a depth of greater than 100 feet below grade (bg).		<a href="#">Surficial geology map</a> <a href="#">USGS topographic map</a> DWR Well Drillers Logs (confidential)	DWR Bulletin 118-2	None	None	
	<b>Hydrogeology</b> The site is located in the Dublin Subbasin of the Livermore Valley. Groundwater in the Dublin subbasin is both confined and unconfined. In the shallower, unconfined aquifers, groundwater is generally about 20 feet below ground surface and has a potentiometric surface which <a href="#">slopes to the southeast</a> . The potentiometric surface of the deeper, confined aquifers is about 80 to 100 feet bg and slopes southward.		<a href="#">Zone 7 groundwater contour map</a> <a href="#">Subbasin Map</a> DWR Well Drillers Logs	Zone 7 DWR Bulletin 118-2	None	None	
	<b>Groundwater Pumping</b> A well (now destroyed), located approximately 2,000 feet east of the site was screened in the depth intervals of 103 to 106 feet and 173 to 178 feet bg. Depth to groundwater in the well was 85 feet bg when it was constructed in June 1969. The well drillers log indicates that the well was tested at 70 gallons per minute (gpm). Based on lithology, it appears most of the water came from the lower screened interval (sand and gravel).		DWR Well Drillers Log (confidential)		None	None	Site not within influence of any pumping wells.
	<b>Preferential Pathways</b> <b>Well Survey</b> - A well survey was performed by Toxicchem Management Systems, Inc. (Toxicchem) in 2004 using data from the California DWR and Zone 7. Seven wells were identified within ½-mile of the site. Two of the seven wells were indicated as being abandoned or destroyed. The nearest well was located approximately 1,200 feet east of the site. A table of Well Construction Details was prepared by Toxicchem.  Delta Environmental Consultants, Inc. (Delta) requested an updated Well Location Map from Zone 7 in 2005. The nearest water supply well was shown as Well 3S/1E 6J2 located approximately 1,250 feet east/northeast of the site (same well as identified above). A second well (3S/1E 6J3), classified as "Other Designated Well" was shown located approximately 1,200 feet east/northeast of the site. Three other water supply wells (3S/1E 6G5, 6G 6, and 6G25) were shown on the map at distances ranging from 1,700 feet to 2,200 feet northeast of the site.  In September 2005, Delta performed a field verification study in an	<a href="#">Well Survey Data Tables</a> (Toxicchem)	<a href="#">Well Location Map (5/17/04)- Toxicchem</a> <a href="#">Well Location Map (2005)</a> <a href="#">Map Legend</a> <a href="#">Well Construction Details</a>	Zone 7 Zone 7 Toxicchem (12/16/05)	None	None	

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to fill data gap	Comments
	<p>attempt to confirm the location of "water supply" and "other" wells identified on the 2005 Zone 7 Well Location Map. Delta was unable to locate any of the wells identified on the 2005 Zone 7 Well Location Map. The wells are considered destroyed.</p> <p><u>Utility Survey</u> - A previous consultant identified sewer, water, storm drain, telephone, and electric lines in the site area. A site utility map is attached. Trenches for the sewer, storm drain and petroleum pipelines are approximately 3' bgs beneath the site. Trenches for the other utilities are approx. 3 to 11 feet bgs. Depth to shallowest groundwater beneath the site is approximately 7 feet bg.</p> <p>A grab groundwater sample was collected from Boring GP-4 located adjacent to the water main crossing the southern portion of the site. Depth to groundwater was approximately 10 feet bg. MTBE was detected in the groundwater sample at 28 ug/l. TBA was &lt;2.0 ug/l</p> <p><u>Analysis</u> - There are no water supply wells within ½-mile of the site that could act as vertical conduits. Deeper utility trenches have the potential to act as horizontal conduits. The dissolved plume appears to be concentrated beneath the central portion of the site. Site data (Boring GP-4) does not indicate that contaminant migration is being affected by utility trenches.</p>		<p><a href="#">Site Utility Map (Delta)</a></p>				
	<p><b>Nearby Release Sites</b>  <u>Chevron, 5280 Hopyard Road, Pleasanton, California</u>  Geotracker identifies an operating Chevron service station located across Hopyard Road from Shell site. The Chevron station appears to be cross gradient of the Shell site. Depth to groundwater beneath the Chevron station is &lt;10 feet bg. The predominant groundwater flow direction is to the north (see rose diagram on site map). The predominant groundwater flow direction beneath the Shell site has been to the northeast. The maximum concentration of MTBE detected in samples collected on 3/11/05 was 56 ug/l.</p>		<p><a href="#">Site map (Cambria), groundwater and analytical data, DTW data from Geotracker</a></p>	<p>Geotracker</p>	<p>None</p>	<p>None</p>	

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to fill data gap	Comments
Site Setting	<p><b>Site Geology</b> The site and property north of the site are underlain predominantly by clay and silt to a depth of greater than 80 feet bg, based on soil borings and three cone penetrometer test borings. Delta has been unable to locate the boring logs for Wells S-2 through S-5 in Shell and previous consultant files. All other boring logs are attached. Sand and silty sand were encountered in CPT-1 from 48 feet to 52 feet and from 76 feet to 78 feet bg. Sand and silty sand were encountered in CPT-2 from 36 feet to 43 feet bg. Sand layers were not encountered in CPT-3 to a depth of 83 feet bg. Two site geologic cross sections are provided.</p> <p>Delta's field procedures for collection of soil and groundwater samples are provided (<a href="#">Field Methods</a>).</p>	<a href="#">Boring and Well Location Map</a>	<a href="#">Boring logs for Well S-1 and Wells S-6, S-7, and S-8</a>  <a href="#">Boring logs for Borings GP-1</a> <a href="#">GP-2</a> <a href="#">GP-3</a> <a href="#">GP-4</a> <a href="#">GP-5</a>  <a href="#">Boring logs for CPT-01, CPT-2, and CPT-3</a>  <a href="#">Geologic Cross Sections</a>	Pacific Environmental Group, Inc. (1/5/88)  GeoStrategies, Inc. (1989)  Delta (2005)  Delta (2005)	None	None	
	<p><b>Groundwater Conditions</b> Groundwater was first encountered in site borings in clay soils at a depth of 15 to 20 feet bg. Water levels in borings typically stabilized at a depth of 7 to 10 feet bg.</p> <p>Five groundwater monitoring wells (S-1 through S-5) have been installed on site. Well construction data is provided on the attached table. Depth to water was most recently measured in the wells on May 5 and August 5, 2005. Depth to groundwater in wells ranged from approximately 8 to 11 feet below top of casing. Three wells (S-6 through S-8) have been installed off-site. Depth to groundwater in these wells is currently 7 to 9 feet.</p> <p>Groundwater was first encountered in the five direct push borings (GP-1 through GP-2) at a depth of approximately 15 to 20 feet bg. Groundwater was encountered in clay soils. The water levels in borings stabilized at approximately 7 to 16 feet bg.</p> <p>The groundwater flow direction in the first groundwater encountered beneath the site has been variable. A rose diagram of historic flow directions is provided on the attached groundwater contour maps. The primary flow direction has been to the west. Recently, the groundwater flow has been inward toward Well S-1.</p> <p>The shallow groundwater monitored by site wells was not encountered in off-site borings CPT-2 and CPT-3. Groundwater was found in deeper thin sand layers. Boring CPT-1, drilled to a total depth of 80 feet, encountered groundwater within clay at 25 feet bg and in thin sand layers at depths of approximately 50 and 75 feet bg. CPT-2 encountered an approximately 7-foot thick sand layer at a depth of 36 to 43 feet bg. Groundwater samples were easily obtained from these sand layers. No sand layers were identified in boring CPT-3 but water was collected easily from a silty layer at 44 feet bg.</p>	<a href="#">MW Construction Details</a>  <a href="#">Groundwater Elevation data, 3Q05</a>  <a href="#">Summary Table of GP- and CPT- Groundwater Analytical Data</a>	Groundwater Elevation Contour Maps <a href="#">May 5</a> and <a href="#">August 5, 2005</a>	Delta (July 2005)  Blaine Tech Services	Primary groundwater flow direction	Perform quarterly groundwater monitoring.	
	<p><b>Source Area</b> Toxichem in September 2004, performed soil sampling and analyses associated with dispenser and product piping upgrades. During piping removal, the contractor ruptured a drained product line causing a</p>	<a href="#">Toxichem report dated December 16,</a>	<a href="#">Toxichem soil sampling location maps. Laboratory analytical report (a)</a> <a href="#">Laboratory analytical report (b)</a>	Toxichem 12/16/04	None	None	

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to fill data gap	Comments
	<p>small unexpected release of free product that was remaining in the pipe. Upon inspection, free product was observed locally within the remaining pea gravel in the piping trench at a depth of approximately 3.5 feet bg. The free product was observed in the area of soil sample DSV-14 (see map in Toxicchem report).</p> <p>On September 30, 2004, the piping trench where free product observed was over-excavated to a depth ranging from 4 to 10 feet bg. The confirmation soil sample from a depth of 7 feet contained TPH-G (5.6 mg/kg), benzene (0.888 mg/kg), MTBE (0.20 mg/kg), and 0.22 mg/kg TBA (0.22 mg/kg). An Unauthorized Release report was submitted by Shell to the Livermore-Pleasanton Fire Department (URR). MTBE was detected in other soil samples from beneath product piping at concentrations ranging from 0.17 to 0.0087 mg/kg.</p> <p>In August 2005, Delta advanced five direct push borings in the dispenser and piping areas (GP-1 through GP-5). Borings were advanced to a depth of 22 feet bg. TPH-G was limited to soil samples from boring GP-1 (290 to 660 mg/kg). MTBE and TBA were detected primarily in soil samples from GP-2 and GP-3. Soil analytical tables are attached.</p>	<p><a href="#">2005</a></p> <p><a href="#">Summary of Soil Analytical Data (GP- and CPT- borings)</a></p> <p><a href="#">Soil Lab Analytical Reports</a></p>		Delta (July 2005)			
	<p><b>Dissolved plume</b> A small plume of dissolved petroleum hydrocarbons, MTBE, and TBA appears to be located beneath the central portion of the site. The lateral extent of the plume appears to be defined except to the north of the site. Two TPH-G, benzene, and MTBE concentration maps from May 5 and August 5, 2005 are attached.</p> <p>The highest concentrations of TPH-G were detected in a grab groundwater sample from Boring GP-1 (38,000 ug/l) and in a groundwater sample from Well S-1 (5,000 ug/l). The highest concentrations of MTBE were detected in the grab groundwater sample from Boring GP-2 (35 ug/l) and in a groundwater sample from Well S-2 (280 ug/l).</p> <p>The clay deposits appear to inhibit the downward migration of MTBE and TBA. Groundwater samples were collected from CPT-2 and CPT-3 at 43 and 46 feet bg. The two water samples were non-detect for all petroleum hydrocarbons, MTBE, and TBA. Groundwater samples from CPT-1 were collected at 25, 52, and 78 feet bg. MTBE was detected in the 25-foot sample at 10 ug/l. MTBE was the only parameter detected in the sample. Petroleum hydrocarbons, MTBE, and TBA were below the laboratory reporting limit in the water samples from 52 and 78 feet bg.</p> <p>Two geoprobe borings (GP-6 and GP-7) were advanced north of the site to collect groundwater samples from the 25 foot level. See site map for locations and boring logs for lithology. A grab water sample was collected at 22 feet in GP-6 and at 26 feet in GP-7. Samples were analyzed for TPH-G, BTEX compounds, MTBE and TBA. The groundwater sample from GP-6 contained GRO (Gasoline Range Organics) at a concentration of 78 ug/l and MTBE at a concentration of 73 ug/l. No other analytes were detected in GP-6 and no analytes were detected in the sample from GP-7.</p>	<p><a href="#">Summary of Groundwater Analytical Data (GP- and CPT- borings)</a></p> <p><a href="#">Lab report dated 8/30/05</a></p> <p><a href="#">Lab report dated 9/19/05</a></p> <p><a href="#">Lab report dated 3/6/06</a></p>	<p><a href="#">Map of TPH-G, benzene, and MTBE Concentrations in Groundwater May 5, 2005 August 5, 2005</a></p> <p><a href="#">Boring Logs for Borings GP-6 GP-7</a></p> <p><a href="#">Site Map</a></p>	Delta (July 2005)	<p>Plume stabilization</p> <p>MTBE concentration off site, in first groundwater east of the site.</p>	<p>Perform quarterly groundwater monitoring.</p> <p>Install a monitoring wells east of the site (S-9)</p>	

	DESCRIPTION	Data Tables	Graphics	Reference	Data Gaps	Work Necessary to fill data gap	Comments
	<p><b>Remediation</b></p> <p>A total of approximately 75 cubic yards of petroleum hydrocarbon impacted soil was removed from the piping trench with observed free product. Impacted soil was transported off site for disposal at a Forward Landfill in Manteca, California.</p> <p>A total of approximately 33,749 gallons of groundwater was removed the UST tank pit. The water was disposed of at the Shell refinery located in Martinez, California.</p> <p>Extraction well EW-1 was installed in order to reduce the mass of dissolved petroleum hydrocarbons remaining near the boring location of GP-1. Extraction will be initiated from Wells EW-1 and S-1 to reduce the mass of dissolved petroleum hydrocarbons remaining beneath the central portion of the site. Groundwater discharge samples will be collected and analyzed twice a week in order to monitor the effect of pumping on petroleum hydrocarbon concentrations.</p>		<p><a href="#">Boring Log for extraction well EW-1</a></p>	Toxichem (12/16/04)	<p>Need interim groundwater remediation to reduce TPH-G concentrations in the area of Well S-1.</p> <p>Extraction rates for well EW-1 and S-1</p>	<p>Recommend interim remediation, possibly batch extraction using Well S-1.</p> <p>Step drawdown test on both wells</p>	
	<p><b>Evaluation of potential impacts to water supply wells</b></p> <p>The potential for shallow groundwater containing MTBE and TBA to impact a water supply well appears to be low since there are no known groundwater supply wells within ½-mile of the site. Migration of groundwater through the primarily clay deposits appears to be slow. Off-site migration appears to be limited. Site data indicates that clay and silt deposits underlying shallow groundwater have prevented the vertical migration of MTBE and TBA.</p>		<p><a href="#">Zone 7 Well Location Aerial Photograph</a></p>	Zone 7		None	Site outside of well capture zone.

Abbreviations

DWR = California Department of Water Resources

Zone 7 = Zone 7 Water District

MTBE = methyl tert-butyl ether

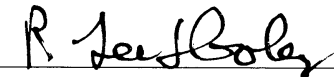
TBA = tert-butanol

bg = below grade

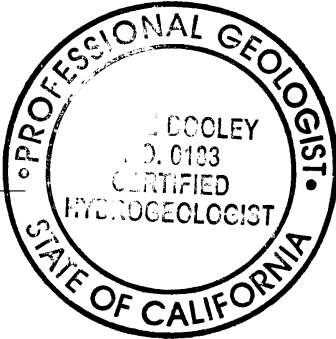
ug/l = micrograms per liter

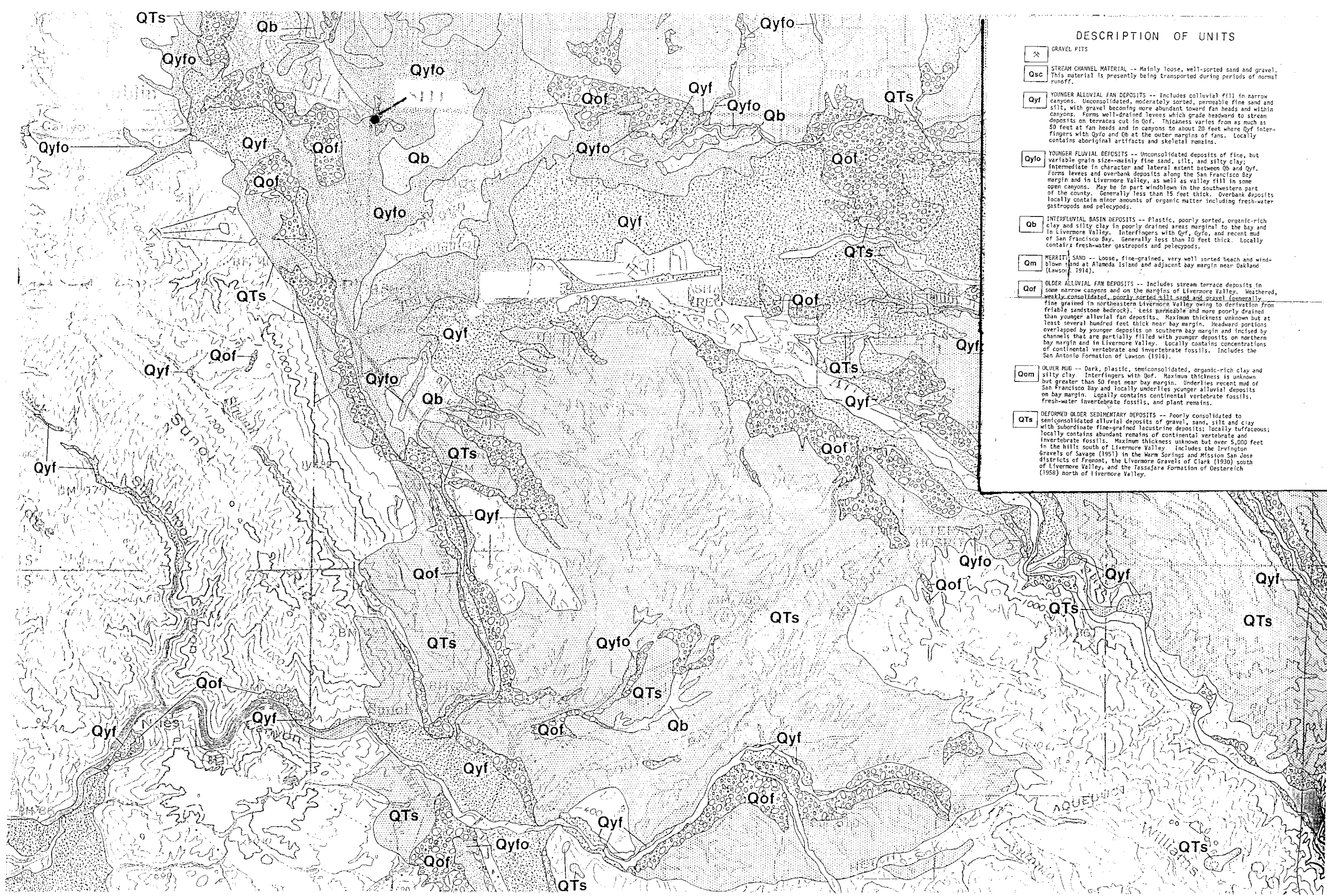
The material and data in this report were prepared under the supervision and direction of the undersigned California Certified Hydrogeologist CHG 183.

**Delta Environmental Consultants, Inc.**



R. Lee Dooley  
Project Manager, CHG 183



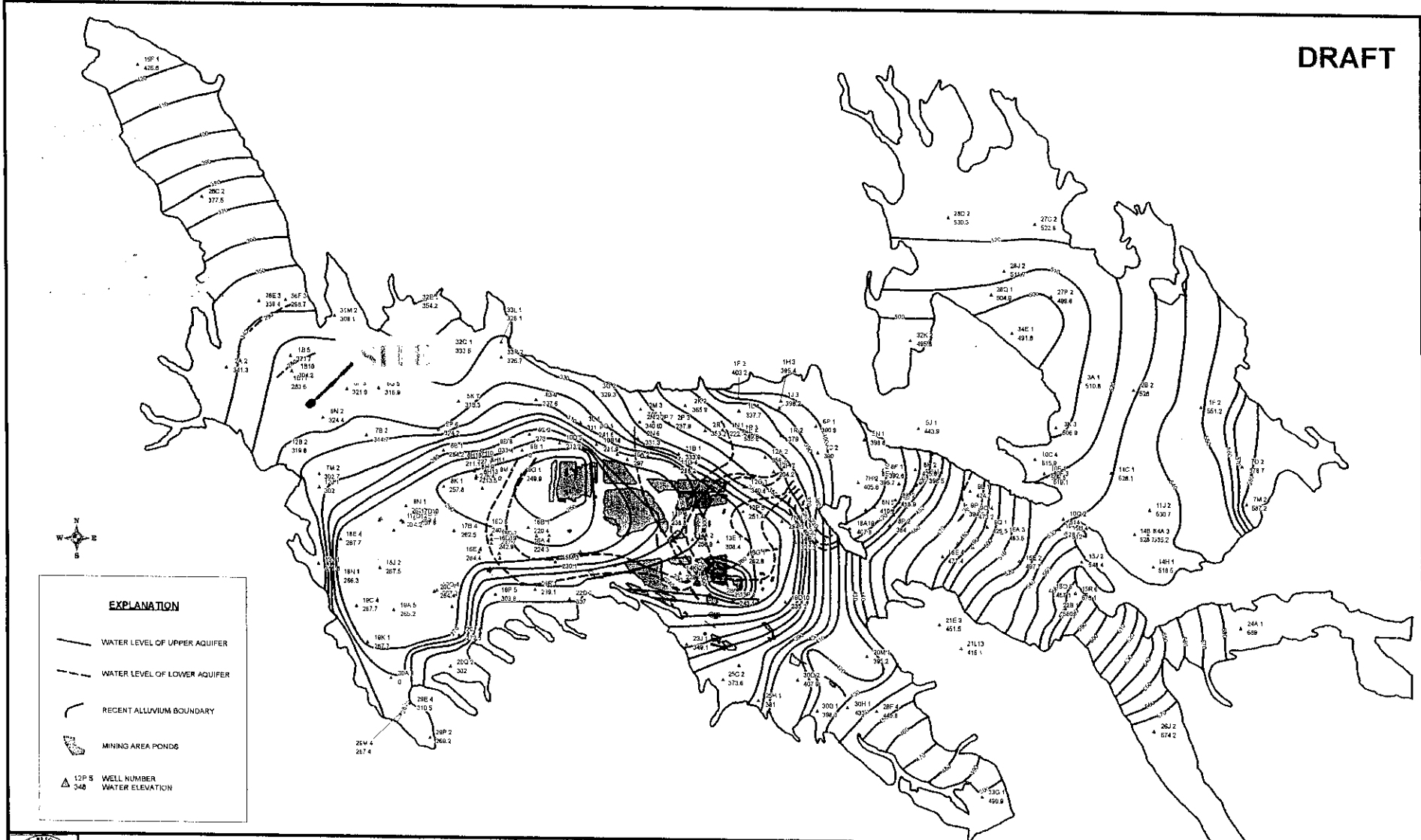


DESCRIPTION OF UNITS

- GRAVEL FITS
- Qsc STREAM CHANNEL MATERIAL -- Mainly loose, well-sorted sand and gravel. This material is presently being transported during periods of normal runoff.
- Qyf YOUNGER ALLUVIAL FAN DEPOSITS -- Includes colluvial fill in narrow canyons. Unconsolidated, moderately sorted, permeable fine sand and silt, with gravel becoming more abundant toward fan heads and within canyons. Forms well-drained levees which grade headward to stream deposits on terraces cut in Qof. Thickness varies from as much as 50 feet at fan heads and in canyons to about 20 feet where Qyf inter-fingers with Qyfo and Qb at the outer margins of fans. Locally contains aboriginal artifacts and skeletal remains.
- Qyfo YOUNGER FLUVIAL DEPOSITS -- Unconsolidated deposits of fine, but variable grain size--mainly fine sand, silt, and silty clay; intermediate in character and lateral extent between Qb and Qyf. Forms levees and overbank deposits along the San Francisco Bay margin and in Livermore Valley, as well as valley fill in some open canyons. May be in part windblown in the southwestern part of the county. Generally less than 15 feet thick. Overbank deposits locally contain minor amounts of organic matter including fresh-water gastropods and pelecypods.
- Qb INTERFLUVIAL BASIN DEPOSITS -- Plastic, poorly sorted, organic-rich clay and silty clay in poorly drained areas marginal to the bay and in Livermore Valley. Interfingers with Qyf, Qyfo, and recent mud of San Francisco Bay. Generally less than 10 feet thick. Locally contains fresh-water gastropods and pelecypods.
- Qm MERRITT'S SAND -- Loose, fine-grained, very well sorted beach and wind-blown sand at Alameda island and adjacent bay margin near Oakland (Lawson, 1914).
- Qof OLDER ALLUVIAL FAN DEPOSITS -- Includes stream terrace deposits in some narrow canyons and on the margins of Livermore Valley. Weathered, weakly consolidated, poorly sorted silt sand and gravel (generally fine grained in northeastern Livermore Valley owing to derivation from friable sandstone bedrock). Less permeable and more poorly drained than younger alluvial fan deposits. Maximum thickness unknown but at least several hundred feet thick near bay margin. Headward portions overlapped by younger deposits on southern bay margin and incised by channels that are partially filled with younger deposits on northern bay margin and in Livermore Valley. Locally contains concentrations of continental vertebrate and invertebrate fossils. Includes the San Antonio Formation of Lawson (1914).
- Qom OLDER MUD -- Dark, plastic, semiconsolidated, organic-rich clay and silty clay. Interfingers with Qof. Maximum thickness is unknown but greater than 50 feet near bay margin. Underlies recent mud of San Francisco Bay and locally underlies younger alluvial deposits on bay margin. Locally contains continental vertebrate fossils, fresh-water invertebrate fossils, and plant remains.
- QTs DEFORMED OLDER SEDIMENTARY DEPOSITS -- Poorly consolidated to semiconsolidated alluvial deposits of gravel, sand, silt and clay with subordinate fine-grained lacustrine deposits; locally tuffaceous; locally contains abundant remains of continental vertebrate and invertebrate fossils. Maximum thickness unknown but over 5,000 feet in the hills south of Livermore Valley. Includes the Irvington Gravels of Savage (1951) in the Warm Springs and Mission San Jose districts of Fremont, the Livermore Gravels of Clark (1930) south of Livermore Valley, and the Tassajara Formation of Oestereich (1958) north of Livermore Valley.



DRAFT



EXPLANATION	
	WATER LEVEL OF UPPER AQUIFER
	WATER LEVEL OF LOWER AQUIFER
	RECENT ALLUVIUM BOUNDARY
	MINING AREA PONDS
	WELL NUMBER
	WATER ELEVATION

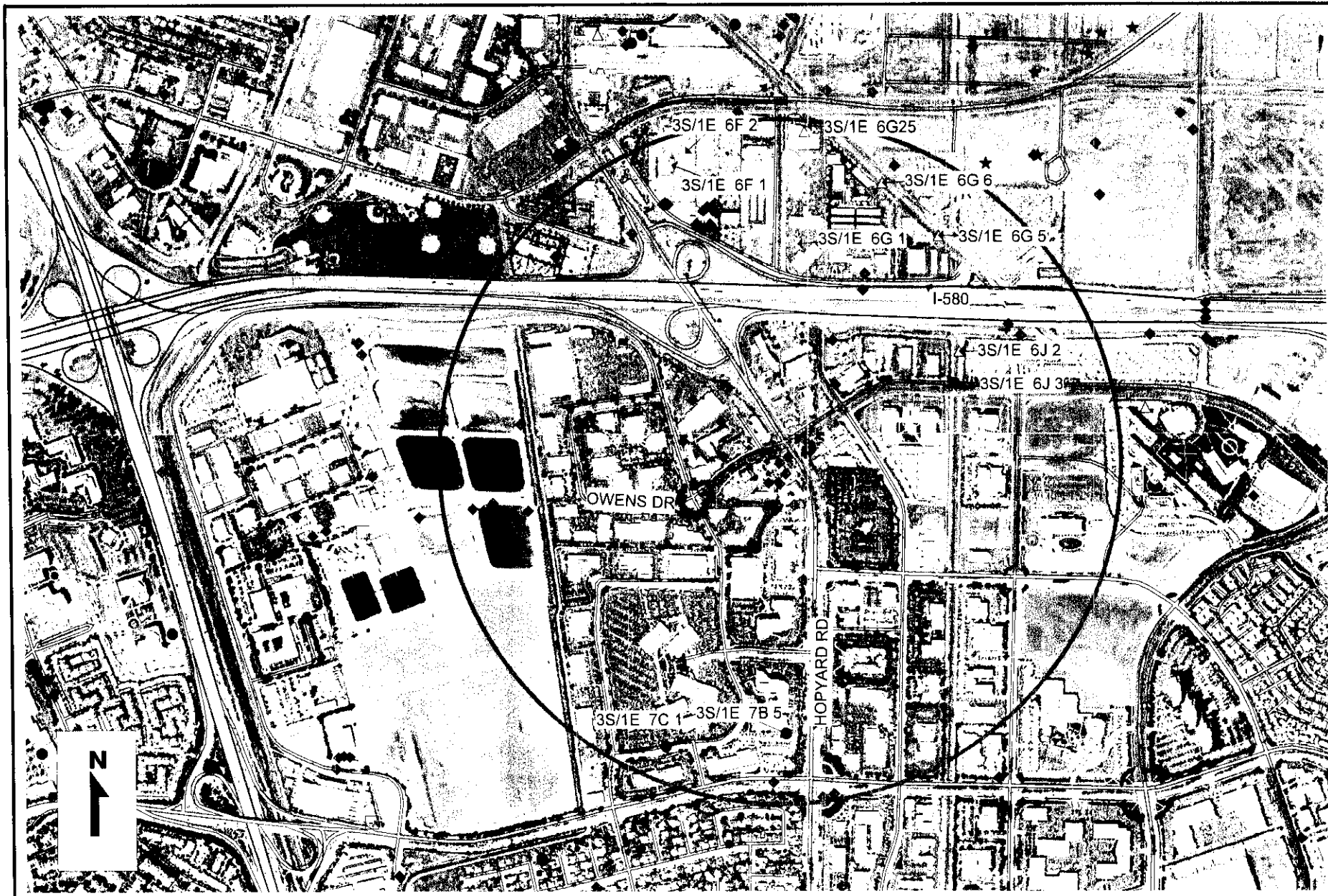


**ZONE 7 WATER AGENCY**  
 5997 PARKSIDE DRIVE, PLEASANTON CA 94588

DRAWN BY: GERALD GATES  
 DESIGNED BY: G.GATES/D.LUNN  
 CHECKED BY:  
 APPROVED BY:

WATER RESOURCES ENGINEERING  
**FALL GROUNDWATER CONTOUR MAP**  
 2001 WATER YEAR

SCALE: 1" = 6000'  
 DATE: 5 February 2002  
 FILE NO.: E:\MONITOR\GM2001\WY01\F01.WDR



**ZONE 7 WATER AGENCY**  
 100 NORTH CANYONS PARKWAY  
 LIVERMORE, CA 94551

**WELL LOCATION MAP**

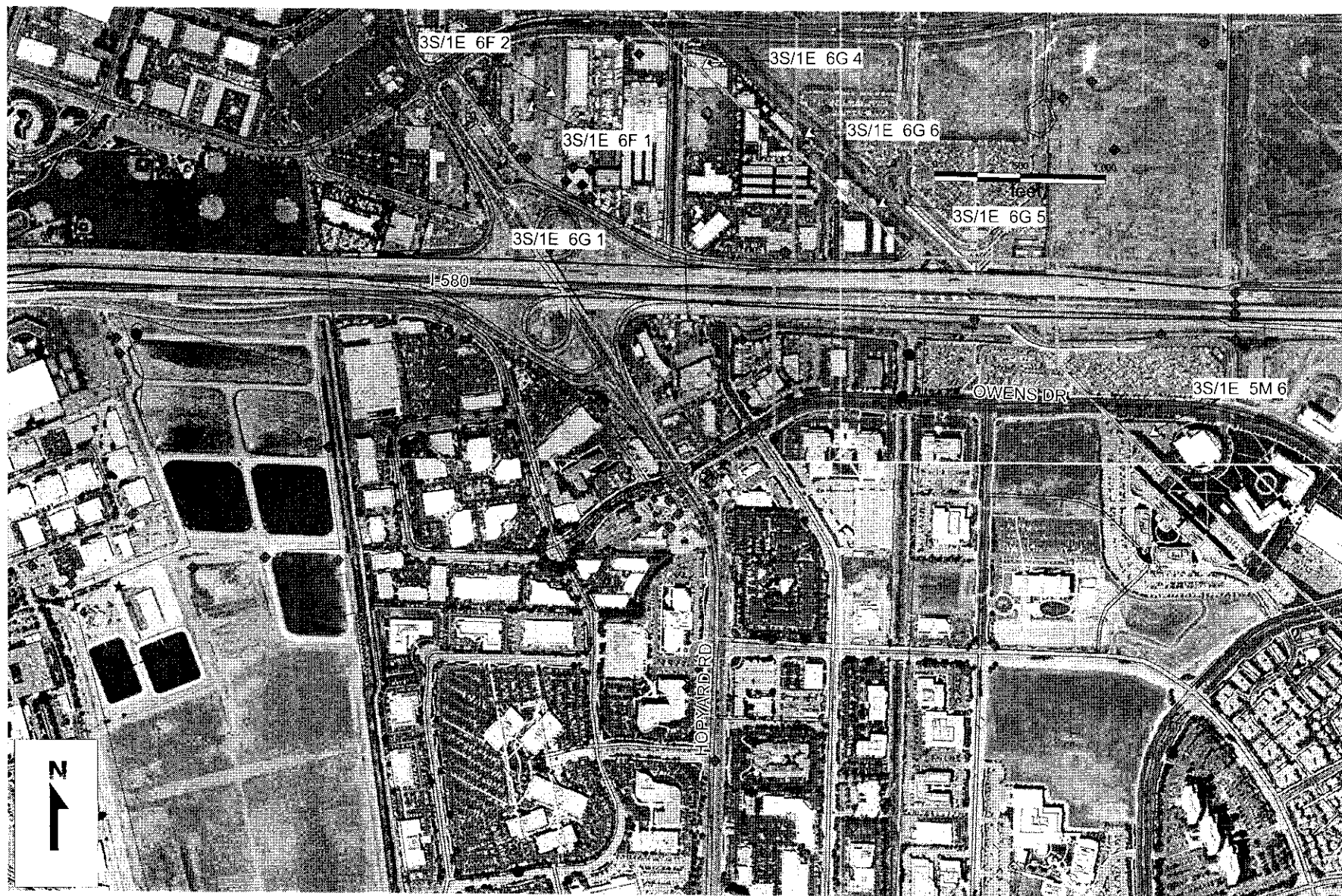
SCALE: 1"= 1000'

RADIUS = 1/2 mi

5251 HOPYARD RD  
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## WELLGEOG MAP LEGEND

- △ **Supply Well**  
**Destroyed Supply Well**
- ◆ **Monitoring Well**  
**Destroyed Monitoring Well**
- **Other Designated Well**  
**Destroyed Other Designated Well**
- ▽ **Injection Well**  
**Destroyed Injection Well**  
**Abandoned or Unlocatable Well**
- ☆ **Unknown Use or Undesignated Well**  
**Destroyed Unknown Use or Undesignated Well**
- **Borehole**
- **Stream Gaging Station**  
**Climatological Station**  
**Septic Tank Permit**



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

**WELL LOCATION MAP**

SCALE: 1"= 800 ft

DATE: 5/17/04

Hoyard Rd & Owens Dr

\\zone7-mw\MapInfo\FLOOD\REFERRALS\REFERRALS.WOR

Table 1  
**Well Location Details**  
 Shell-branded Service Station  
 5251 Hopyard Road, Pleasanton

Map Number	Well Number	Source of Information	Well Location	Approximate Distance and Direction from Site (Feet)	Total Depth ft.	Date Installed	Use
6F1	3S/1E - 6F1	Zone 7	See Map	2,400'NNW	NA	NA	Water Well
6F2	3S/1E - 6F2	Zone 7	See Map	2,400'NNW	NA	NA	Water Well
G1	3S/1E - 6G1	Zone 7	See Map	1,550'N	NA	NA	Abandoned Water Well
G4	3S/1E - 6G4	DWR/Zone 7	See Map	2,500'N	192	NA	Water Well
G5	3S/1E - 6G5	DWR/Zone 7	See Map	2,000'NE	200	1969	Water Well
G6	3S/1E - 6G6	Zone 7	See Map	2,200'NNE	NA	NA	Water Well
Q2	3S/1E - 6Q2	Zone 7	See Map	100-300'W	NA	Recorded 1959	Destroyed Irrigation Well

NA = Information Not Available

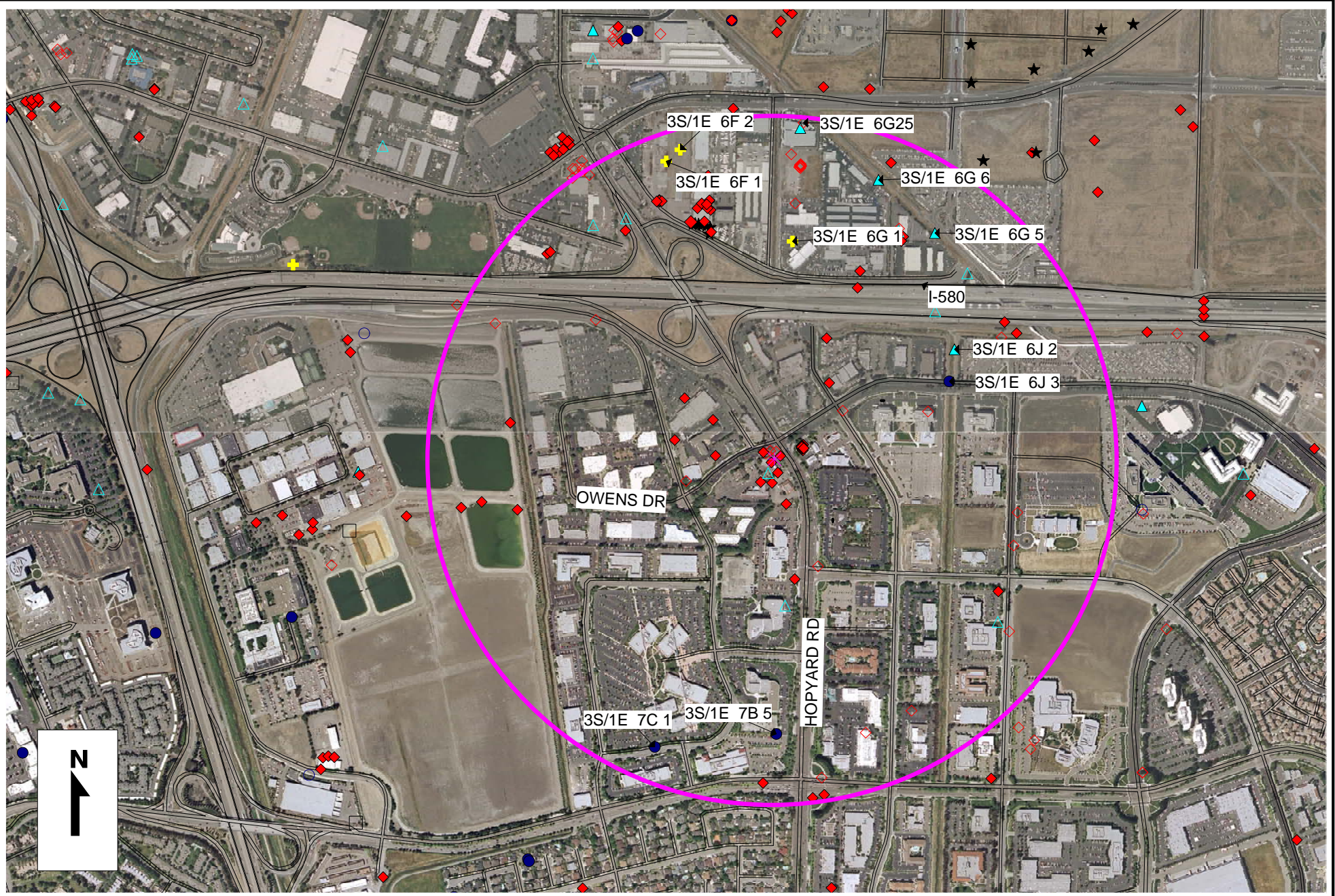
Table 2  
**Well Construction Details**  
 Shell-branded Service Station  
 5251 Hopyard Road, Pleasanton

Map Number	Total Depth	Depth to Water (ft. bgs)	Casing Type	Casing Diameter (in.)	Screen Interval (ft. bgs)	Gravel Pack Interval (ft. bgs)	Annular Seal Depth (ft. bgs)	Annular Seal Material	Well Construction Method	Driller's log Number	Pumping Test Rate (gpm)	Test Duration (hours)
F1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G4	192	33-72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G5	200	85	NA	NA	103-106 and 173-178	NA	NA	NA	NA	13095	70	NA
G6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA = Information Not Available

ft. bgs = Feet below ground surface

gpm = Gallons per minute



**ZONE 7 WATER AGENCY**  
**100 NORTH CANYONS PARKWAY**  
**LIVERMORE, CA 94551**



**WELL LOCATION MAP**

**SCALE: 1" = 1000'**

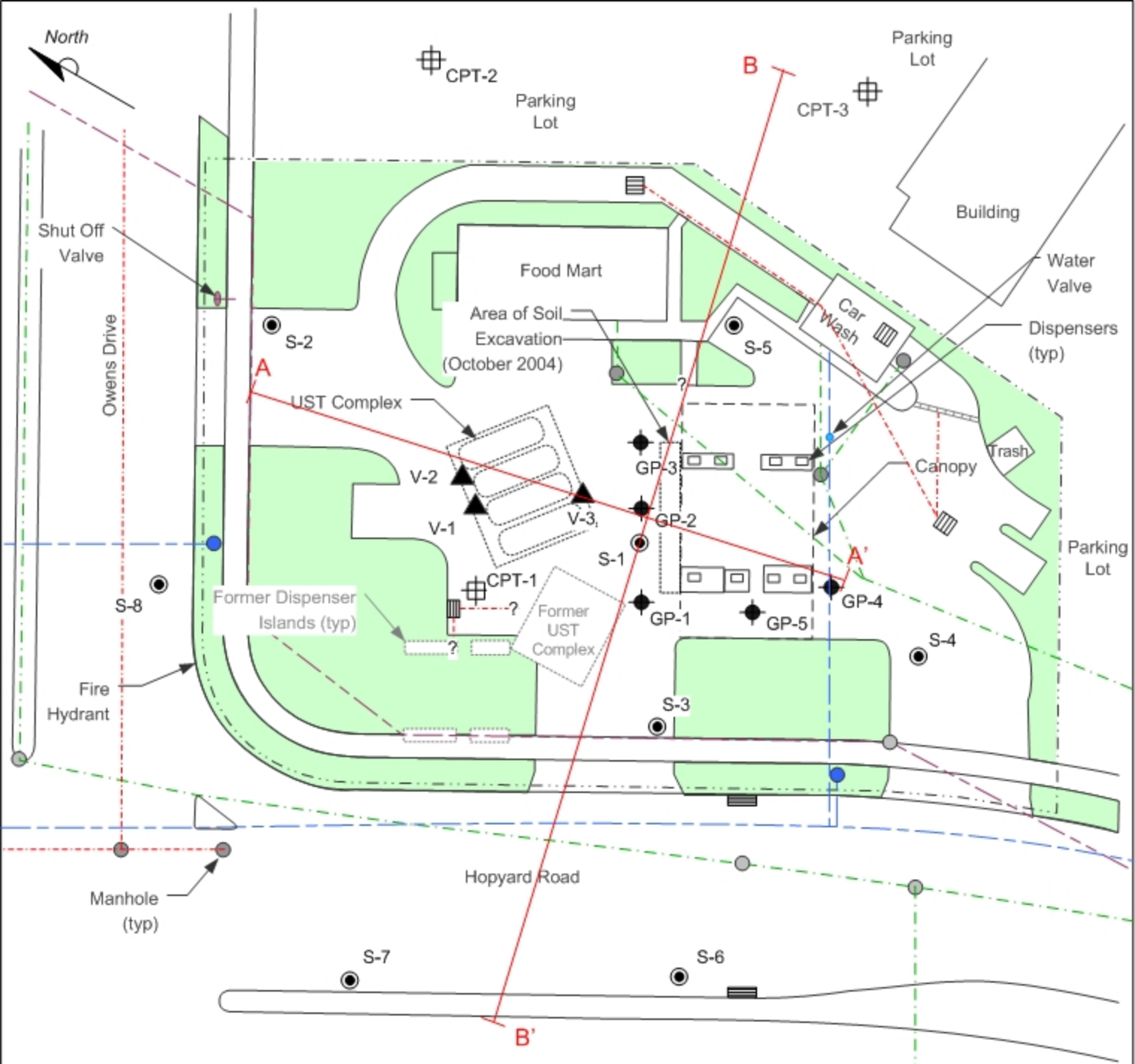
**RADIUS = 1/2 mi**

**5251 HOPYARD RD**  
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## WELLGEOG MAP LEGEND

-  **Supply Well**
-  **Destroyed Supply Well**
-  **Monitoring Well**
-  **Destroyed Monitoring Well**
-  **Other Designated Well**
-  **Destroyed Other Designated Well**
-  **Injection Well**
-  **Destroyed Injection Well**
-  **Abandoned or Unlocatable Well**
-  **Unknown Use or Undesignated Well**
-  **Destroyed Unknown Use or Undesignated Well**
-  **Borehole**
-  **Stream Gaging Station**
-  **Climatological Station**
-  **Septic Tank Permit**





**LEGEND**

- S-1 ● **GROUNDWATER MONITORING WELL**
- V-3 ▲ **SOIL VAPOR EXTRACTION WELL**
- GP-2 ● **SOIL BORING**
- CPT-1 ⊕ **CPT BORING AND SAMPLING LOCATION**
- **ZONE 7 PIPE**
- **WATER MAIN**
- **SEWER MAIN**
- **STORM DRAIN**

**SITE AND UTILITY MAP**  
**SHELL-BRANDED SERVICE STATION**  
 5251 Hopyard Road  
 Pleasanton, California

PROJECT NO. SJ52-51H-1.2005	DRAWN BY JL 09/23/05
FILE NO. SJ52-51H-1.2005	PREPARED BY JL
REVISION NO.	REVIEWED BY



**LEAKING UNDERGROUND FUEL TANK REPORT****CHEVRON (PLEASANTON)**

5280 HOPYARD RD  
PLEASANTON, CA 94566

**CASE STATUS:** OPEN

SHOW THIS SITE ON MAP

RETURN TO REPORT MAIN MENU

**REGIONAL BOARD - CASE #: 01-0376**SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)****CONTACT:** BETTY GRAHAM - (510) 622-2300**LOCAL AGENCY (LEAD AGENCY) - CASE #: 1674**ALAMEDA COUNTY LOP - **(AG)****CHOOSE A REPORT TO VIEW****SITE INFO:**

- REGULATORY HISTORY
- LOCATIONAL INFORMATION
- ANALYTICAL DATA
- ELECTRONIC ANALYTICAL DATA
- DEPTH TO WATER INFORMATION
- RISK MANAGEMENT
- LAND USE CONTROLS

**LEAK INFO:**

- DETAILED RELEASE INFORMATION
- REMEDIATION ON SITE

**ADDITIONAL INFO:**

- 8 FIELD POINTS FOR THIS LUFT SITE
- 0 PUBLIC WATER WELL(S) ESTIMATED TO BE NEARBY THIS LUFT SITE

**ELECTRONIC SUBMITTALS:**

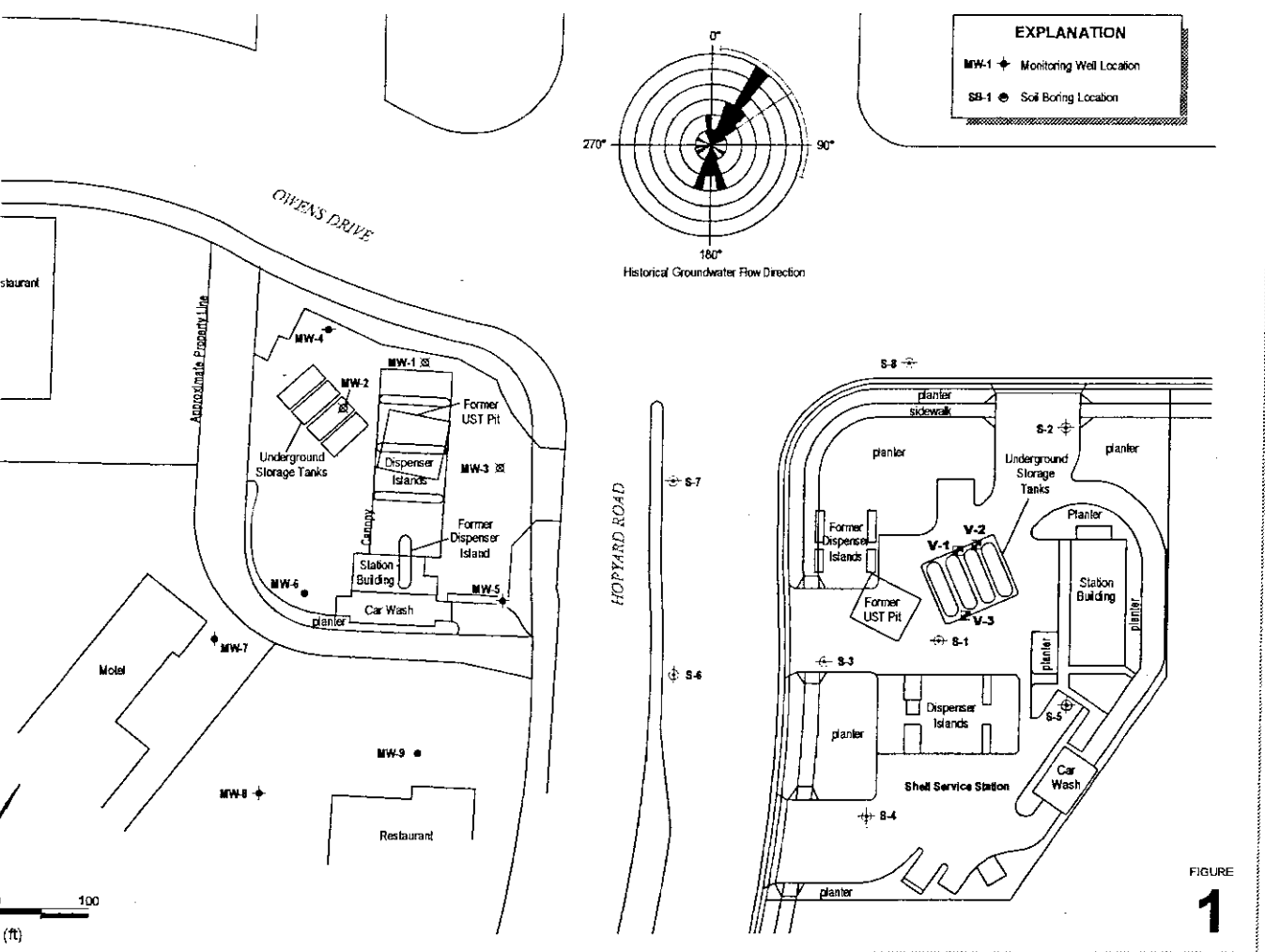
- ANALYTICAL DATA
- LOCATION DATA (NONE AVAILABLE)
- ELEVATION DATA (NONE AVAILABLE)
- DEPTH TO WATER DATA
- GEO MAP DATA
- GEO REPORT DATA (NONE AVAILABLE)
- GEO BORE DATA (NONE AVAILABLE)
- SITE DOCUMENTS (NONE AVAILABLE)

**CUF REIMBURSEMENT AMOUNT:**

\$99,041

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5401.03



Site Plan

C A M B R I A

Chevron Service Station 9-0917  
5280 Hopyard Road  
Pleasanton, California

FIGURE 1

**LUFT ANALYTICAL DATA REPORT****CHEVRON (PLEASANTON)**5280 HOPYARD RD  
PLEASANTON, CA 94566**CASE STATUS:** OPEN

SHOW THIS SITE ON MAP

RETURN TO REPORT MAIN MENU

**REGIONAL BOARD - CASE #: 01-0376**

SAN FRANCISCO BAY RWQCB (REGION 2) - (BG)

**CONTACT:** BETTY GRAHAM - (510) 622-2300**LOCAL AGENCY (LEAD AGENCY) - CASE #: 1674**

ALAMEDA COUNTY LOP - (AG)

Plot Selected Chemicals

Reset Boxes

Note: You may select up to 6 chemicals.

(All Data) | (Most Recent) | (Maximum Concentrations)

NAME	DATE	PARAMETER	MATRIX	QUALIFIER	RESULT	UNITS
MW-4	3/11/2005	4-BROMOFLUOROBENZENE	W	SU	88	PERCENT
MW-4	3/11/2005	BENZENE	W	ND	0	UG/L
MW-4	3/11/2005	TOLUENE	W	ND	0	UG/L
MW-4	3/11/2005	TOLUENE-D8	W	SU	91	PERCENT
MW-4	3/11/2005	DIBROMOFLUOROMETHANE	W	SU	95	PERCENT
MW-4	3/11/2005	1,2-DICHLOROETHANE-D4	W	SU	92	PERCENT
MW-4	9/2/2004	DEPTH TO WATER		=	7.39	FEET
MW-4	3/11/2005	DI-ISOPROPYL ETHER (DIPE)	W	ND	0	UG/L
MW-4	3/11/2005	ETHYLBENZENE	W	ND	0	UG/L
MW-4	3/11/2005	ETHYL TERT-BUTYL ETHER (ETBE)	W	ND	0	UG/L
MW-4	3/11/2005	ETHANOL (ETOH)	W	ND	0	UG/L
MW-4	3/11/2005	GASOLINE RANGE ORGANICS	W	ND	0	UG/L
MW-4	3/11/2005	METHYL-TERT-BUTYL ETHER (MTBE)	W	=	0.7	UG/L
MW-4	3/11/2005	TERT-AMYL METHYL ETHER (TAME)	W	ND	0	UG/L
MW-4	3/11/2005	TERT-BUTYL ALCOHOL (TBA)	W	ND	0	UG/L
MW-4	3/11/2005	TRIFLUOROTOLUENE	W	SU	98	PERCENT
MW-4	3/11/2005	XYLENES	W	ND	0	UG/L

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**LUFT ANALYTICAL DATA REPORT****CHEVRON (PLEASANTON)**5280 HOPYARD RD  
PLEASANTON, CA 94566**CASE STATUS:** OPEN

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**REGIONAL BOARD - CASE #: 01-0376**

SAN FRANCISCO BAY RWQCB (REGION 2) - (BG)

**CONTACT:** BETTY GRAHAM - (510) 622-2300**LOCAL AGENCY (LEAD AGENCY) - CASE #: 1674**

ALAMEDA COUNTY LOP - (AG)

Plot Selected Chemicals

Reset Boxes

Note: You may select up to 6 chemicals.

(All Data) | (Most Recent) | (Maximum Concentrations)

NAME	DATE	PARAMETER	MATRIX	QUALIFIER	RESULT	UNITS
MW-5	3/11/2005	4-BROMOFLUOROBENZENE	W	SU	91	PERCENT
MW-5	3/11/2005	BENZENE	W	=	50	UG/L
MW-5	3/11/2005	TOLUENE	W	=	5	UG/L
MW-5	3/11/2005	TOLUENE-D8	W	SU	92	PERCENT
MW-5	3/11/2005	DIBROMOFLUOROMETHANE	W	SU	92	PERCENT
MW-5	3/11/2005	1,2-DICHLOROETHANE-D4	W	SU	88	PERCENT
MW-5	9/2/2004	DEPTH TO WATER		=	7.9	FEET
MW-5	3/11/2005	DI-ISOPROPYL ETHER (DIPE)	W	ND	0	UG/L
MW-5	3/11/2005	ETHYLBENZENE	W	=	810	UG/L
MW-5	3/11/2005	ETHYL TERT-BUTYL ETHER (ETBE)	W	ND	0	UG/L
MW-5	3/11/2005	ETHANOL (ETOH)	W	ND	0	UG/L
MW-5	3/11/2005	GASOLINE RANGE ORGANICS	W	=	11000	UG/L
MW-5	3/11/2005	METHYL-TERT-BUTYL ETHER (MTBE)	W	ND	0	UG/L
MW-5	3/11/2005	TERT-AMYL METHYL ETHER (TAME)	W	ND	0	UG/L
MW-5	3/11/2005	TERT-BUTYL ALCOHOL (TBA)	W	ND	0	UG/L
MW-5	3/11/2005	TRIFLUOROTOLUENE	W	SU	153	PERCENT
MW-5	3/11/2005	XYLENES	W	=	120	UG/L

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**LUFT ANALYTICAL DATA REPORT****CHEVRON (PLEASANTON)**5280 HOPYARD RD  
PLEASANTON, CA 94566**CASE STATUS:** OPEN

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**REGIONAL BOARD - CASE #: 01-0376**

SAN FRANCISCO BAY RWQCB (REGION 2) - (BG)

**CONTACT:** BETTY GRAHAM - (510) 622-2300**LOCAL AGENCY (LEAD AGENCY) - CASE #: 1674**

ALAMEDA COUNTY LOP - (AG)

Plot Selected Chemicals

Reset Boxes

Note: You may select up to 6 chemicals.

(All Data) | (Most Recent) | (Maximum Concentrations)

NAME	DATE	PARAMETER	MATRIX	QUALIFIER	RESULT	UNITS
MW-6	3/11/2005	4-BROMOFLUOROBENZENE	W	SU	90	PERCENT
MW-6	3/11/2005	BENZENE	W	ND	0	UG/L
MW-6	3/11/2005	TOLUENE	W	ND	0	UG/L
MW-6	3/11/2005	TOLUENE-D8	W	SU	92	PERCENT
MW-6	3/11/2005	DIBROMOFLUOROMETHANE	W	SU	93	PERCENT
MW-6	3/11/2005	1,2-DICHLOROETHANE-D4	W	SU	90	PERCENT
MW-6	9/2/2004	DEPTH TO WATER		=	8.69	FEET
MW-6	3/11/2005	DI-ISOPROPYL ETHER (DIPE)	W	ND	0	UG/L
MW-6	3/11/2005	ETHYLBENZENE	W	ND	0	UG/L
MW-6	3/11/2005	ETHYL TERT-BUTYL ETHER (ETBE)	W	ND	0	UG/L
MW-6	3/11/2005	ETHANOL (ETOH)	W	ND	0	UG/L
MW-6	3/11/2005	GASOLINE RANGE ORGANICS	W	=	720	UG/L
MW-6	3/11/2005	METHYL-TERT-BUTYL ETHER (MTBE)	W	=	56	UG/L
MW-6	3/11/2005	TERT-AMYL METHYL ETHER (TAME)	W	=	3	UG/L
MW-6	3/11/2005	TERT-BUTYL ALCOHOL (TBA)	W	ND	0	UG/L
MW-6	3/11/2005	TRIFLUOROTOLUENE	W	SU	104	PERCENT
MW-6	3/11/2005	XYLENES	W	ND	0	UG/L

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**LUFT ANALYTICAL DATA REPORT****CHEVRON (PLEASANTON)**5280 HOPYARD RD  
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**REGIONAL BOARD - CASE #: 01-0376**

SAN FRANCISCO BAY RWQCB (REGION 2) - (BG)

**CONTACT:** BETTY GRAHAM - (510) 622-2300**LOCAL AGENCY (LEAD AGENCY) - CASE #: 1674**

ALAMEDA COUNTY LOP - (AG)

Plot Selected Chemicals

Reset Boxes

Note: You may select up to 6 chemicals.

(All Data) | (Most Recent) | (Maximum Concentrations)

NAME	DATE	PARAMETER	MATRIX	QUALIFIER	RESULT	UNITS
MW-7	3/11/2005	4-BROMOFLUOROBENZENE	W	SU	86	PERCENT
MW-7	3/11/2005	BENZENE	W	ND	0	UG/L
MW-7	3/11/2005	TOLUENE	W	ND	0	UG/L
MW-7	3/11/2005	TOLUENE-D8	W	SU	91	PERCENT
MW-7	3/11/2005	DIBROMOFLUOROMETHANE	W	SU	95	PERCENT
MW-7	3/11/2005	1,2-DICHLOROETHANE-D4	W	SU	90	PERCENT
MW-7	9/2/2004	DEPTH TO WATER		=	7.78	FEET
MW-7	3/11/2005	DI-ISOPROPYL ETHER (DIPE)	W	ND	0	UG/L
MW-7	3/11/2005	ETHYLBENZENE	W	ND	0	UG/L
MW-7	3/11/2005	ETHYL TERT-BUTYL ETHER (ETBE)	W	ND	0	UG/L
MW-7	3/11/2005	ETHANOL (ETOH)	W	ND	0	UG/L
MW-7	3/11/2005	GASOLINE RANGE ORGANICS	W	ND	0	UG/L
MW-7	3/11/2005	METHYL-TERT-BUTYL ETHER (MTBE)	W	=	0.7	UG/L
MW-7	3/11/2005	TERT-AMYL METHYL ETHER (TAME)	W	ND	0	UG/L
MW-7	3/11/2005	TERT-BUTYL ALCOHOL (TBA)	W	ND	0	UG/L
MW-7	3/11/2005	TRIFLUOROTOLUENE	W	SU	97	PERCENT
MW-7	3/11/2005	XYLENES	W	ND	0	UG/L

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**LUFT ANALYTICAL DATA REPORT****CHEVRON (PLEASANTON)**5280 HOPYARD RD  
PLEASANTON, CA 94566**CASE STATUS:** OPEN

SHOW THIS SITE ON MAP

RETURN TO REPORT MAIN MENU

**REGIONAL BOARD - CASE #: 01-0376**SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)****CONTACT:** BETTY GRAHAM - (510) 622-2300**LOCAL AGENCY (LEAD AGENCY) - CASE #: 1674**ALAMEDA COUNTY LOP - **(AG)**

Plot Selected Chemicals

Reset Boxes

Note: You may select up to 6 chemicals.

(All Data) | (Most Recent) | (Maximum Concentrations)

NAME	DATE	PARAMETER	MATRIX	QUALIFIER	RESULT	UNITS
MW-8	3/11/2005	4-BROMOFLUOROBENZENE	W	SU	87	PERCENT
MW-8	3/11/2005	BENZENE	W	ND	0	UG/L
MW-8	3/11/2005	TOLUENE	W	ND	0	UG/L
MW-8	3/11/2005	TOLUENE-D8	W	SU	91	PERCENT
MW-8	3/11/2005	DIBROMOFLUOROMETHANE	W	SU	94	PERCENT
MW-8	3/11/2005	1,2-DICHLOROETHANE-D4	W	SU	90	PERCENT
MW-8	9/2/2004	DEPTH TO WATER		=	7.84	FEET
MW-8	3/11/2005	DI-ISOPROPYL ETHER (DIPE)	W	ND	0	UG/L
MW-8	3/11/2005	ETHYLBENZENE	W	ND	0	UG/L
MW-8	3/11/2005	ETHYL TERT-BUTYL ETHER (ETBE)	W	ND	0	UG/L
MW-8	3/11/2005	ETHANOL (ETOH)	W	ND	0	UG/L
MW-8	3/11/2005	GASOLINE RANGE ORGANICS	W	ND	0	UG/L
MW-8	3/11/2005	METHYL-TERT-BUTYL ETHER (MTBE)	W	ND	0	UG/L
MW-8	3/11/2005	TERT-AMYL METHYL ETHER (TAME)	W	ND	0	UG/L
MW-8	3/11/2005	TERT-BUTYL ALCOHOL (TBA)	W	ND	0	UG/L
MW-8	3/11/2005	TRIFLUOROTOLUENE	W	SU	98	PERCENT
MW-8	3/11/2005	XYLENES	W	ND	0	UG/L

Geotracker Home | Site/Facility Finder | Case Finder | MTBE/Case Reports



**LUFT ANALYTICAL DATA REPORT****CHEVRON (PLEASANTON)**5280 HOPYARD RD  
PLEASANTON, CA 94566**CASE STATUS:** OPEN

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**CONTACT:** BETTY GRAHAM - (510) 622-2300**LOCAL AGENCY (LEAD AGENCY) - CASE #: 1674**

ALAMEDA COUNTY LOP - (AG)

Plot Selected Chemicals

Reset Boxes

Note: You may select up to 6 chemicals.

(All Data) | (Most Recent) | (Maximum Concentrations)

NAME	DATE	PARAMETER	MATRIX	QUALIFIER	RESULT	UNITS
MW-9	3/11/2005	4-BROMOFLUOROBENZENE	W	SU	86	PERCENT
MW-9	3/11/2005	BENZENE	W	ND	0	UG/L
MW-9	3/11/2005	TOLUENE	W	ND	0	UG/L
MW-9	3/11/2005	TOLUENE-D8	W	SU	90	PERCENT
MW-9	3/11/2005	DIBROMOFLUOROMETHANE	W	SU	95	PERCENT
MW-9	3/11/2005	1,2-DICHLOROETHANE-D4	W	SU	90	PERCENT
MW-9	9/2/2004	DEPTH TO WATER		=	7.25	FEET
MW-9	3/11/2005	DI-ISOPROPYL ETHER (DIPE)	W	ND	0	UG/L
MW-9	3/11/2005	ETHYLBENZENE	W	ND	0	UG/L
MW-9	3/11/2005	ETHYL TERT-BUTYL ETHER (ETBE)	W	ND	0	UG/L
MW-9	3/11/2005	ETHANOL (ETOH)	W	ND	0	UG/L
MW-9	3/11/2005	GASOLINE RANGE ORGANICS	W	ND	0	UG/L
MW-9	3/11/2005	METHYL-TERT-BUTYL ETHER (MTBE)	W	ND	0	UG/L
MW-9	3/11/2005	TERT-AMYL METHYL ETHER (TAME)	W	ND	0	UG/L
MW-9	3/11/2005	TERT-BUTYL ALCOHOL (TBA)	W	ND	0	UG/L
MW-9	3/11/2005	TRIFLUOROTOLUENE	W	SU	97	PERCENT
MW-9	3/11/2005	XYLENES	W	ND	0	UG/L

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## **Description of Methods**

Prior to conducting any field work at the site, Delta prepared a site specific Health and Safety Plan (HASP). The Delta field geologist on-site reviewed the HASP with site subcontractors at the start of each work day.

### ***Soil Sampling***

Delta used Geoprobe™ drilling equipment to sample soil and groundwater beneath the site at five locations (GP-1 through GP-5).

Prior to drilling, each borehole location was surveyed by a geophysical locator and marked for underground utilities. Underground Services Alert (USA) were notified of the proposed borings a minimum of 48-hours before Delta began work at the site. Lastly, approximately the upper 7 feet of each borehole was excavated by air vacuum equipment in order to minimize the risk of damaging any unidentified underground utilities. Borings GP-1 through GP-5 were continuously cored from a depth of 7 feet bg to a total depth of approximately 22 feet below grade (bg).

Soil samples for laboratory analysis were collected at approximately 5-foot intervals from the ground surface to the total depth of each boring. A hand-augered sample was collected at 5 feet bg in each boring location during borehole clearance with the air vacuum tools. Discrete soil samples were retained in acetate liners at 5-foot intervals. Samples were capped with Teflon tape and tight fitting end caps, and placed in a cooler with ice for transportation to Severn Trent Laboratories, Inc. (STL) in Pleasanton, California. Samples were analyzed in the field with a photo-ionization detector (PID), and petroleum hydrocarbon concentrations in the soil were recorded on the field logs. The PID soil samples were placed in a sealed plastic bag. After approximately 5-minutes, the PID probe was inserted into the plastic bag and soil gas allowed to pass through the PID until readings stabilized.

### ***Groundwater Sampling: Borings GP-1 through GP-5***

A grab groundwater sample was collected from each boring. Groundwater samples were collected by a stainless steel bailer lowered through the boring rods. The samples were transferred to 40-milliliter glass VOA bottles prepared by the laboratory with hydrochloric acid. Samples were labeled and placed on ice for transportation to the laboratory. Chain of Custody documentation was prepared. The borings were backfilled with grout after completion of sampling.

### ***Sample Analyses***

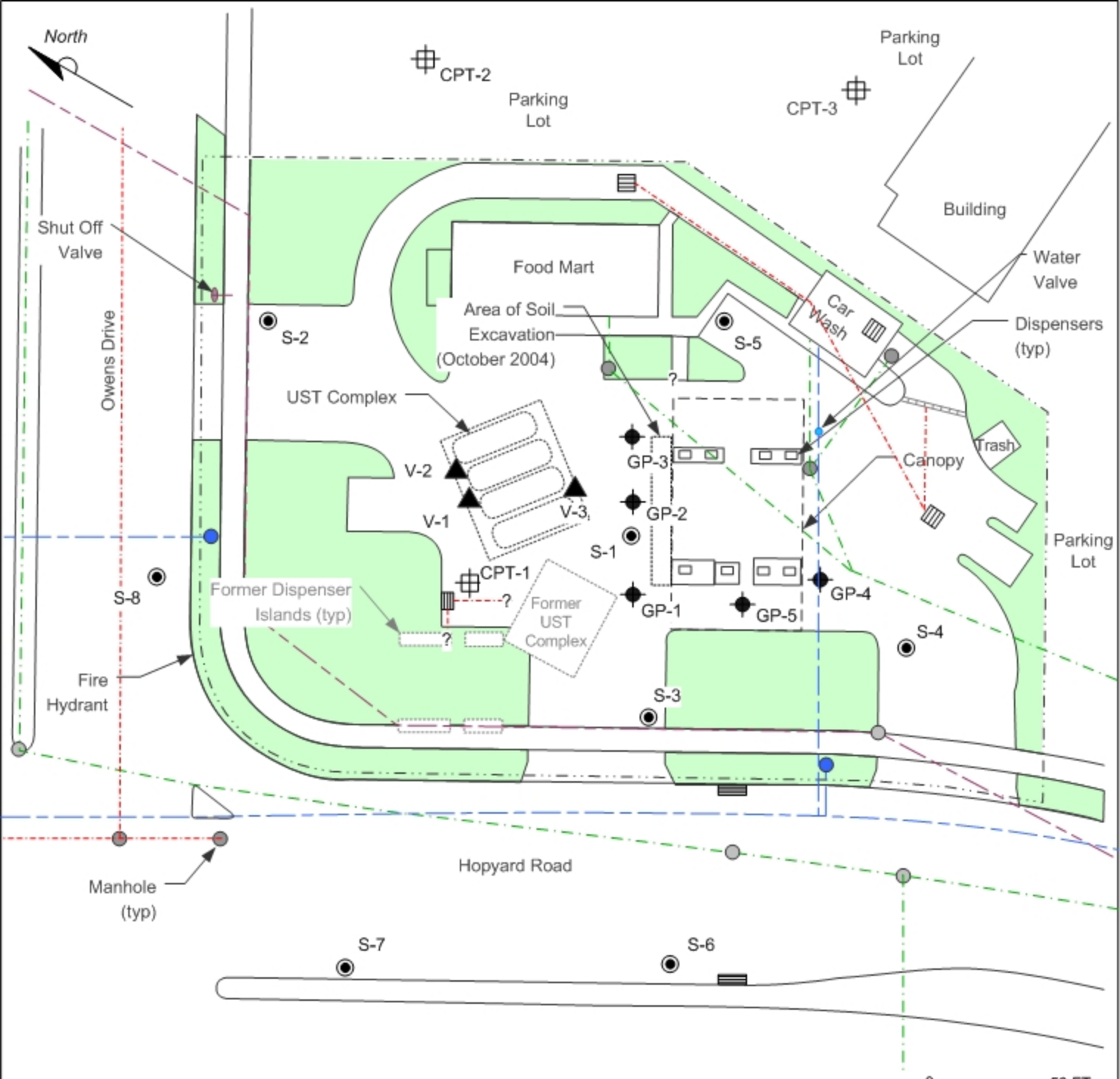
All soil and groundwater samples submitted for laboratory testing were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, total xylenes (BTEX compounds), and the fuel oxygenates, methyl-t-butyl ether (MTBE), tert-amyl methyl ether (TAME), and tert-butanol (TBA) by EPA Method 8260. Groundwater samples from CPT borings were also analyzed for total petroleum hydrocarbons as diesel (TPH-D) by EPA Method 8015.

### ***CPT Borings***

The CPT investigation consisted of two separate boreholes at each location– one for stratigraphic profiling and a second for collecting discrete groundwater samples. The initial boring was advanced to define the underlying soil profile. Soil classifications were based on the cone penetration resistance, sleeve friction, and friction ratio. A soil classification graph was generated during the advancement of the CPT borehole. Immediately after collecting the soil and groundwater samples, each boring was filled to the surface with a Portland cement/bentonite slurry mixture (5% bentonite).

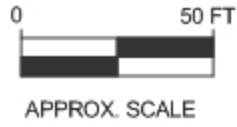
A second CPT borehole was drilled at each location for collection of depth discrete groundwater samples. Limited sand layers throughout the stratigraphic profile were targeted for sampling along with a sample from a depth of approximately 22 feet bg (depth groundwater was initially encountered in borings). A sealed PVC hydropunch screen was pushed to the desired sampling depth. The push rod was then retracted exposing the hydropunch screen. Groundwater moved hydrostatically from the formation into the sampler. A small diameter stainless steel bailer was lowered through the hollow push rods, into the screen section for sample collection. The groundwater samples were transferred to 40-milliliter glass VOA bottles. The bottles will be placed on ice for transportation to the laboratory.

Delta was unable to collect groundwater samples at certain depths due to the predominance of silt and clay in the soil profile. At these depths, the hydropunch screen was allowed left open to the formation for approximately 30 minutes. If no water accumulated in the screen, the depth interval was classified as dry. After completion of sampling, the borehole was backfilled with a Portland cement/bentonite slurry mixture (5% bentonite).



**LEGEND**

- S-1 ● **GROUNDWATER MONITORING WELL**
- V-3 ▲ **SOIL VAPOR EXTRACTION WELL**
- GP-2 ◆ **SOIL BORING**
- CPT-1 ⊕ **CPT BORING AND SAMPLING LOCATION**
- **ZONE 7 PIPE**
- - - **WATER MAIN**
- · - · - **SEWER MAIN**
- · - · - · **STORM DRAIN**



**BORING AND WELL LOCATION MAP**  
**SHELL-BRANDED SERVICE STATION**  
 5251 Hopyard Road  
 Pleasanton, California

PROJECT NO. SJ52-51H-1.2005	DRAWN BY JL 09/28/05
FILE NO. SJ52-51H-1.2005	PREPARED BY JL
REVISION NO.	REVIEWED BY

Delta

Environmental  
Consultants, Inc.

1

# Unified Soil Classification System

Primary Divisions		Group		Typical Names	
		Symbol/Graphic			
COARSE GRAINED SOILS  more than half is larger than #200 sieve	GRAVELS  half of coarse fraction larger than #4 sieve	CLEAN GRAVELS  (less than 5% fines)	GW	Well graded gravels, gravel-sand mixtures; little or no fines	
			GP	Poorly graded gravels or gravel-sand mixtures; little or no fines	
		GRAVEL WITH FINES	GM	Silty gravels, gravel-sand-silt mixtures	
			GC	Clayey gravels, gravel-sand-clay mixtures	
	SANDS  half of coarse fraction smaller than #4 sieve	CLEAN SANDS  (less than 5% fines)	SW	Well graded sands, gravelly sands, little or no fines	
			SP	Poorly graded sands or gravelly sands, little or no fines	
		SANDS WITH FINES	SM	Silty sands, sand-silt mixtures	
			SC	Clayey sands, sand-clay mixtures, plastic fines	
		FINE GRAINED SOILS  more than half is smaller than #200 sieve	SILTS AND CLAYS  liquid limit less than 50%	ML	Inorganic silts and very fine sand, rock flour, silty or clayey fine sands or clayey silts, with slight plasticity
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
OL	Organic silts and organic silty clays of low plasticity				
SILTS AND CLAYS  liquid limit more than 50%	MH		Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts		
	CH		Inorganic clays of high plasticity, fat clays		
	OH		Organic clays of medium to high plasticity, organic silts		
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils	

Pacific Environmental Group, Inc.

# WELL LOG

## KEY TO ABBREVIATIONS

Drilling Method

HSA - Hollow stem auger  
 CFA - Continuous flight auger  
 Air - Reverse air circulation

Gravel Pack

CA - Coarse aquarium sand

Sampling Method

Cal. Mod. - California modified split-spoon sampler (2" inner diameter) driven 18" by a 140-pound hammer having a 30" drop. Where penetration resistance is designated "P," sampler was instead pushed by drill rig.  
 Disturbed - Sample taken from drill-return materials as they surfaced.  
 n/a - Not applicable.

Moisture Content

Dr - Dry  
 Dp - Damp  
 Mst - Moist  
 Wt - Wet  
 Sat - Saturated

Sorting

PS - Poorly sorted  
 MS - Moderately sorted  
 WS - Well sorted

Plasticity

L - Low  
 M - Moderate  
 H - High

H-NU (ppm)

ND - No detection

Symbols

▽ - First encountered ground water

▼ - Static ground water level



Density

Sands and gravels

0 - 4 - Very Loose  
 5 - 10 - Loose  
 11 - 30 - Medium dense  
 31 - 50 - Dense  
 over 50 - Very dense

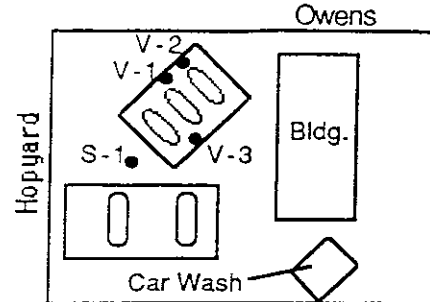
Silts and clays

0 - 2 - Very Soft  
 3 - 4 - Soft  
 5 - 8 - Firm  
 9 - 16 - Stiff  
 17 - 32 - Very stiff  
 over 32 - Hard

### GRAIN-SIZE SCALE

GRADE LIMITS	GRADE NAME
U.S. Standard inches      sieve size	
12.0	Boulders
3.0	Cobbles
0.19	Gravel
0.08	coarse Sand
0.075	medium Sand
0.075	fine Sand
0.075	Silt
0.002	Clay Size

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL / S-1  
BORING NO.  
PAGE 1 OF 1

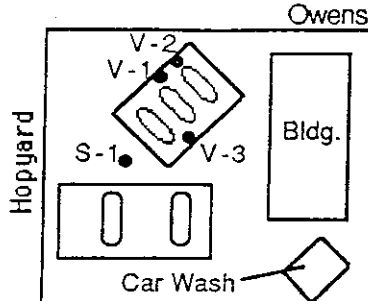
PROJECT NO. 101-09.01  
LOGGED BY: MD  
DRILLING METHOD: HSA  
SAMPLING METHOD: CAL MOD  
CASING TYPE: Sch 40 PVC  
SLOT SIZE: 0.020  
GRAVEL PACK: 12 X 20 SAND

CLIENT: G.R. Shell  
DATE DRILLED: 1-5-88  
LOCATION: Hopyard & Owens  
HOLE DIAMETER: 8"  
HOLE DEPTH: 30.5'  
WELL DEPTH: 29'  
WELL DIAMETER: 3"

WELL COMPLETION	MOISTURE CONTENT	H-NU READING	PENETRATION RESISTANCE (BLOWS/FT)	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
				2				ASPHALT & GRAVEL - FILL.
				4			CL	CLAY; dark gray; moderate plasticity; silty; trace iron oxide stains. @3'; no product odor.
				6				
				8				
				10				@9'; as above; tan mottled gray; gray around rootholes; abundant rootholes; trace-5% fine sand; stiff; no product odor.
				12				
				14				@14'; as above; water in rootholes; stiff; no product odor.
				16				
				18				
				20				@19'; as above; no sand; very stiff; no product odor.
				22				
				24				@24'; as above; trace-5% fine to medium sand; stiff; no product odor.
				26				
				28				
				30			SC	CLAYEY SAND; light to medium brown; 10-15% low plasticity fines; very fine grained; poorly graded; dense. @30'; no product odor.
				32				
				34				
				36				
				38				
				40				
				42				
				44				

BOTTOM OF BORING AT 30.5'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL / V-1  
BORING NO.  
PAGE 1 OF 1

PROJECT NO. 101-09.01  
LOGGED BY: MD  
DRILLING METHOD: HSA  
SAMPLING METHOD: CAL MOD  
CASING TYPE: Sch 40 PVC  
SLOT SIZE: 0.020  
GRAVEL PACK: Pea Gravel

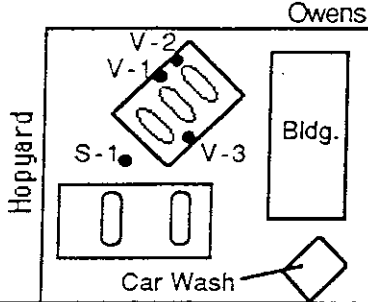
CLIENT: G.R. Shell  
DATE DRILLED: 1-5-88  
LOCATION: Hopyard & Owens  
HOLE DIAMETER: 8"  
HOLE DEPTH: 14.5'  
WELL DEPTH: 14.5'  
WELL DIAMETER: 3"

WELL COMPLETION	MOISTURE CONTENT	H-NU READING	PENETRATION RESISTANCE (BLOWS/FT)	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
CONCRETE				2		GP	GP	GRAVEL; light gray; fine grained; pea gravel tank backfill; no samples taken in fill.  moderate product odor in gravel brought up in augers.
BENTONITE				4				
				6				
				8				
				10				
				12				
	Wt	18	21	14	CL	CL	CLAY; tan to medium brown; gray mottle at rootholes; abundant rootholes; water in rootholes; trace fine to medium sand; very stiff. @14'; faint product odor.	
				16				
				18				
				20				
				22				
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

BOTTOM OF BORING AT 14.5'



LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL / V-2  
BORING NO.  
PAGE 1 OF 1

PROJECT NO. 101-09.01  
LOGGED BY: MD  
DRILLING METHOD: HSA  
SAMPLING METHOD: CAL MOD  
CASING TYPE: Sch 40 PVC  
SLOT SIZE: 0.020  
GRAVEL PACK: Pea Gravel

CLIENT: G.R. Shell  
DATE DRILLED: 1-5-88  
LOCATION: Hopyard & Owens  
HOLE DIAMETER: 8"  
HOLE DEPTH: 14.5'  
WELL DEPTH: 14.5'  
WELL DIAMETER: 3"

WELL COMPLETION	MOISTURE CONTENT	H-NU READING	PENETRATION RESISTANCE (BLOWS/FT)	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
CONCRETE BENTONITE				2		GP	GP	GRAVEL; light gray; tank backfill; fine grained pea gravel; no samples taken in fill.  faint product odor in gravel brought up in augers.  CLAY; tan; gray mottle around rootholes; silty; trace fine sand; roots; stiff. @13'; faint product odor. BOTTOM OF BORING AT 14.5'
				4				
				6				
				8				
				10				
				12				
				14	█	CL	CL	
				16				
				18				
				20				
				22				
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

Wt 0.3 16

Field location of boring:  (See Plate 2)	Project No.: 7633	Date: 10/30/89	Boring No:
	Client: Shell Oil Company	S-6	
	Location: 5251 Hopyard Road	Sheet 1	
	City: Pleasanton, California	of 2	
Logged by: R.S.Y.	Driller: Bayland	Casing installation data:	

Drilling method: Hollow-Stem Auger	Top of Box Elevation: 326.56	Datum: MSL
Hole diameter: 8-Inch		

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level				Description
				1								PAVEMENT SECTION - 2.5 feet
0	4	S&H		3								
	12		S-6	4								CLAY (CH) - black (7.5YR 2/0), very stiff, damp, trace fine sand, high plasticity; rootlets; no chemical odor.
	13		4.5	5								
				6								
				7								
				8								
				9								soft drilling at 8.0 feet.
0	350	S&H		10								SANDY CLAY (CL) - dark grayish brown (10YR 4/2), very stiff, damp, low plasticity; 35% very fine sand; trace gravels; no chemical odor.
	350	push	S-6	11								
	350		11.0	12								
0	4	S&H		13								same as above; rootholes; voids.
	7		S-6	14								
	7		14.0	15								
	3		S-6	15								sand lense at 15.0 feet - 2.0 inches thick; no chemical odor.
	4			16								
	5		15.5	17								
				18								
				19								Sample rods wet at 18.5 feet

Remarks:

Field location of boring:  (See Plate 2)	Project No.: 7633	Date: 10/30/89	Boring No:
	Client: Shell Oil Company		S-6
	Location: 5251 Hopyard Road		Sheet 2
	City: Pleasanton, California		of 2
	Logged by: R.S.Y.	Driller: Bayland	
Casing installation data:			

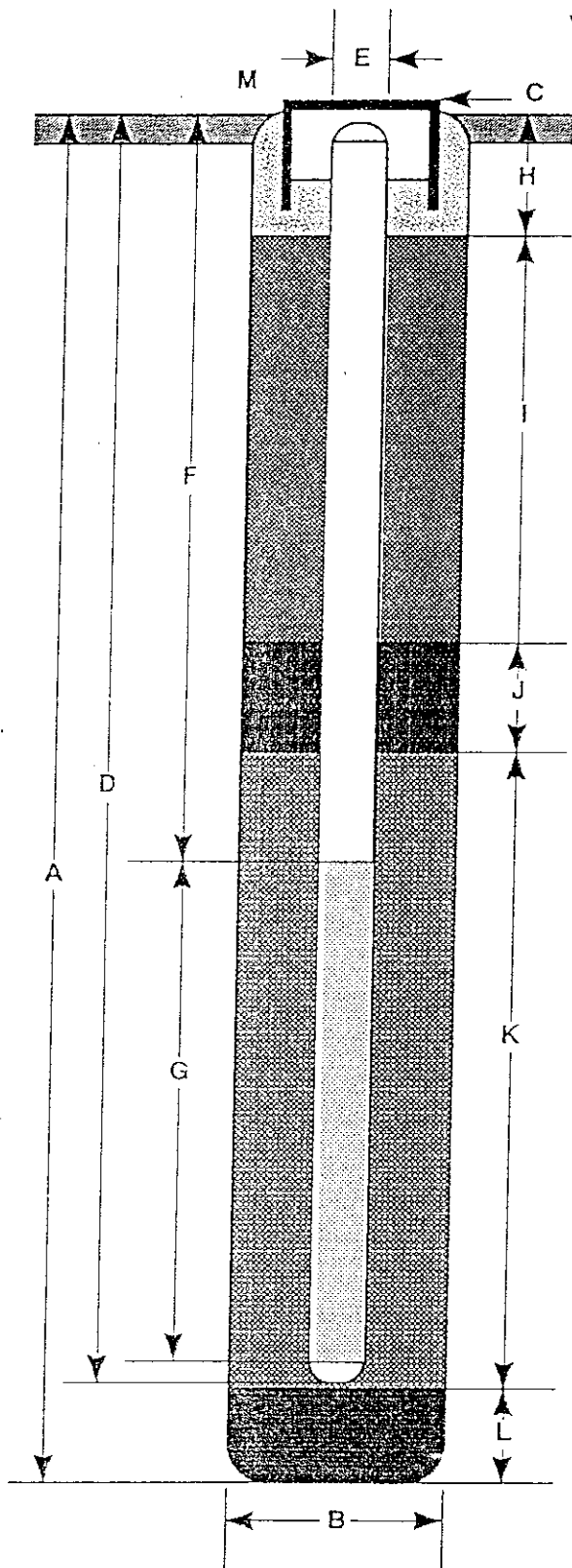
Drilling method: Hollow-Stem Auger	Top of Box Elevation:	Datum:
------------------------------------	-----------------------	--------

PID (ppm)	Blows/ft. or Pressure (psf)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level			Description
								Time			
				20			CLAY (CH)				same as above; trace well rounded gravel.
	4	S&H		21							
	5		S-6								
	6		21.0	22							
				23							
				24							
0	4	S&H		25			CLAY (CH)				CLAY (CH) - black (7.5YR 2/0), medium stiff, saturated, high plasticity; trace fine gravel; no chemical odor.
	3		S-6								
	2		26.0	26							
				27							Bottom of boring at 26.0 feet. Bottom of sample at 26.0 feet.
				28							
				29							
				30							
				31							
				32							
				33							
				34							
				35							
				36							
				37							
				38							
				39							

Remarks:



# WELL CONSTRUCTION DETAIL



- A Total Depth of Boring \_\_\_\_\_ 26.0 ft.
- B Diameter of Boring \_\_\_\_\_ 8 in.  
Drilling Method \_\_\_\_\_ Hollow-Stem Auger
- C Top of Box Elevation \_\_\_\_\_ 326.56 ft.  
 Referenced to Mean Sea Level  
 Referenced to Project Datum
- D Casing Length \_\_\_\_\_ 25.5 ft.  
Material \_\_\_\_\_ Schedule 40 PVC
- E Casing Diameter \_\_\_\_\_ 3 in.
- F Depth to Top Perforations \_\_\_\_\_ 6.0 ft.
- G Perforated Length \_\_\_\_\_ 20 ft.  
Perforated Interval from \_\_\_\_\_ 6 to \_\_\_\_\_ 26 ft.  
Perforation Type \_\_\_\_\_ Schedule 40 PVC  
Perforation Size \_\_\_\_\_ 0.020 in.
- H Surface Seal from \_\_\_\_\_ 0 to \_\_\_\_\_ 1.5 ft.  
Seal Material \_\_\_\_\_ concrete grout
- I Backfill from \_\_\_\_\_ 1.5 to \_\_\_\_\_ 4.0 ft.  
Backfill Material \_\_\_\_\_ cement grout
- J Seal from \_\_\_\_\_ 4.0 to \_\_\_\_\_ 5.0 ft.  
Seal Material \_\_\_\_\_ Bentonite Pellets
- K Gravel Pack from \_\_\_\_\_ 5.0 to \_\_\_\_\_ 26.0 ft.  
Pack Material \_\_\_\_\_ Lonestar #2/12 sand
- L Bottom Seal \_\_\_\_\_ ft.  
Seal Material \_\_\_\_\_
- M \_\_\_\_\_



GeoStrategies Inc.

Well Construction Detail

WELL NO.

**S-6**

JOB NUMBER  
7633

REVIEWED BY RG/CEG  
*OMP CEG 1262*

DATE  
11/89

REVISED DATE

REVISED DATE

Field location of boring:  (See Plate 2)	Project No.: 7633	Date: 10/30/89	Boring No:
	Client: Shell Oil Company		S-7
	Location: 5251 Hopyard Road		Sheet 1
	City: Pleasanton, California		of 2
	Logged by: R.S.Y.	Driller: Bayland	
Casing installation data:			

Drilling method: Hollow-Stem Auger	Top of Box Elevation: 326.49	Datum: MSL
Hole diameter: 8-Inch		

PID (ppm)	Blows/ft. or Pressure (psf)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level				Description
								Time				
				1								PAVEMENT SECTION - 2.5 feet
				2								
				3								
				4								
0	450	S&H		5								CLAY with SAND (CH) - black (2.5Y 2/0), very stiff, moist, high plasticity; 20% very fine sand; trace well rounded fine gravel; 30% peat from 4.5 to 6.0 feet; no chemical odor.
	450	push	S-7	6								
	450		6.0									
				7								
				8								
				9								soft at 8.5 feet
0	200	S&H		10								
	200	push	S-7	11								SANDY CLAY (CL) - very dark grayish brown (7.5YR 3/2), stiff, moist, low plasticity; 35% very fine sand; no chemical odor.
	200		11.0									
				12								
				13								
				14								
0	4	S&H		15								
	5		S-7	16								CLAY (CH) - very dark gray (7.5YR 3/0), medium stiff, very moist, open voids, high plasticity; calcareous stringers; no chemical odor.
	6		16.0									
				17								
				18								
				19								Sample rods wet at 18.5 feet

Remarks:

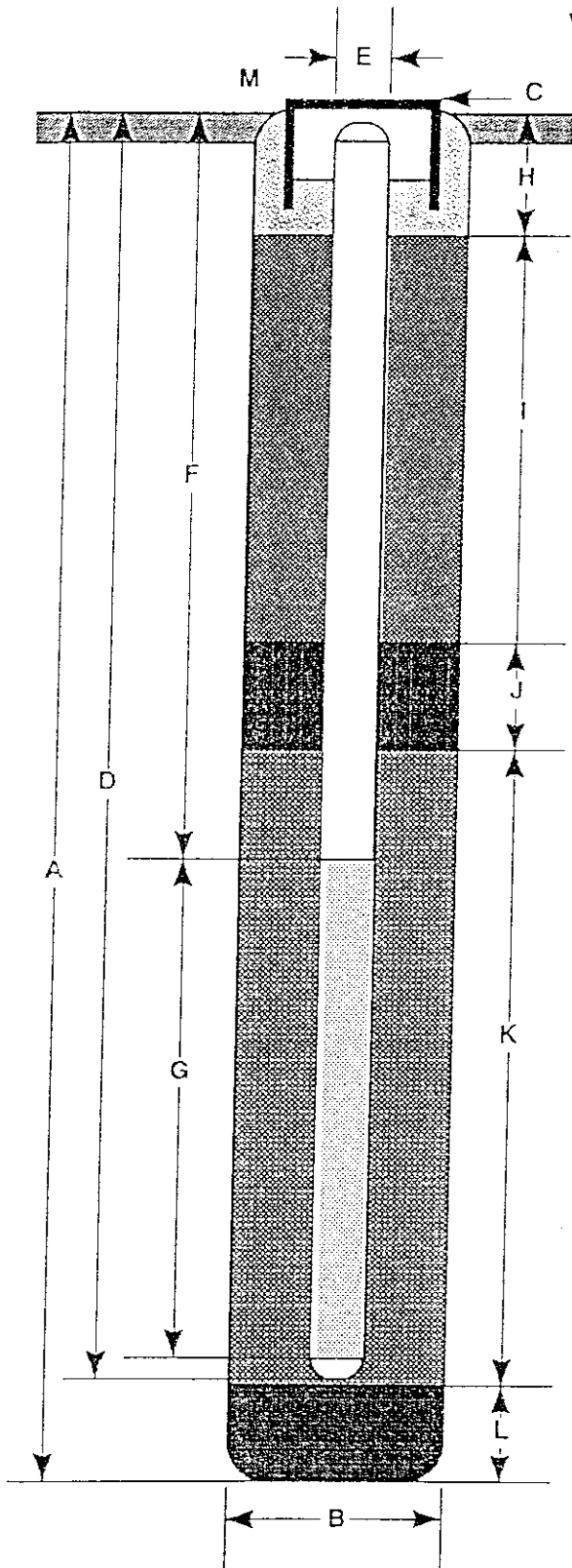
Field location of boring:  (See Plate 2)	Project No.: 7633	Date: 10/30/89	Boring No:
	Client: Shell Oil Company		S-7
	Location: 5251 Hopyard Road		
	City: Pleasanton, California		Sheet 2
	Logged by: R.S.Y.	Driller: Bayland	of 2

Drilling method: Hollow-Stem Auger	Casing installation data:
Hole diameter: 8-Inch	Top of Box Elevation: Datum:

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level				Description
								Time				
0	4	S&H		20								
	5		S-7									
	6		21.0	21								COLOR CHANGE to gray (2.5Y 5/0); 10% very fine sand; no chemical odor.
				22								
				23								
				24								
0	3	S&H		25								
	4		S-7									
	5		26.0	26								CLAYEY SAND (SC) - olive gray (5Y 4/2), loose, saturated; 70% very fine sand; 30% clay; no chemical odor.
	2	S&H										
	3			27								CLAY (CL) - dark gray (2.5Y 4/0), medium stiff, moist, low plasticity; no chemical odor.
	4			28								
				29								
				30								Bottom of boring at 27.5 feet. Bottom of sample at 27.5 feet.
				31								
				32								
				33								
				34								
				35								
				36								
				37								
				38								
				39								

Remarks:

# WELL CONSTRUCTION DETAIL



- A Total Depth of Boring \_\_\_\_\_ 27.5 ft.
- B Diameter of Boring \_\_\_\_\_ 8 in.  
Drilling Method \_\_\_\_\_ Hollow-Stem Auger
- C Top of Box Elevation \_\_\_\_\_ 326.49 ft.  
 Referenced to Mean Sea Level  
 Referenced to Project Datum
- D Casing Length \_\_\_\_\_ 25.5 ft.  
Material \_\_\_\_\_ Schedule 40 PVC
- E Casing Diameter \_\_\_\_\_ 3 in.
- F Depth to Top Perforations \_\_\_\_\_ 4.5 ft.
- G Perforated Length \_\_\_\_\_ 20 ft.  
Perforated Interval from \_\_\_\_\_ 5.5 to \_\_\_\_\_ 25.5 ft.  
Perforation Type \_\_\_\_\_ Schedule 40 PVC  
Perforation Size \_\_\_\_\_ 0.020 in.
- H Surface Seal from \_\_\_\_\_ 0 to \_\_\_\_\_ 1.5 ft.  
Seal Material \_\_\_\_\_ concrete grout
- I Backfill from \_\_\_\_\_ 1.5 to \_\_\_\_\_ 3.5 ft.  
Backfill Material \_\_\_\_\_ cement grout
- J Seal from \_\_\_\_\_ 3.5 to \_\_\_\_\_ 4.5 ft.  
Seal Material \_\_\_\_\_ Bentonite Pellets
- K Gravel Pack from \_\_\_\_\_ 4.5 to \_\_\_\_\_ 27.5 ft.  
Pack Material \_\_\_\_\_ Lonestar #2/12 sand
- L Bottom Seal \_\_\_\_\_ ft.  
Seal Material \_\_\_\_\_
- M \_\_\_\_\_



GeoStrategies Inc.

Well Construction Detail

WELL NO.

**S-7**

JOB NUMBER  
7633

REVIEWED BY RJC/CEG  
CWP CEG R62

DATE  
11/89

REVISED DATE

REVISED DATE

Field location of boring:

(See Plate 2)

Project No.: 7633

Date: 11/06/89

Boring No:

Client: Shell Oil Company

S-8

Location: 5251 Hopyard Road

City: Pleasanton, California

Sheet 1

Logged by: R.S.Y.

Driller: Bayland

of 2

Casing installation data:

Drilling method: Hollow-Stem Auger

Hole diameter: 8-Inch

Top of Box Elevation: 325.32

Datum: MSL

PID (ppm)	Blows/ft or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level			
								Time			
								Date			
								Description			
				1				PAVEMENT SECTION - 2.5 feet			
				2							
				3							
				4				CLAY (CL) - black (2.5YR 5/6), medium stiff, damp, medium plasticity; trace coarse sand; no chemical odor.			
0	100	S&H		5							
	100	push	S-8								
	100		5.5								
				6				SILT (ML) - dark gray (7.5YR 4/0), medium stiff, moist; 20% very fine sand; voids; no chemical odor.			
				7							
				8							
				9							
0	100	S&H		10				SILTY SAND (SM) - brown (10YR 5/3), loose, very damp; 70% very fine sand; 30% silt; no chemical odor.			
	100	push	S-8								
	100		10.5								
				11							
				12							
				13							
				14							
0	2	S&H		15				SILTY CLAY (CL) - dark brownish gray (2.5Y 4/2), medium stiff, moist; 60% clay; 40% silt; no chemical odor.			
	2		S-8								
	5		15.5								
				16							
				17							
				18							
				19				Sample rods wet at 18.5 feet			

Remarks:

Log of Boring

BORING NO.



GeoStrategies Inc.

S-8

JOB NUMBER  
7633

REVIEWED BY RG/CEG  
DUMP CE 6/26/2

DATE  
11/89

REVISED DATE

REVISED DATE



Field location of boring:  
  
(See Plate 2)

Project No.: 7633      Date: 11/06/89      Boring No:  
 Client: Shell Oil Company      S-8  
 Location: 5251 Hopyard Road  
 City: Pleasanton, California      Sheet 2  
 Logged by: R.S.Y.      Driller: Bayland      of 2  
 Casing installation data:

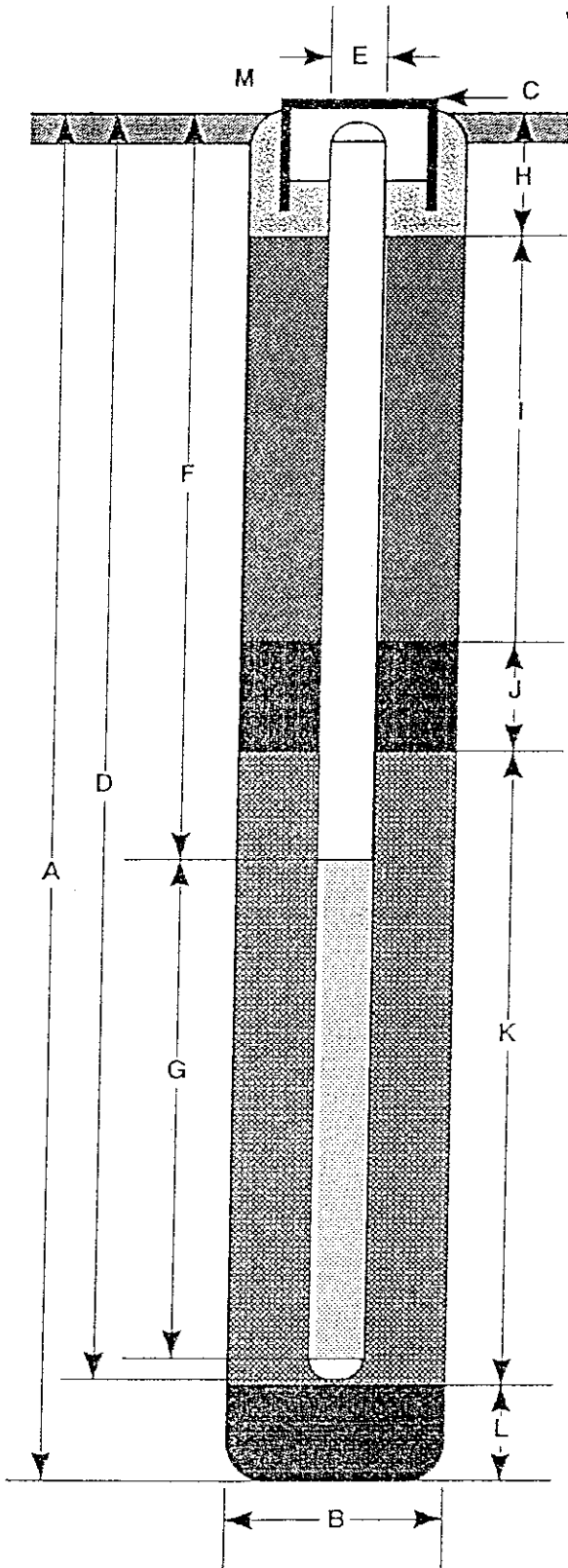
Drilling method: Hollow-Stem Auger  
 Hole diameter: 8-Inch

Top of Box Elevation:      Datum:

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level				Description
								Time				
								Date				
0	2	S&H		20								
	2		S-8	20								
	5		20.5	21								same as above; caliche nodules.
				22								
				23								
				24								
	4	S&H		25								COLOR CHANGE to olive gray (5Y 4/2), increasing density.
	5		S-8	25								
	6		26.0	26								Bottom of boring at 26.0 feet. Bottom of sample at 26.0 feet.
				27								
				28								
				29								
				30								
				31								
				32								
				33								
				34								
				35								
				36								
				37								
				38								
				39								

Remarks:

# WELL CONSTRUCTION DETAIL



- A Total Depth of Boring \_\_\_\_\_ 26 ft.
- B Diameter of Boring \_\_\_\_\_ 8 in.  
Drilling Method \_\_\_\_\_ Hollow-Stem Auger
- C Top of Box Elevation \_\_\_\_\_ 325.32 ft.  
 Referenced to Mean Sea Level  
 Referenced to Project Datum
- D Casing Length \_\_\_\_\_ 25 ft.  
Material \_\_\_\_\_ Schedule 40 PVC
- E Casing Diameter \_\_\_\_\_ 3 in.
- F Depth to Top Perforations \_\_\_\_\_ 5 ft.
- G Perforated Length \_\_\_\_\_ 20 ft.  
Perforated Interval from \_\_\_\_\_ 5 to \_\_\_\_\_ 25 ft.  
Perforation Type \_\_\_\_\_ Schedule 40 PVC  
Perforation Size \_\_\_\_\_ 0.020 in.
- H Surface Seal from \_\_\_\_\_ 0.0 to \_\_\_\_\_ 1.5 ft.  
Seal Material \_\_\_\_\_ concrete grout
- I Backfill from \_\_\_\_\_ 1.5 to \_\_\_\_\_ 3.0 ft.  
Backfill Material \_\_\_\_\_ cement grout
- J Seal from \_\_\_\_\_ 3 to \_\_\_\_\_ 4 ft.  
Seal Material \_\_\_\_\_ Bentonite Pellets
- K Gravel Pack from \_\_\_\_\_ 4 to \_\_\_\_\_ 26 ft.  
Pack Material \_\_\_\_\_ Lonestar #2/12 sand
- L Bottom Seal \_\_\_\_\_ ft.  
Seal Material \_\_\_\_\_
- M \_\_\_\_\_



GeoStrategies Inc.

Well Construction Detail

WELL NO.

S-8

JOB NUMBER  
7633

REVIEWED BY RG/CEG  
CAMP CEG 1262

DATE  
11/89

REVISED DATE

REVISED DATE

# Delta

Environmental Consultants, Inc.

Project No:	SJ52-51H-1	Client:	Shell Oil Products US	Boring No:	GP-1
Logged By:	Heather Buckingham	Location:	8999 San Ramon Rd., Dublin	Page 1 of 1	
Driller:	Gregg	Date Drilled:	5/2/2005	Location Map	
Drilling Method:	Direct Push	Hole Diameter:	3"	Please see site map	
Sampling Method:	GeoProbe	Hole Depth:	28 ft		
Casing Type:		Well Diameter:			
Slot Size:		Well Depth:			
Gravel Pack:		Casing Stickup:			

Elevation	Northing	Easting
-----------	----------	---------

Well Completion		Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION	
Backfill	Casing									
Grout			damp	1.1	↑ air knifed & hand augered ↓	1		AF	Asphalt 4", Concrete 2"	
						2		GW	<b>Well graded GRAVEL with clay and sand:</b> medium brown; 60-70% gravel 1/4" to 3/4"; 25-35% well graded sand; 5-15% fines	
						3			CL	<b>Lean CLAY:</b> medium brown; moderate to high plasticity; trace fine to medium grained sand
						4				
						5				(same as above, dark gray)
						6				
						7				(same as above, dark brown mottling)
						8				
						9				
				339		10				
						11				
						12				
						13				
						14				
			moist	233		15				
						16			CL	<b>Lean CLAY with Sand:</b> medium brown mottled with gray; moderate plasticity; 10-15% fine to coarse grained sand
						17				
						18				
						19				
			wet	242		20			ML	<b>SILT with Sand:</b> medium brown; slight plasticity; 10-15% coarse grained sand
						21				
						22				
									Boring terminated at 22 feet below grade	



# Delta

Environmental Consultants, Inc.

Project No:	SJ52-51H-1	Client:	Shell Oil Products US	Boring No:	GP-3
Logged By:	Heather Buckingham	Location:	5251 Hopyard Rd., Pleasanton	Page 1 of 1	
Driller:	Gregg	Date Drilled:	8/10/05 & 8/11/05	Location Map	
Drilling Method:	Direct Push	Hole Diameter:	3"	Please see site map	
Sampling Method:	GeoProbe	Hole Depth:	22 ft		
Casing Type:		Well Diameter:			
Slot Size:		Well Depth:			
Gravel Pack:		Casing Stickup:			

Elevation	Northing	Easting
-----------	----------	---------

Well Completion		Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing							
Grout		damp	84.3	air knifed & hand augered	1		AF	Asphalt 6"
					2	SW	<b>Well graded SAND with clay and gravel:</b> medium brown; 50-70% well graded sand; 20-30% gravel up to 1.5" in length; 10-20% fines	
					3	CL	<b>Lean CLAY:</b> dark gray; moderate plasticity; trace fine grained sand	
		dry			4			
					5			
					6			
		wet			7			
					8			
					9			
					10	0.1	CL	<b>Sandy Lean CLAY:</b> grayish brown; slight plasticity; 35-45% medium grained sand; trace gravels (1/4")
			11					
			12	1.1	CL	<b>Lean CLAY with Sand:</b> medium brown with light gray mottling; moderate plasticity; 10-15% fine grained sand		
		damp	13					
			14					
			15					
			16					
			17					
			18					
			19					
			20	2.1				
			21					
			22					

Boring terminated at 22 feet below grade

# Delta

Environmental Consultants, Inc.

Project No: SJ52-51H-1 Client: Shell Oil Products US  
 Logged By: Heather Buckingham Location: 5251 Hopyard Rd., Pleasanton  
 Driller: Gregg Date Drilled: 8/10/05 & 8/11/05  
 Drilling Method: Direct Push Hole Diameter: 3"  
 Sampling Method: GeoProbe Hole Depth: 22 ft  
 Casing Type: Well Diameter:  
 Slot Size: Well Depth:  
 Gravel Pack: Casing Stickup:

Boring No: GP-4

Page 1 of 1

Location Map

Please see site map

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

Grout



damp

41.1

air knifed &  
hand augered

419

moist

185

wet

145

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

AF

CL

CL

CL

ML

Asphalt 4", Concrete 2"

**Lean CLAY:** dark gray; moderate plasticity; trace fine grained sands and gravels (1/4")

(same as above, medium brown)

(same as above, no trace gravels)

**Sandy CLAY:** dark gray with medium brown mottling; moderate plasticity; 25-35% fine grained sand

**Lean CLAY:** (same as above with a 2 to 3" sandy gravel layer at 17.5 feet bg)

**Sandy SILT:** medium brown; slight plasticity; 20-30% fine grained sand

Boring terminated at 22 feet below grade

# Delta

Environmental Consultants, Inc.

Project No: SJ52-51H-1 Client: Shell Oil Products US  
 Logged By: Heather Buckingham Location: 5251 Hopyard Rd., Pleasanton  
 Driller: Gregg Date Drilled: 8/10/05 & 8/11/05  
 Drilling Method: Direct Push Hole Diameter: 3"  
 Sampling Method: GeoProbe Hole Depth: 22 ft  
 Casing Type: Well Diameter:  
 Slot Size: Well Depth:  
 Gravel Pack: Casing Stickup:

Boring No: GP-5  
 Page 1 of 1

Location Map

Please see site map

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

Grout								AF	Asphalt 4", Concrete 2"
			damp			1		CL	<b>Sandy Lean CLAY:</b> medium brown; moderate plasticity; 25-35% coarse grained sand; trace gravels (1/4")
					2				
					3				
					4				
					5		CL	<b>Lean CLAY:</b> dark gray, moderate to high plasticity; trace fine grained sand	
					6				
					7				
					8				
					9				
					10				
					11				
					12			(same as above, mottled with medium brown)	
					13				
					14		CL	<b>Sandy Lean CLAY:</b> medium brown; moderate plasticity; 25-35% fine grained sand	
					15			(same as above, trace gravels, 2-3" sandy gravel layer at 16 feet below grade)	
					16				
					17				
					18				
					19				
					20				
					21				
				22		CL	<b>Lean CLAY:</b> (same as above)		

air knifed & hand augered

2.4

44.9

9.7

8.7



damp  
moist  
damp

wet

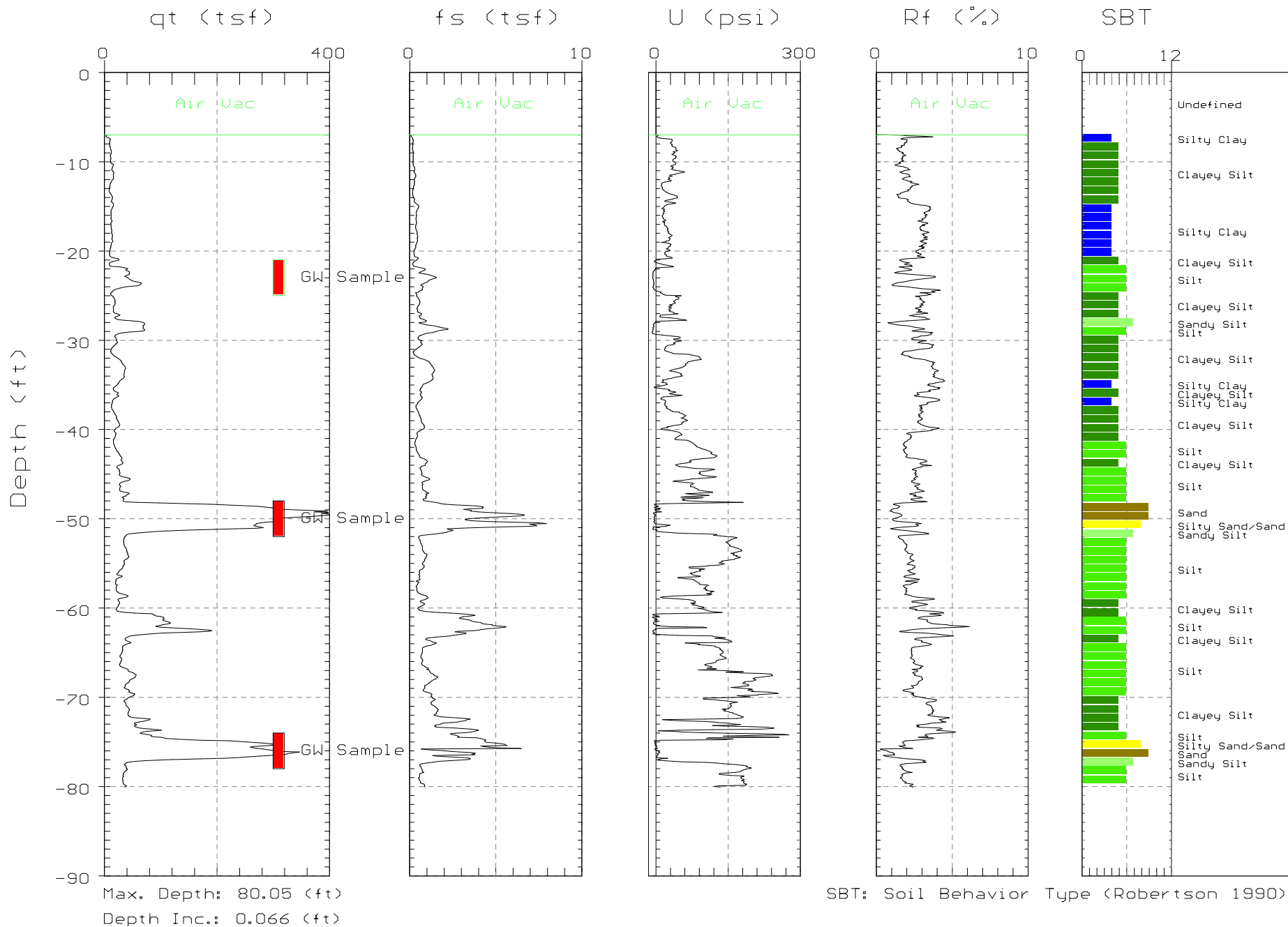
Boring terminated at 22 feet below grade



# DELTA

Site: 5152 HOPYARD RD.  
Location: CPT-01

Engineer: H. BUCKINGHAM  
Date: 08:31:05 04:28



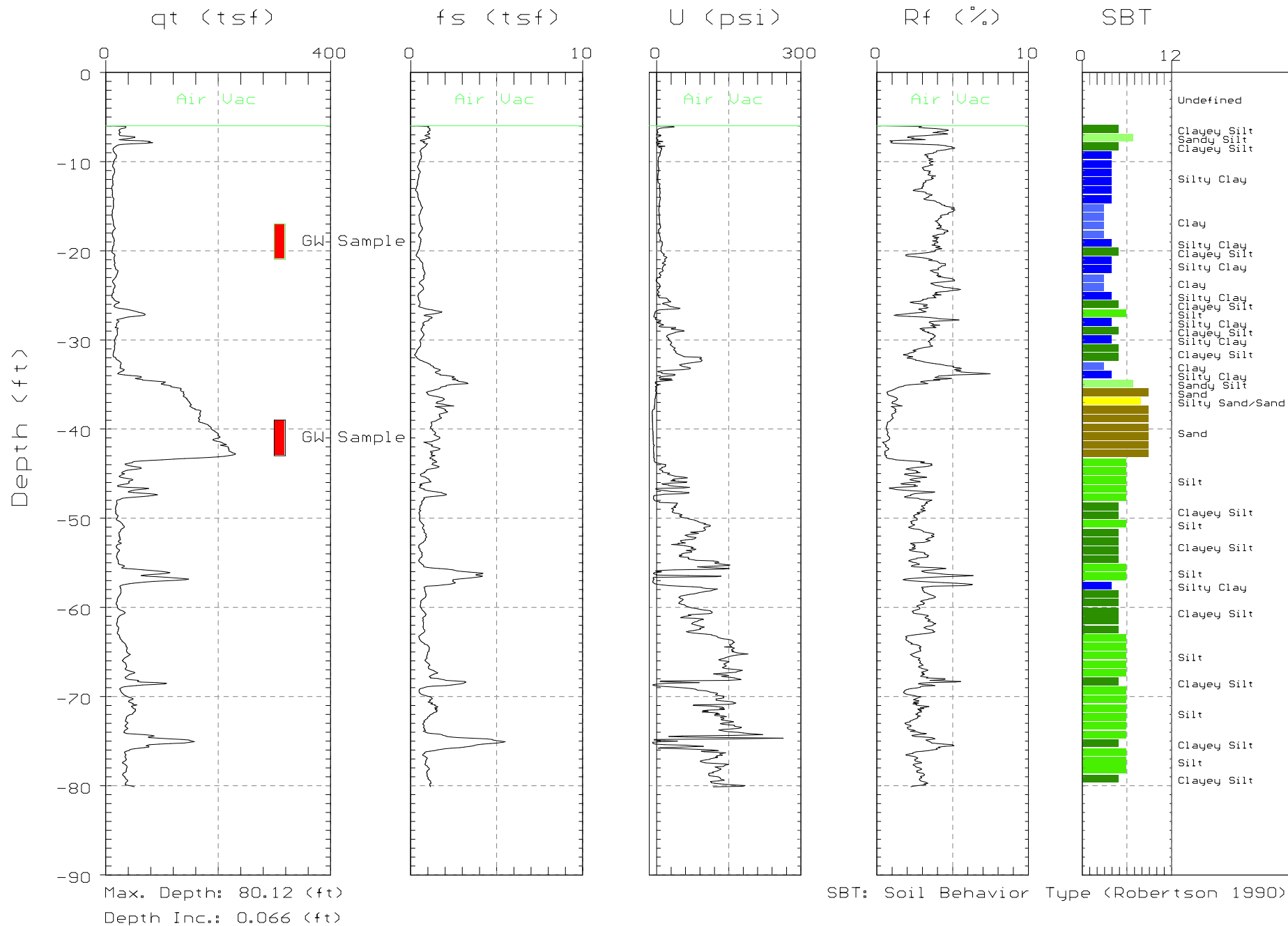




# DELTA

Site: 5152 HOPYARD RD.  
Location: CPT-02

Engineer: H. BUCKINGHAM  
Date: 08:26:05 12:08

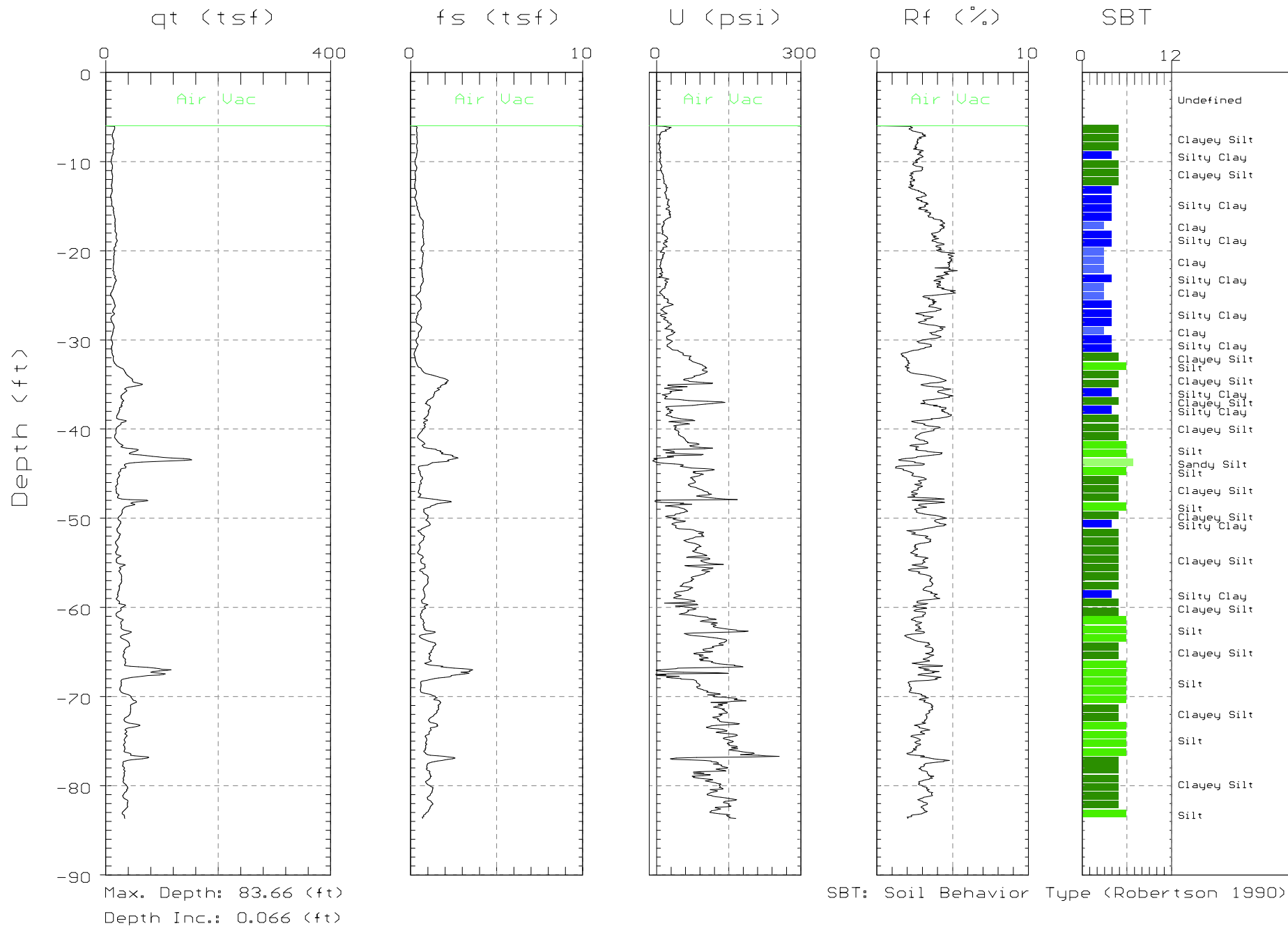




# DELTA

Site: 5152 HOPYARD RD.  
Location: CPT-03A

Engineer: H. BUCKINGHAM  
Date: 08:26:05 06:25

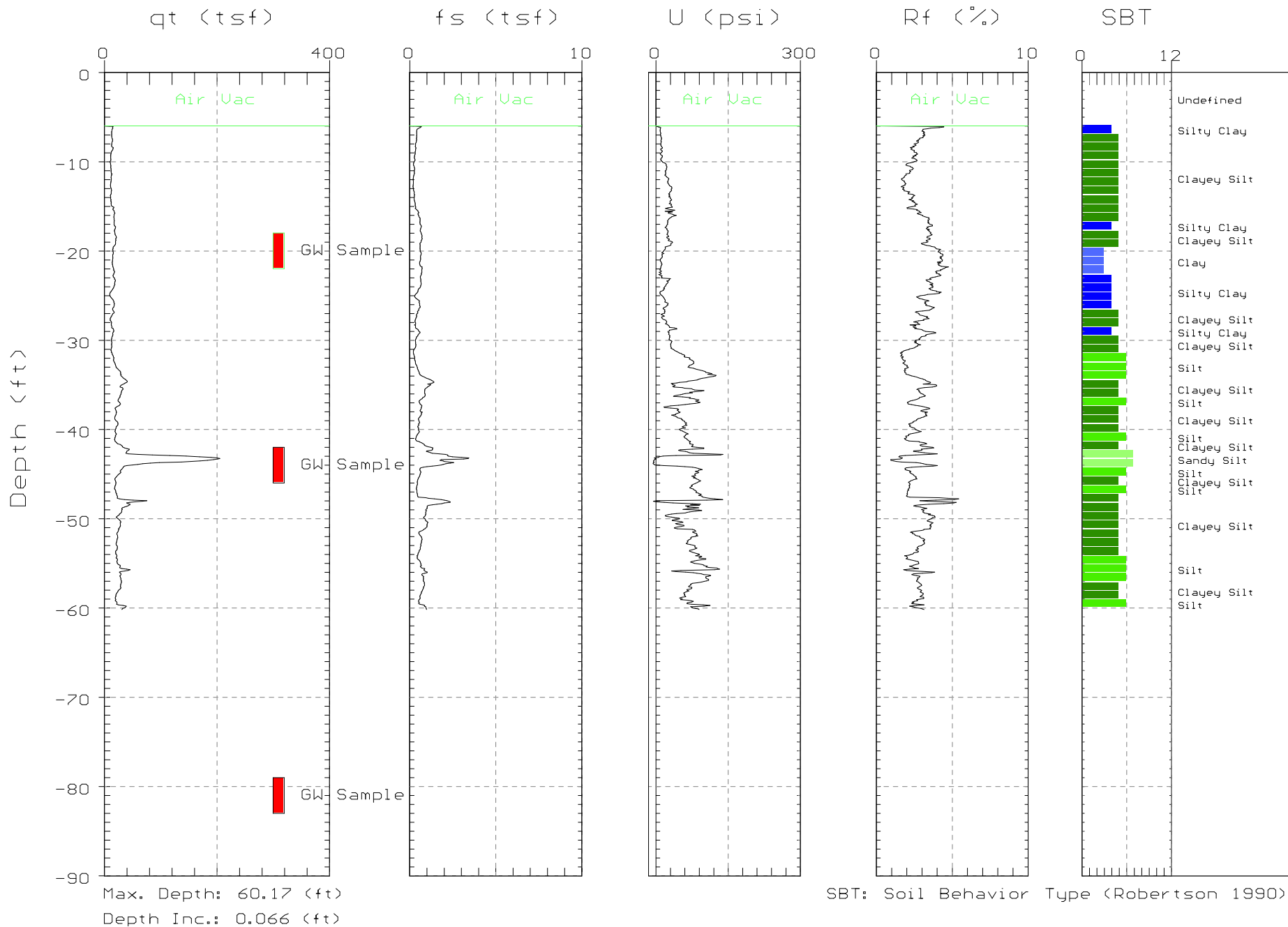


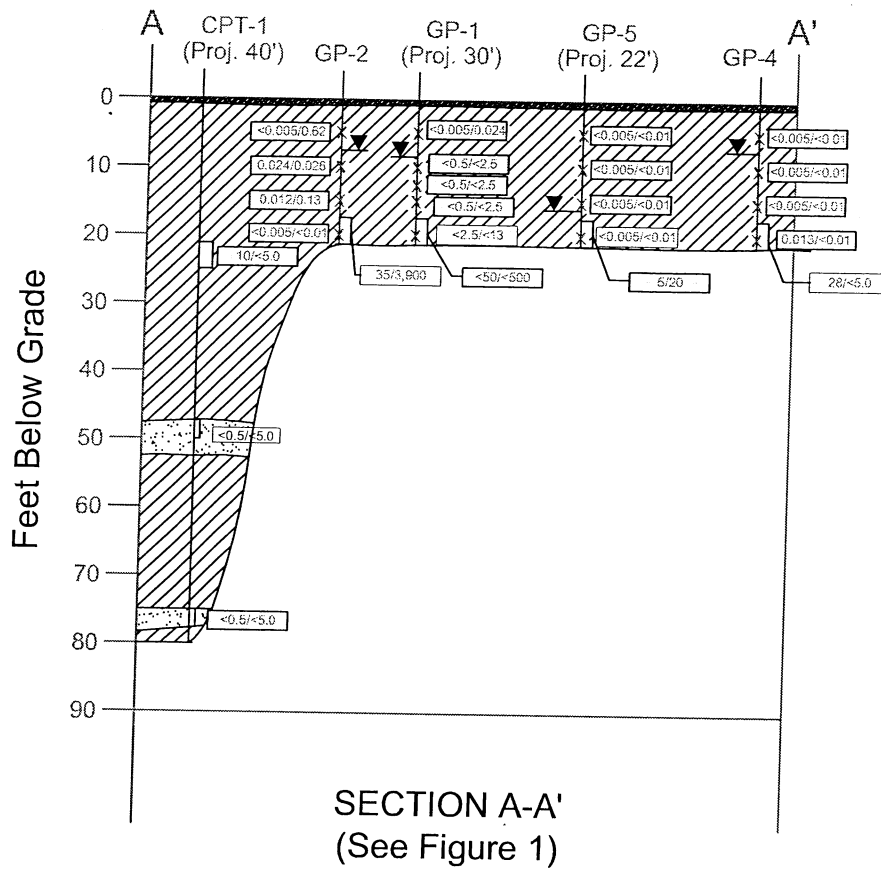


# DELTA

Site: 5152 HOPYARD RD.  
Location: CPT-03

Engineer: H. BUCKINGHAM  
Date: 08:26:05 05:07

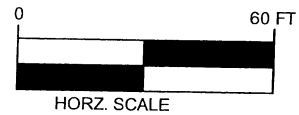




**LEGEND:**

- CPT-1 WELL/BORING IDENTIFICATION
- DEPTH OF STABILIZED GROUND WATER
- SCREEN AND SAND PACK INTERVAL
- X SOIL SAMPLE
- GROUNDWATER SAMPLING INTERVAL

- CLAY
- SAND
- ARTIFICIAL FILL



X 91 / <5.0 MTBE/TBA CONCENTRATIONS IN GROUNDWATER (UG/L)  
 CPT BORINGS SAMPLED ON 8/31/05 AND 8/26/05  
 WELLS SAMPLED ON 5/20/05  
 GEOPROBE BORINGS SAMPLED ON 8/11/05

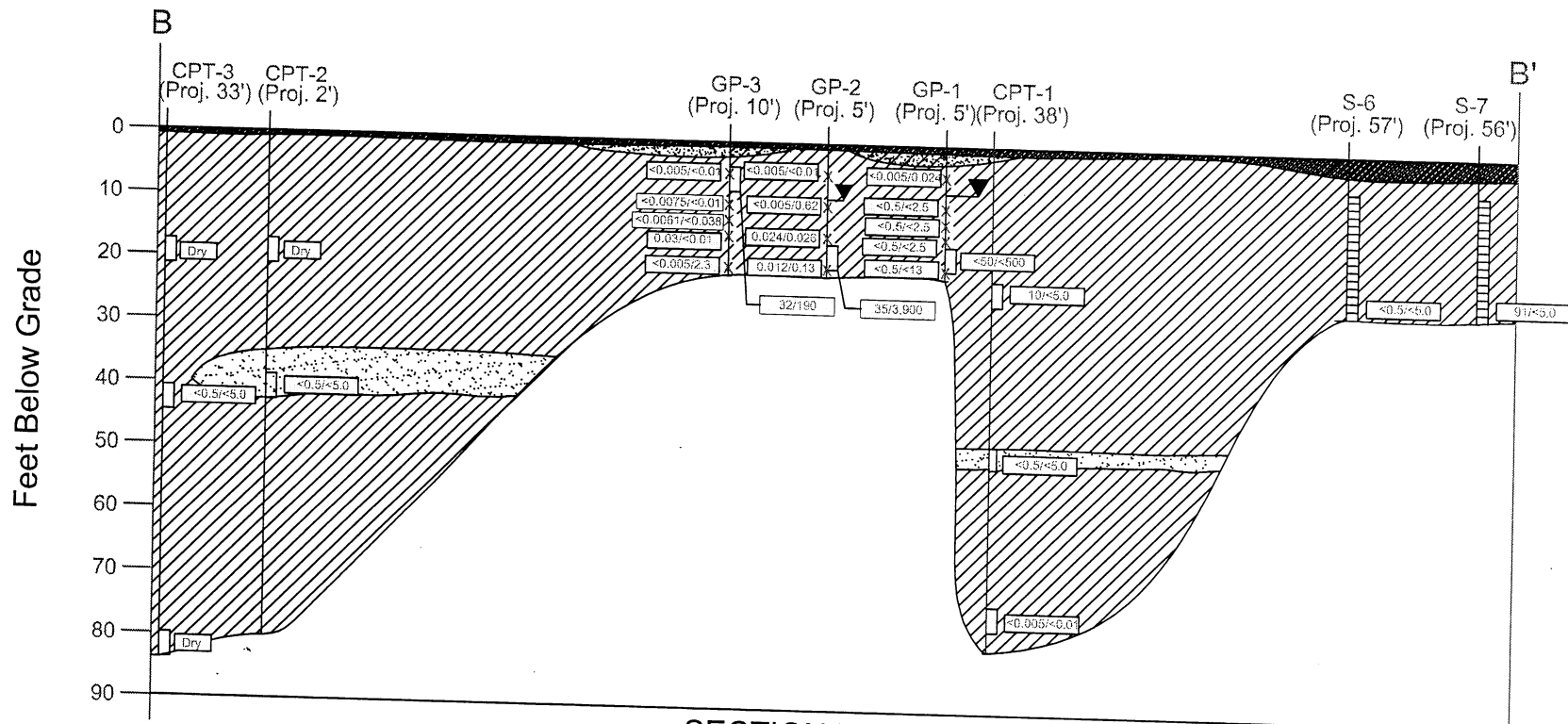
91 / <5.0 MTBE/TBA CONCENTRATIONS IN GROUNDWATER (MG/KG) (8/10/05 AND 8/11/05)

**FIGURE 2**  
 HYDROGEOLOGIC CROSS-SECTION A-A'  
 AUGUST 2005

SHELL-BRANDED SERVICE STATION  
 5251 Hopyard Road  
 Pleasanton, California

PROJECT NO. SJ52-51H-1.2005	DRAWN BY JL 10/04/05
FILE NO. SJ52-51H-1.2005	PREPARED BY HB
REVISION NO. 1	REVIEWED BY LD

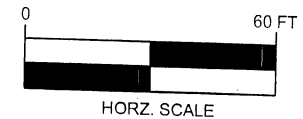
**Delta**  
ENVIRONMENTAL  
CONSULTANTS INC.



**LEGEND:**

**SECTION B-B'**  
(See Figure 1)

- MW-1 WELL/BORING IDENTIFICATION
- DEPTH OF STABILIZED GROUND WATER
- SCREEN AND SAND PACK INTERVAL
- Dry NO GROUNDWATER ENCOUNTERED IN BOREHOLE
- CLAY
- SAND / WELL GRADED SAND / GRAVEL
- SAND
- ARTIFICIAL FILL
- X SOIL SAMPLE
- GROUNDWATER SAMPLING INTERVAL
- X MTBE/TBA CONCENTRATIONS IN GROUNDWATER (UG/L)
- CPT BORINGS SAMPLED ON 8/31/05 AND 8/26/05
- WELLS SAMPLED ON 5/20/05
- GEOPROBE BORINGS SAMPLED ON 8/11/05
- 91/5.0 MTBE/TBA CONCENTRATIONS IN GROUNDWATER (MG/KG) (8/10/05 AND 8/11/05)



**FIGURE 3**  
HYDROGEOLOGIC CROSS-SECTION B-B'  
AUGUST 2005

SHELL-BRANDED SERVICE STATION  
5251 Hopyard Road  
Pleasanton, California

PROJECT NO. SJ52-51H-1.2005	DRAWN BY JL 10/04/05
FILE NO. SJ52-51H-1.2005	PREPARED BY HB
REVISION NO. 1	REVIEWED BY LD

**Delta**  
ENVIRONMENTAL  
CONSULTANTS INC.

**Well Construction Data**  
**Shell-branded Service Station**  
**5251 Hopyard, Pleasanton, California**

Well	Date Installed	Total Depth (feet)	Well Diam. (inches)	Screened Interval (feet)
S-1	1/5/88	29	3	5 to 29
S-2	NA	24 (1)	3	NA
S-3	NA	24 (1)	3	NA
S-4	NA	24 (1)	3	NA
S-5	NA	24 (1)	3	NA
S-6	10/30/89	25.5	3	5.5 to 25.5
S-7	10/30/89	26	3	6 to 26
S-8	11/6/89	25	3	5 to 25
V-1	1/5/88	14.5	3	10 to 14.5
V-2	1/5/88	14.5	3	10 to 14.5
V-3	1/5/88	14.5	3	10 to 14.5

Note: Logs for Wells S-2 through S-5 not available. Total well depth and well diameter from Blaine Tech monitoring report.



GROUNDWATER SAMPLING SPECIALISTS  
SINCE 1985

September 29, 2005

Denis Brown  
Shell Oil Products US  
20945 South Wilmington Avenue  
Carson, CA 90810

Third Quarter 2005 Groundwater Monitoring at  
Shell-branded Service Station  
5251 Hopyard Road  
Pleasanton, CA

Monitoring performed on August 5 and  
September 16, 2005

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Groundwater Monitoring Report **050805-WC-1 (Reissue)**

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/ks

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

cc: Vera Fischer  
Delta Environmental  
175 Bernal Rd., Suite 200  
San Jose, CA 95119



**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**5251 Hopyard 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 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	01/25/1991	2,500	1,500	460	<25	130	36	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	04/06/1991	6,700	2,600a	2,600	14	580	250	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	07/24/1991	8,800	3,800a	2,300	30	640	220	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	10/18/1991	12,000	3,300a	3,600	380	990	580	NA	NA	NA	NA	NA	NA	326.73	8.85	317.88	NA
S-1	01/23/1992	1,600	890	450	3	120	17	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	04/27/1992	1,100g	500a	610	<10	110	10	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	07/21/1992	5,100	290c	1,900	54	460	140	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	10/16/1992	13,000	390c	3,200	310	780	360	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	01/23/1993	2,300	30d	640	<5	110	13	NA	NA	NA	NA	NA	NA	326.73	7.96	318.77	NA
S-1	04/28/1993	4,600	390	780	<0.5	250	<0.5	NA	NA	NA	NA	NA	NA	326.73	9.07	317.66	NA
S-1	09/22/1993	3,000	610a	660	28	160	17	NA	NA	NA	NA	NA	NA	326.73	8.68	318.05	NA
S-1	12/08/1993	520	280	210	<2.5	49	<2.5	NA	NA	NA	NA	NA	NA	326.73	8.23	318.50	NA
S-1	03/04/1994	640	NA	190	1.4	18	1.3	NA	NA	NA	NA	NA	NA	326.73	8.81	317.92	NA
S-1 (D)	03/04/1994	640	NA	180	1.7	17	1.3	NA	NA	NA	NA	NA	NA	326.73	8.81	317.92	NA
S-1	06/16/1994	2,500	NA	390	9.5	31	7.5	NA	NA	NA	NA	NA	NA	326.73	8.80	317.93	NA
S-1 (D)	06/16/1994	2,000	NA	410	7.8	120	20	NA	NA	NA	NA	NA	NA	326.73	8.80	317.93	NA
S-1	09/13/1994	1,400	NA	310	7.7	29	8.5	NA	NA	NA	NA	NA	NA	326.73	8.62	318.11	NA
S-1 (D)	09/13/1994	1,400	NA	240	7.9	44	6.3	NA	NA	NA	NA	NA	NA	326.73	8.62	318.11	NA
S-1	05/05/1995	800	NA	120	3.6	26	2.7	NA	NA	NA	NA	NA	NA	326.73	11.54	315.19	NA
S-1 (D)	05/05/1995	710	NA	110	3.4	19	2.7	NA	NA	NA	NA	NA	NA	326.73	11.54	315.19	NA
S-1	05/21/1996	1,500	NA	170	8.5	120	6.7	NA	NA	NA	NA	NA	NA	326.73	8.88	317.85	NA
S-1	05/12/1997	4,700	NA	200	15	210	20	2,300	NA	NA	NA	NA	NA	326.73	11.19	315.54	2.4
S-1 (D)	05/12/1997	4,800	NA	210	16	190	16	3,200	2,900	NA	NA	NA	NA	326.73	11.19	315.54	2.4
S-1	05/08/1998	500	NA	18	2.1	2.3	2	1,000	NA	NA	NA	NA	NA	326.73	8.38	318.35	2.1
S-1	06/27/1999	2,970	NA	117	32.0	69.1	17.5	374	NA	NA	NA	NA	NA	326.73	8.79	317.94	2.4
S-1	04/28/2000	1,920	NA	50.5	15.0	67.2	46.7	276	NA	NA	NA	NA	NA	326.73	8.50	318.23	2.8

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**5251 Hopyard 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 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-1	05/30/2001	3,900	NA	27	12	140	28	NA	140	NA	NA	NA	NA	326.73	8.18	318.55	2.6
S-1	06/17/2002	2,700	NA	25	11	51	14	NA	140	NA	NA	NA	NA	326.73	8.39	318.34	3.2
S-1	05/30/2003	3,900	NA	12	8.2	47	12	NA	270	NA	NA	NA	NA	326.74	7.41	319.33	1.2
S-1	05/03/2004	3,700	NA	32	21	170	34	NA	410	NA	NA	NA	NA	326.74	11.18	315.56	2.4
S-1	01/14/2005	4,200	NA	22	34	380	33	NA	100	NA	NA	NA	NA	326.74	7.10	319.64	0.58
S-1	05/05/2005	5,000	NA	33	110	970	210	NA	190	<0.50	<0.50	0.95	630	326.74	11.32	315.42	NA
<b>S-1</b>	<b>08/05/2005</b>	<b>4,600</b>	<b>NA</b>	<b>32</b>	<b>52</b>	<b>420</b>	<b>69</b>	<b>NA</b>	<b>110</b>	<b>&lt;40</b>	<b>&lt;40</b>	<b>&lt;40</b>	<b>410</b>	<b>326.74</b>	<b>9.04</b>	<b>317.70</b>	<b>NA</b>
<b>S-1</b>	<b>09/16/2005</b>	<b>3,300</b>	<b>NA</b>	<b>14</b>	<b>28</b>	<b>280</b>	<b>43</b>	<b>NA</b>	<b>60</b>	<b>51</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>260</b>	<b>326.74</b>	<b>11.37</b>	<b>315.37</b>	<b>NA</b>

S-2	01/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	04/16/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	07/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	10/18/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	8.83	317.76	NA
S-2	01/23/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	04/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	07/17/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	01/23/1993	<50	140b	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	8.10	318.49	NA
S-2	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	9.06	317.53	NA
S-2	09/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.59	8.91	317.68	NA
S-2	12/08/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.59	9.07	317.52	NA
S-2	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.59	8.90	317.69	NA
S-2	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.59	8.98	317.61	NA
S-2	09/13/1994	<50	NA	<0.5	2.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	8.78	317.81	NA
S-2	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	8.60	317.99	NA
S-2	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.59	8.75	317.84	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**5251 Hopyard 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 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
---------	------	----------------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	----------------	----------------	----------------	---------------	--------------	----------------------------	--------------------------	------------------------

S-2	05/12/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	326.59	8.72	317.87	3.4
S-2	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	326.59	8.63	317.96	3.1
S-2	06/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	326.59	8.79	317.80	2.6
S-2	04/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	326.59	8.33	318.26	2.0
S-2	05/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	326.59	8.56	318.03	1.8
S-2	06/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	326.59	8.87	317.72	i
S-2	05/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	18	NA	NA	NA	NA	326.47	7.89	318.58	1.7
S-2	05/03/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	510	NA	NA	NA	NA	326.47	5.44	321.03	0.1
S-2	01/14/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	270	NA	NA	NA	NA	326.47	7.88	318.59	NA
S-2	05/05/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	280	<0.50	<0.50	0.55	8.9 j	326.47	8.14	318.33	NA
<b>S-2</b>	<b>08/05/2005 I</b>	<b>&lt;50</b>	<b>NA</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>NA</b>	<b>320</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>510</b>	<b>326.47</b>	<b>8.24</b>	<b>318.23</b>	<b>NA</b>
<b>S-2</b>	<b>09/16/2005</b>	<b>&lt;250</b>	<b>NA</b>	<b>&lt;2.5</b>	<b>&lt;2.5</b>	<b>&lt;2.5</b>	<b>&lt;5.0</b>	<b>NA</b>	<b>320</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>1,800</b>	<b>326.47</b>	<b>8.06</b>	<b>318.41</b>	<b>NA</b>

S-3	01/25/1991	870	330	230	<2.5	130	<2.5	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	04/16/1991	190	140a	12	0.8	6.2	1.5	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	07/24/1991	1,700	1,200a	450	4.4	150	2.9	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	10/18/1991	1,900	500	370	3.1	120	220	NA	NA	NA	NA	NA	NA	327.38	9.64	317.74	NA
S-3	01/23/1992	2,000	650a	580	3	200	<0.5	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	04/27/1992	1,100	230a	150	<3	76	14	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	07/17/1992	810	58	200	<2.5	57	3.8	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	10/16/1992	440	190c	79	1.8	18	4.6	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	01/23/1993	670	170d	79	1.5	46	15	NA	NA	NA	NA	NA	NA	327.38	8.81	318.57	NA
S-3	04/28/1993	2,000	<50	300	3.4	210	38	NA	NA	NA	NA	NA	NA	327.38	9.87	317.51	NA
S-3	09/22/1993	4,800	670a	2,000	34	150	51	NA	NA	NA	NA	NA	NA	327.38	9.65	317.73	NA
S-3	12/08/1993	1,200	11	440	<5.0	120	29	NA	NA	NA	NA	NA	NA	327.38	9.26	318.12	NA
S-3	03/04/1994	630	NA	130	<0.5	17	0.8	NA	NA	NA	NA	NA	NA	327.38	9.64	317.74	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**5251 Hopyard 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 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-3	06/16/1994	1,800	NA	430	19	35	21	NA	NA	NA	NA	NA	NA	327.38	9.78	317.60	NA
S-3	05/05/1995	160	NA	50	0.9	7.2	4.1	NA	NA	NA	NA	NA	NA	327.38	9.38	318.00	NA
S-3	05/21/1996	270	NA	45	<0.5	1.4	<0.5	NA	NA	NA	NA	NA	NA	327.38	9.41	317.97	NA
S-3 (D)	05/21/1996	210	NA	<0.5	<0.5	0.95	<0.5	NA	NA	NA	NA	NA	NA	327.38	9.41	317.97	NA
S-3	05/12/1997	420	NA	<1.0	<1.0	<1.0	<1.0	57	NA	NA	NA	NA	NA	327.38	9.30	318.08	2.5
S-3	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	327.38	9.12	318.26	2.2
S-3	06/27/1999	106	NA	8.51	<0.500	<0.500	<0.500	31.0	NA	NA	NA	NA	NA	327.38	9.39	317.99	2.1
S-3	04/28/2000	139	NA	7.58	<0.500	<0.500	<0.500	42.6	NA	NA	NA	NA	NA	327.38	9.04	318.34	1.8
S-3	05/30/2001	2,200	NA	510	6.9	100	21	NA	33	NA	NA	NA	NA	327.38	9.19	318.19	2.0
S-3	06/17/2002	600	NA	150	2.1	30	11	NA	36	NA	NA	NA	NA	327.38	9.35	318.03	0.1
S-3	05/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	9.0	NA	NA	NA	NA	327.04	8.39	318.65	1.2
S-3	05/03/2004	61 k	NA	0.90	<0.50	<0.50	<1.0	NA	9.8	NA	NA	NA	NA	327.04	8.73	318.31	1.2
S-3	01/14/2005	94	NA	4.6	<0.50	3.1	1.0	NA	13	NA	NA	NA	NA	327.04	8.00	319.04	NA
S-3	05/05/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.7	<0.50	<0.50	<0.50	<5.0	327.04	8.31	318.73	NA
<b>S-3</b>	<b>08/05/2005 I</b>	<b>&lt;50</b>	<b>NA</b>	<b>0.51</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>NA</b>	<b>6.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>42</b>	<b>327.04</b>	<b>8.32</b>	<b>318.72</b>	<b>NA</b>
<b>S-3</b>	<b>09/16/2005</b>	<b>&lt;50</b>	<b>NA</b>	<b>0.62</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>NA</b>	<b>7.9</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;5.0</b>	<b>327.04</b>	<b>8.29</b>	<b>318.75</b>	<b>NA</b>

S-4	01/25/1991	<50	<50	<0.5	1.5	<0.5	2.8	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	04/16/1991	<50	0.7	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	07/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	10/18/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	8.82	318.56	NA
S-4	01/23/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	04/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	07/17/1992	<500	74	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	10/16/1992	<500	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	01/23/1993	<500	94b	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	8.32	319.06	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-4	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	9.76	317.62	NA
S-4	09/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.30	318.08	NA
S-4	12/08/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.74	317.64	NA
S-4	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.60	317.78	NA
S-4	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.42	317.96	NA
S-4	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	9.02	318.36	NA
S-4	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.38	9.29	318.09	NA
S-4	05/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	140	NA	NA	NA	NA	NA	327.38	7.95	319.43	2.5
S-4	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	250	NA	NA	NA	NA	NA	327.38	8.96	318.42	2.0
S-4	06/27/1999	303	NA	35.8	24.8	12.4	69.8	106	NA	NA	NA	NA	NA	327.38	8.90	318.48	2.6
S-4	04/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	40.2	NA	NA	NA	NA	NA	327.38	8.37	319.01	1.9
S-4	05/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	6.8	NA	NA	NA	NA	327.38	8.83	318.55	1.8
S-4	06/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	31	NA	NA	NA	NA	327.38	9.37	318.01	4.8
S-4	05/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	130	NA	NA	NA	NA	327.24	8.46	318.78	1.4
S-4	05/03/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	170	NA	NA	NA	NA	327.24	8.70	318.54	1.1
S-4	01/14/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	25	NA	NA	NA	NA	327.24	8.17	319.07	NA
S-4	05/05/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	15	<0.50	<0.50	<0.50	<5.0	327.24	8.25	318.99	NA
<b>S-4</b>	<b>08/05/2005</b>	<b>&lt;50</b>	<b>NA</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>NA</b>	<b>6.1</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;5.0</b>	<b>327.24</b>	<b>8.14</b>	<b>319.10</b>	<b>NA</b>

S-5	01/25/1991	<50	<50	<0.5	<0.5	<0.5	0.7	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	04/16/1991	<50	<50	<0.5	<0.5	<0.5	0.8	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	07/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	10/18/1991	120e	<50	4.3	<0.5	1	0.7	NA	NA	NA	NA	NA	NA	327.76	10.00	317.76	NA
S-5	01/23/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	04/27/1992	50	<50	<0.5	<0.5	<0.5	0.6	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	07/17/1992	<50	70	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**5251 Hopyard 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 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-5	10/16/1992	230	57	13	<0.5	4.9	4.3	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	01/23/1993	<50	150b	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	8.88	318.88	NA
S-5	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	10.20	317.56	NA
S-5	09/22/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	9.92	317.84	NA
S-5	12/08/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	10.19	317.57	NA
S-5	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	9.95	317.81	NA
S-5	06/16/1994	<50	NA	0.9	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	10.02	317.74	NA
S-5	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	9.58	318.18	NA
S-5	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	327.76	9.84	317.92	NA
S-5	05/12/1997	360	NA	3.3	<0.50	17	9.8	130	NA	NA	NA	NA	NA	327.76	9.16	318.60	4.2
S-5	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	92	NA	NA	NA	NA	NA	327.76	9.25	318.51	3.8
S-5 (D)	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	100	NA	NA	NA	NA	NA	327.76	9.25	318.51	3.8
S-5	06/27/1999	223	NA	13.7	12.9	8.20	45.8	106	NA	NA	NA	NA	NA	327.76	9.39	318.37	3.0
S-5	04/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	255	NA	NA	NA	NA	NA	327.76	9.43	318.33	1.2
S-5	05/30/2001	<100	NA	<1.0	<1.0	<1.0	<1.0	NA	480	NA	NA	NA	NA	327.76	9.47	318.29	1.1
S-5	06/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	210	NA	NA	NA	NA	327.76	9.74	318.02	0.2
S-5	05/30/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	450	NA	NA	NA	NA	327.43	8.87	318.56	1.7
S-5	05/03/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	470	NA	NA	NA	NA	327.43	9.10	318.33	0.7
S-5	01/14/2005	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	230	NA	NA	NA	NA	327.43	8.43	319.00	NA
S-5	05/05/2005	76	NA	16	<0.50	<0.50	<0.50	NA	120	<0.50	<0.50	<0.50	630	327.43	8.71	318.72	NA
<b>S-5</b>	<b>08/05/2005 I</b>	<b>1,900</b>	<b>NA</b>	<b>57</b>	<b>7.5</b>	<b>22</b>	<b>17</b>	<b>NA</b>	<b>240</b>	<b>&lt;4.0</b>	<b>&lt;4.0</b>	<b>&lt;4.0</b>	<b>480</b>	<b>327.43</b>	<b>8.90</b>	<b>318.53</b>	<b>NA</b>
<b>S-5</b>	<b>09/16/2005</b>	<b>1,400</b>	<b>NA</b>	<b>87</b>	<b>2.0</b>	<b>7.8</b>	<b>5.8</b>	<b>NA</b>	<b>75</b>	<b>&lt;4.0</b>	<b>&lt;4.0</b>	<b>&lt;4.0</b>	<b>630</b>	<b>327.43</b>	<b>8.84</b>	<b>318.59</b>	<b>NA</b>

S-6	01/25/1991	<50	<50	<0.5	1.7	<0.5	2.8	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	04/16/1991	<50	<50	<0.5	<0.5	<0.5	0.6	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	07/24/1991	<50	<50	<0.5	<0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA

**WELL CONCENTRATIONS**  
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-6	10/18/1991	<50	<50	<0.5	<0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	326.56	8.84	317.22	NA
S-6	01/23/1992	<50	<50	<0.5	<0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	04/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	07/17/1992	400	130	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	01/23/1993	<50	230b	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	7.82	318.74	NA
S-6	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	9.00	317.56	NA
S-6	09/22/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	8.61	317.96	NA
S-6	12/08/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	10.02	316.54	NA
S-6	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	8.88	317.68	NA
S-6	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	9.04	317.52	NA
S-6	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	8.54	318.02	NA
S-6	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.56	8.62	317.94	NA
S-6	05/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	326.56	8.60	317.96	2.6
S-6	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	326.56	7.90	318.66	2.2
S-6	06/27/1999	430	NA	50.1	30.5	15.2	83.5	8.05	NA	NA	NA	NA	NA	326.56	8.01	318.55	2.3
S-6	04/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	326.56	8.84	317.72	2.0
S-6	05/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	326.56	8.54	318.02	1.9
S-6	06/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	326.56	8.48	318.08	1.3
S-6	05/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	8.7	NA	NA	NA	NA	326.35	7.36	318.99	1.0
S-6	05/03/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	326.35	8.08	318.27	0.9
S-6	01/14/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	326.35	7.38	318.97	NA
S-6	05/05/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<5.0	326.35	7.55	318.80	NA
<b>S-6</b>	<b>08/05/2005</b>	<b>&lt;50</b>	<b>NA</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>NA</b>	<b>&lt;0.50</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;5.0</b>	<b>326.35</b>	<b>7.61</b>	<b>318.74</b>	<b>NA</b>
S-7	01/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA

**WELL CONCENTRATIONS**  
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-7	04/16/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	07/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	10/18/1991	<50	140f	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	8.92	317.57	NA
S-7	01/23/1992	<50	140f	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	04/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	07/17/1992	<50	<50	<0.5	1.8	0.6	4.1	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	01/23/1993	<50	110b	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	8.06	318.43	NA
S-7	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	8.94	317.55	NA
S-7	09/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.49	8.57	317.92	NA
S-7	12/08/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.49	9.00	317.49	NA
S-7	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.49	8.96	317.53	NA
S-7	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.49	9.12	317.37	NA
S-7	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	8.58	317.91	NA
S-7	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	326.49	8.64	317.85	NA
S-7	05/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	326.49	8.74	317.75	2.3
S-7	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	326.49	8.00	318.49	2.5
S-7	06/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	326.49	8.75	317.74	2.9
S-7	04/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	326.49	8.96	317.53	2.2
S-7	05/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	326.49	8.65	317.84	2.0
S-7	06/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	326.49	8.55	317.94	2.3
S-7	05/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	NA	326.36	7.88	318.48	1.8
S-7	05/03/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	100	NA	NA	NA	NA	326.36	8.30	318.06	1.2
S-7	01/14/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	41	NA	NA	NA	NA	326.36	7.70	318.66	NA
S-7	05/05/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	91	<0.50	<0.50	6.8	<5.0	326.36	7.60	318.76	NA
<b>S-7</b>	<b>08/05/2005</b>	<b>&lt;50</b>	<b>NA</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>NA</b>	<b>100</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>7.5</b>	<b>&lt;5.0</b>	<b>326.36</b>	<b>8.42</b>	<b>317.94</b>	<b>NA</b>



**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**5251 Hopyard 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 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-8	01/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	04/16/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	07/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	10/18/1991	<50	360f	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	7.62	317.70	NA
S-8	01/23/1992	<50	90	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	04/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	07/17/1992	53	<50	<0.5	1	<0.5	1.8	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	01/23/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	7.00	318.32	NA
S-8	04/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	7.77	317.55	NA
S-8	09/22/1993	<50	160	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	7.67	317.65	NA
S-8	12/08/1993	<50	210	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	7.76	317.56	NA
S-8	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	7.66	317.66	NA
S-8	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	7.78	317.54	NA
S-8	05/05/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	7.42	317.90	NA
S-8	05/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	325.32	7.50	317.82	NA
S-8	05/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	325.32	7.56	317.76	1.6
S-8	05/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	325.32	7.64	317.68	2.0
S-8	06/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	325.32	7.75	317.57	2.3
S-8	04/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	325.32	8.02	317.30	1.8
S-8	05/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	325.32	7.34	317.98	1.8
S-8	06/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	325.32	7.45	317.87	1.8
S-8	05/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	14	NA	NA	NA	NA	325.03	7.39	317.64	3.0
S-8	05/03/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	325.03	7.00	318.03	1.0
S-8	01/14/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	325.03	8.65	316.39	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**5251 Hopyard 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 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-8	05/05/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<5.0	325.03	6.73	318.30	NA
<b>S-8</b>	<b>08/05/2005</b>	<b>&lt;50</b>	<b>NA</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>NA</b>	<b>&lt;0.50</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;5.0</b>	<b>325.03</b>	<b>6.93</b>	<b>318.10</b>	<b>NA</b>

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 30, 2001 analyzed by EPA Method 8015.

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

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 30, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**5251 Hopyard 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 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Notes:

a = Compounds detected as TEPH appear to be the less volatile constituents of gasoline.

b = The concentration reported as TEPH primarily due to the presence of a heavier petroleum product.

c = The concentration reported as TEPH due to the presence of a lighter petroleum product.

d = Concentrations reported as diesel includes a heavier petroleum product.

e = Compounds detected within the chromatographic range of TEPH but not characteristic of the standard gasoline pattern.

g = Compounds detected within the chromatographic range of TEPH but not characteristic of the standard diesel pattern.

h = The chromatographic pattern of the purgeable hydrocarbons found in the sample is similar to the pattern of weathered gasoline.

i = DO reading not taken.

j = The results may be biased slightly high.

k = The hydrocarbon reported in the gasoline range does not match the laboratory standard.

l = Extracted out of holding time.

Site surveyed April 16, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

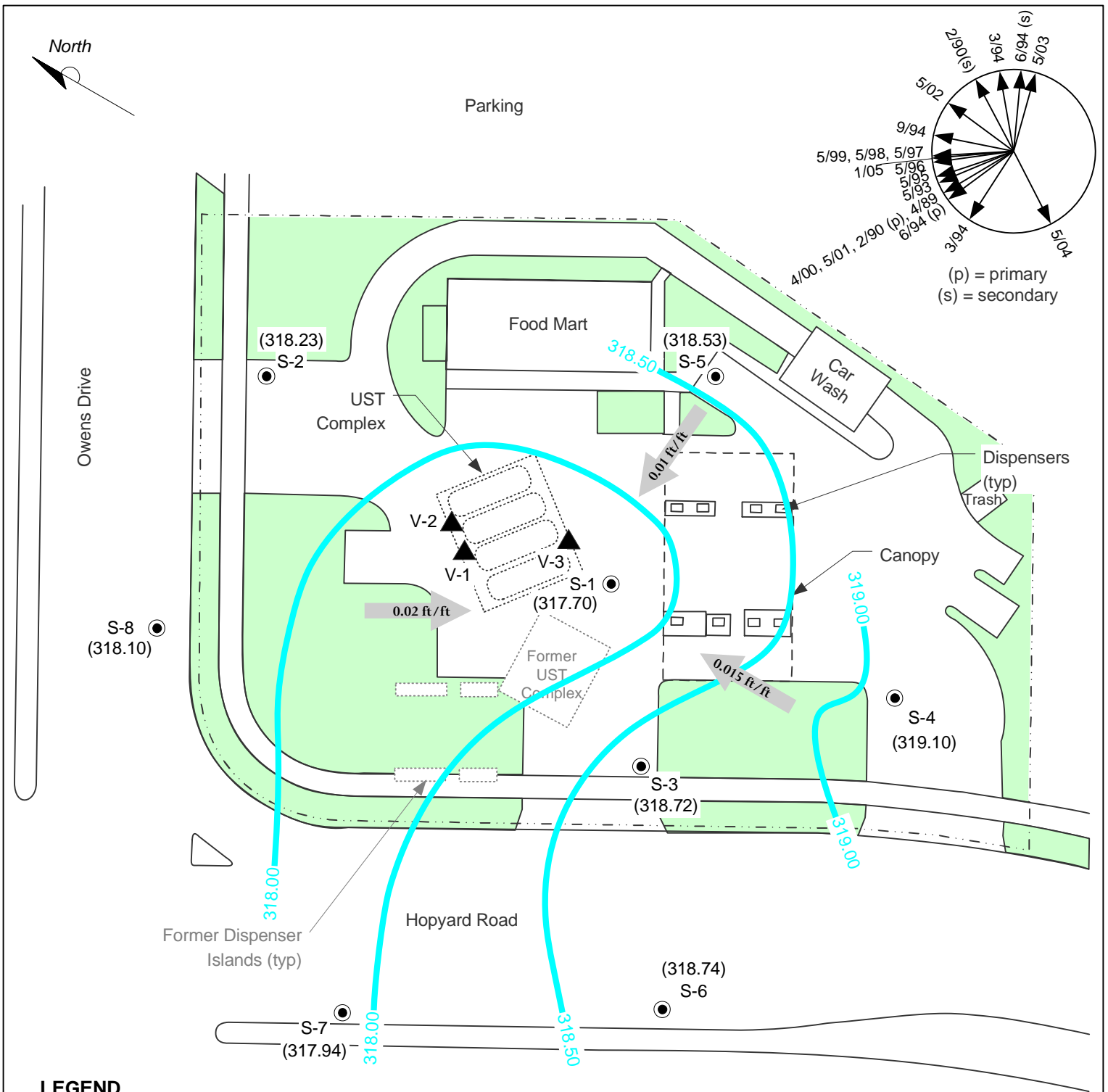
Beginning May 30, 2003, depth to water referenced to Top of Casing elevation.

**Table 2**  
**Summary of Groundwater Analytical Data**  
Shell Service Station  
5251 Hopyard Road  
Dublin, California

Sample Designation	Date Sampled	Depth (feet bg)	TPH-G (ug/l)	TPH-D (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylene (ug/l)	MTBE (ug/l)	TBA (ug/l)	TAME (ug/l)	Lab Notes
<b>Grab Groundwater Samples</b>												
GP-1	8/11/2005	22	<b>38,000</b>	NA	<50	<50	<b>3,100</b>	<b>1,600</b>	<50	<500	<500	
GP-2	8/11/2005	22	<1,000	NA	<10	<10	<10	<20	<b>35</b>	<b>3,900</b>	<40	
GP-3 @ 10'	8/11/2005	10	<50	NA	<0.5	<0.5	<0.5	<1.0	<b>32</b>	<b>190</b>	<2.0	
GP-4	8/11/2005	22	<b>72</b>	NA	<0.5	<0.5	<b>2.6</b>	<b>4.7</b>	<b>28</b>	<5.0	<2.0	
GP-5	8/11/2005	22	<b>570</b>	NA	<0.5	<b>26</b>	<b>75</b>	<b>260</b>	<b>5</b>	<b>20</b>	<2.0	
<b>CPT Groundwater Samples</b>												
CPT- 1 @ 25'	8/31/2005	21 to 25	<50	<50	<0.5	<0.5	<0.5	<1.0	<b>10</b>	<5.0	<2.0	
CPT- 1 @ 52'	8/31/2005	48 to 52	<50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<2.0	
CPT-1 @ 78'	8/31/2005	74 to 78	<50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<2.0	
CPT-2	8/26/2005	17 to 22	<b>DRY</b>									
CPT-2 @ 43'	8/26/2005	38 to 43	<50	<121	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<2.0	H1, S7
CPT-3	8/26/2005	18 to 23	<b>DRY</b>									
CPT-3 @ 46'	8/26/2005	41 to 46	<50	<64	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<2.0	H1,S7
CPT-3	8/26/2005	78 to 82	<b>DRY</b>									

**Notes:**

DRY = insufficient water in borehole for sample.  
ug/l = micrograms per liter  
TPH-G = Total petroleum hydrocarbons as gasoline  
MTBE = Methyl tert-butyl ether  
TBA = tert-Butyl alcohol  
TAME=tert-Amyl methyl ether  
H1 = Extracted out of hold time  
S7 = Diesel surrogate recoveries higher than acceptance limits



**LEGEND**

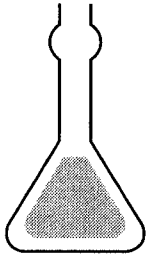
- **GROUNDWATER MONITORING WELL**
- ▲ **SOIL VAPOR EXTRACTION WELL**
- (318.66) **GROUNDWATER ELEVATION (FEET-MSL), 8/5/05**
- 319.00 **GROUNDWATER ELEVATION CONTOUR**
- 0.02 ft/ft **APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT**



**FIGURE 2**  
**GROUNDWATER ELEVATION CONTOUR MAP,**  
**AUGUST 5, 2005**  
**SHELL-BRANDED SERVICE STATION**  
**5251 Hopyard Road**  
**Pleasanton, California**

PROJECT NO. SJ52-51H-1.2005	DRAWN BY V. F. 3/30/05
FILE NO. SJ52-51H-1.2005	PREPARED BY V.F.
REVISION NO. 2	REVIEWED BY





# **TOXICHEM Management Systems, Inc.**

## **Environmental & Occupational Health Services**

11 Kenton Avenue  
San Carlos, California 94070  
(650) 551-0112 / Fax (650) 551-0116

Industrial Hygiene - Exposure Assessment  
Quantitative Risk Assessment  
Compliance Audits  
Real Property Environmental Assessments  
Remedial Investigations  
Air, Soil, and Groundwater Sampling  
Remedial Engineering and Construction  
Regulatory Compliance and Negotiation  
Litigation Support Services

December 16, 2004  
Project EQ-77.1A

## **REPORTS**

Mr. Paul M. Smith  
Livermore-Pleasanton Fire Department  
3560 Nevada Street  
Pleasanton, California 94566

Re: **Dispenser and Piping Replacement Sampling Report**  
Shell-Branded Service Station  
5251 Hopyard Road, Pleasanton, California  
Incident #98995843, SAP Number 135785

Dear Mr. Smith:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), this report prepared by Toxicchem Management Systems, Inc. (TOXICHEM) transmits the results of sampling conducted during station upgrade activities at the site referenced above. Included in this report is a brief discussion of the site description, scope of work, findings, and conclusions.

### **SITE DESCRIPTION**

The operating Shell branded service station site is located at 5251 Hopyard Road in a mixed commercial and residential area of Pleasanton, California (Figure 1). TOXICHEM recently performed a ½ mile radius well survey through the Department of Water Resources and the Zone 7 Water Agency (Figure 1). A total of five existing water wells were reported within a ½ mile radius, all located at least 1,550 feet north of the site (north of Interstate I580). However, upon field inspection, no wells could be observed in the mapped locations. Two wells were listed as being abandoned or destroyed. One of these wells (3S/1E6Q2), an irrigation well was located near the Shell site (approximately 100 to 300 feet southeast) but is listed as being destroyed. Known well details are presented on Tables 1 and 2.

A total of eight groundwater monitoring wells have been installed at the site (five on-site, and three off-site). Groundwater monitoring and sampling of the wells was initiated in January 1991 and has been performed annually during the second quarter since 1995. During the most recent groundwater monitoring event (May 3, 2004), static groundwater occurred within the on-site wells between 5.4 and 11.2 feet below ground surface (bgs) with radial flow from Well S-2 to the southeast. The maximum concentration of petroleum hydrocarbons was present in Well S-1 at 3,700 micrograms per liter (µg/L) total purgeable petroleum hydrocarbons (TPPH), 32 µg/L benzene, 21 µg/L toluene, 170 µg/L ethylbenzene and 34 µg/L total xylenes (BTEX compounds). The maximum concentration of methyl tertiary butyl ether (MtBE) was present in Well S-2 at 510 µg/L during the May 2004 sampling event.

## **SCOPE OF WORK**

The scope of this investigation included the following activities:

- Collect soil samples from beneath the product dispensers, product and vapor piping at the direction of the Livermore-Pleasanton Fire Department (LPPFD).
- Collect groundwater and free product samples from beneath the product piping at the direction of the LPPFD.
- Collect samples of residual materials generated during excavation activities and profile the pea gravel for re-use and the soil for disposal.
- Direct limited overexcavation of hydrocarbon impacted soil.

## **FINDINGS**

### **Product Dispenser Sampling**

Prior to TOXICHEM's arrival on September 20, 2004, Wayne Perry Inc. of Sacramento, California had removed the eight product dispensers and exposed the adjacent product lines to facilitate environmental sampling (Figure 2). At the direction of the LPPFD, TOXICHEM collected soil samples beneath (or adjacent to) each of the eight former product dispensers at between 1.7 and 2.7 feet bgs. Sample locations are shown on Figure 3. Soil analytical data is presented in Table 3 and the certified laboratory analytical report is included in Attachment A. Field procedures are presented as Attachment B.

Due to the presence of a darker stained lense of soil in the vicinity of dispenser DS-2, additional sampling and limited overexcavation was performed at the direction of the LPPFD. At the maximum depth of excavation (3 feet bgs), Sample DS-2E reported 0.012 mg/kg MtBE. The stockpile of soil generated from the limited overexcavation was also sampled at the direction of the LPPFD. This sample (DS-2C) did not contain detected concentrations of petroleum hydrocarbons or oxygenates.

### **Product and Vapor Line Soil and Liquid Sampling**

Prior to TOXICHEM's arrival on September 28, 2004, Wayne Perry Inc. had exposed all product and vapor piping to facilitate environmental sampling. Due to the unavailability of the vacuum truck typically utilized to remove the pea gravel from around the piping, Wayne Perry utilized a backhoe and hand shovels to remove the pea gravel. They had previously purged all the lines, however Wayne Perry pointed out a location where they had ruptured the product line causing a release of gasoline. The gasoline may have been trapped in a low spot in the line and therefore wasn't completely purged. Upon inspection, free product (gasoline) was observed locally within the pea gravel remaining adjacent to the product lines at approximately 3.5 feet bgs. The volume of gasoline released is unknown. Free product was observed in the area of DSV-9 and staining of pea gravel was observed in the area of DSV-14. It appeared that the release was contained within the bottom and sides of the product line trench (Figure 3). The LPPFD directed TOXICHEM to obtain a sample of the gasoline for laboratory analysis (DSW-9d3.5) and collect a soil immediately beneath the product (DSV-9d4.0). Due to unknown electrical conduits running the length of the trench beneath the product lines, immediate overexcavation could not be performed.

Soil sampling was then performed beneath the exposed product and vapor lines under the direction of the LPPFD (Table 1, Figure 3). Additionally, shallow groundwater present on either

end of the east-west trending product line trench was sampled at the request of the LPFD (DSW-11d3.5 and DSW-13d4.5).

### **Overexcavation and Confirmation Sampling**

Prior to TOXICHEM's arrival on September 30, 2004, Wayne Perry Inc. had removed all product piping from the trenches and removed the electrical conduits from beneath the east-west trench (the area of overexcavation). During overexcavation, TOXICHEM screened the immediate vicinity with a lower explosive meter (LEL) and photoionization detector PID to ensure a safe working environment. Overexcavation was performed along the trench screening soils through visual and olfactory observation and with the PID. During overexcavation minor liquid was encountered near the west end of the trench, but upon excavation, saturated into removed soils that were stockpiled on visqueen. The resultant overexcavation measured approximately 50 feet in length and 5 feet in width. Depth varied from 4 feet to 10 feet with details presented on Figure 3. It is estimated that at minimum, 75 cubic yards of soil was overexcavated. Soil samples were then obtained at the maximum extent of excavation, in general within stiff gray clay. Although allowed to remain open, groundwater did not enter the trench even at the maximum depth of 10 feet bgs. Groundwater was measured in Well S-1 at 8.72 feet below the top of casing and no free product was measured utilizing a groundwater interface probe.

### **Soil Analytical Data**

Soil analytical data are summarized below and are presented on Table 3. At the request of the LPFD, all soil samples (including soil stockpile and pea gravel samples) were analyzed for TPPH, BTEX compounds, MtBE, di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), tert-Butyl alcohol (TBA), 1,2-DCA and EDB by EPA Method 8260B and for total lead by EPA Method 6010B. Samples were also selected for TEPH analysis (including the soil stockpile and pea gravel composite samples). The certified analytical reports and chain-of-custody documentation for the soil samples are presented as Attachment A.

- During the dispenser sampling performed on September 20, 2004 eight of the sixteen soil samples collected between 1.7 and 2.7 feet bgs contained detectable concentrations of petroleum hydrocarbons. The maximum concentrations detected are as follows; 360 mg/kg TEPH in DS-3; 470 mg/kg TPPH in DS-6A; 0.012 mg/kg MtBE in DS-2E; 0.017 mg/kg TBA in DS-1A and 5.4 total lead in DS-1B. Neither benzene, nor other additional oxygenate was detected in the dispenser samples collected (Table 3).
- Prior to overexcavation, the maximum concentration of petroleum hydrocarbons in soil reported in a sample collected beneath a product or vapor line was reported in Sample DSV-9 at 4.0 feet bgs. This is the sample collected beneath the observed product and contained 640 mg/kg TEPH, 24,000 mg/kg TPPH, 65 mg/kg benzene and no detectable MtBE (at an elevated detection limit of 13 mg/kg). The maximum concentrations of MtBE and TBA prior to overexcavation were reported in Sample DSV-4 at 3.5 feet bgs at 0.12 mg/kg and 0.065 mg/kg, respectively.
- After overexcavation, confirmation soil samples were collected. The maximum concentrations of TPPH and benzene were reported in Sample DSV-15 at 7 feet bgs at 5.6 mg/kg and 0.088 mg/kg, respectively. The maximum concentrations of MtBE and TBA after overexcavation was



reported in Sample DSV-4 at 5 feet bgs at 0.20 mg/kg and 0.22 mg/kg, respectively.

- Lead was detected in every soil sample analyzed at concentrations ranging from 2.0 mg/kg (DS-5B at 1.7 feet bgs) to 11 mg/kg (DSV-4 at 5 feet bgs).

### **Groundwater and Product Analytical Data**

Groundwater and product analytical data are summarized below and are presented on Table 4. At the request of the LPFD, all liquid samples were analyzed for TPPH, BTEX compounds, MtBE, DIPE, ETBE, TAME, TBA, 1,2-DCA and EDB by EPA Method 8260B. Additionally, the product sample was analyzed for TEPH. The certified analytical reports and chain-of-custody documentation for the soil samples are presented as Attachment A.

- The product observed within the pea gravel was collected and analyzed by the laboratory as directed by the LPFD. The laboratory reported this sample (DSW-9d at 3.5 feet bgs) to contain 84% of its constituents in the gasoline range [840,000,000 (micrograms per kilogram)  $\mu\text{g}/\text{kg}$ ], and 16% (160,000,000  $\mu\text{g}/\text{kg}$ ) in the early diesel range.
- Groundwater sampled at the eastern end of the trench (DSW-11d3.5) contained 1,200  $\mu\text{g}/\text{L}$  TPPH, 120  $\mu\text{g}/\text{L}$  benzene, 5.9  $\mu\text{g}/\text{L}$  MtBE and 35  $\mu\text{g}/\text{L}$  TBA.
- Groundwater sampled at the western end of the trench (DSW-13d4.5) contained 1,300,000  $\mu\text{g}/\text{L}$  TPPH that didn't match the laboratory gasoline standard.

### **Residual Sampling and Disposal Documentation**

During uncovering of the tank tops and product lines, approximately 140 cubic yards of pea gravel were generated and stockpiled on-site. Stockpile samples were collected and analyzed as directed by the LPFD. The analytical results are presented in Table 1 and were submitted via email to the LPFD on October 7, 2004. Wayne Perry Inc. subsequently received approval from the LPFD to reuse the pea gravel to infill the tank pit and excavated trenches.

Native soil excavated during trenching and overexcavation activities was stockpiled on visqueen, sampled and profiled for disposal. New trenches were dug for vent lines and electrical lines. Between October 9 and November 16, 2004, approximately 377 tons of soil was hauled by Manley and Sons Trucking to Forward Landfill in Manteca, California for disposal. Disposal documentation is included in Attachment C.

To facilitate tank top upgrade activities, periodic dewatering was performed by pumping groundwater out of the 12-inch diameter tank backfill well into a temporary storage tank utilizing a trash pump. The tank was emptied periodically by a vacuum truck operated by PSC Industrial Outsourcing, Inc. Approximately 33,749 gallons of groundwater were hauled by PSC to the Shell Oil Products US Martinez Refinery between October 1 and October 27, 2004. Bill of Lading documentation is presented in Attachment C.

All removed piping, sumps and miscellaneous equipment was contained within two bins and transported to ECI under hazardous waste manifest for disposal. Hazardous waste manifests are included in Attachment C.

## CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this investigation, TOXICHEM concludes that:

- The free product observed beneath the east-west product line trench as sampled by DSW-9d3.5 was minimal in extent and was removed (approximately 2 days after occurrence) by overexcavating soils to the maximum extent laterally feasible.
- Overexcavation was performed which removed a minimum of 75 cubic yards of hydrocarbon affected material. Upon completion, the excavated trench remained dry, even to the maximum extent excavated of 10 feet bgs due to the stiff clay nature of the soils.
- A total of approximately 33,749 gallons of groundwater was removed from the UST area.
- Minor concentrations of petroleum hydrocarbons, BTEX compounds, MtBE and TBA remain in soil at the site. The maximum residual concentrations remaining in site soils after overexcavation are 5.6 mg/kg TPPH, 0.088 mg/kg benzene, 0.20 mg/kg MtBE and 0.22 mg/kg TBA.
- An Unauthorized Release Report (URR) was submitted by Shell to the LPPD via email on October 4, 2004. A follow-up multi-copy carbon paper ink-signed original was then submitted on October 12 2004 at the request of the LPPD (a copy is included as Attachment D).
- No known operating water supply wells are located within a ½ mile radius of the site.
- To determine if groundwater has been impacted by the free product release, it is proposed that all wells be sampled for TEPH, TPPH, BTEX compounds, MtBE and TBA in January 2005. Then, based on these results and the scheduled second quarter annual sampling event, a modified sampling schedule will be proposed.

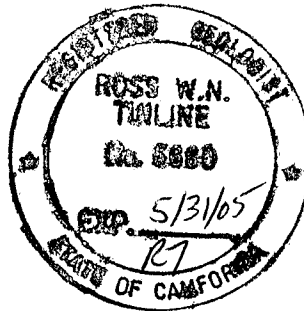
If you have any questions regarding this report, please contact me at (650) 551-0112.

Sincerely,

Toxichem Management Systems, Inc.



Ross Tinline, RG.  
Senior Geologist



Attachments: Table 1 - Well Location Details  
Table 2 - Well Construction Details  
Table 3 - Soil Analytical Data  
Table 4 - Groundwater and Product Analytical Data  
Figure 1 - Site Vicinity and Well Survey Map  
Figure 2 - Site Map

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Figure 3 - Soil Concentration Map

Attachment A - Certified Analytical Reports and Chain-of-Custody  
Documentation

Attachment B Field Procedures

Attachment C Soil, Groundwater and Piping Disposal Documentation

Attachment D Unauthorized Release Report

cc: Bill Merchant, Shell Oil Products US, 9141 E. Stockton Blvd. Ste 250-321,  
Elk Grove, California 95624  
Karen Petryna, Shell Oil Products US, 20945 S. Wilmington, Carson, California 90810  
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Alameda, California 94502

Table 1  
**Well Location Details**  
 Shell-branded Service Station  
 5251 Hopyard Road, Pleasanton

Map Number	Well Number	Source of Information	Well Location	Approximate Distance and Direction from Site (Feet)	Total Depth ft.	Date Installed	Use
6F1	3S/1E - 6F1	Zone 7	See Map	2,400'NNW	NA	NA	Water Well
6F2	3S/1E - 6F2	Zone 7	See Map	2,400'NNW	NA	NA	Water Well
G1	3S/1E - 6G1	Zone 7	See Map	1,550'N	NA	NA	Abandoned Water Well
G4	3S/1E - 6G4	DWR/Zone 7	See Map	2,500'N	192	NA	Water Well
G5	3S/1E - 6G5	DWR/Zone 7	See Map	2,000'NE	200	1969	Water Well
G6	3S/1E - 6G6	Zone 7	See Map	2,200'NNE	NA	NA	Water Well
Q2	3S/1E - 6Q2	Zone 7	See Map	100-300'W	NA	Recorded 1959	Destroyed Irrigation Well

NA = Information Not Available

Table 2  
**Well Construction Details**  
 Shell-branded Service Station  
 5251 Hopyard Road, Pleasanton

Map Number	Total Depth	Depth to Water (ft. bgs)	Casing Type	Casing Diameter (in.)	Screen Interval (ft. bgs)	Gravel Pack Interval (ft. bgs)	Annular Seal Depth (ft. bgs)	Annular Seal Material	Well Construction Method	Driller's log Number	Pumping Test Rate (gpm)	Test Duration (hours)
F1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G4	192	33-72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G5	200	85	NA	NA	103-106 and 173-178	NA	NA	NA	NA	13095	70	NA
G6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA = Information Not Available  
 ft. bgs = Feet below ground surface  
 gpm = Gallons per minute

Table 3  
Soil Analytical Data  
Total Petroleum Hydrocarbons, BTEX Compounds, Oxygenates and Total Lead  
by EPA Method 8260B and 6010B

Shell Branded Service Station  
5251 Hopyard Road, Pleasanton

Boring Number	Depth (feet bgs)	Date Sampled	TEPH (mg/kg)	TPPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	Lead (mg/kg)
<b>DISPENSER SAMPLE SOIL RESULTS</b>																	
DS-1A	2.7	09/20/04	NA	<1.0	<0.005	<b>0.043</b>	<b>0.0071</b>	<b>0.18</b>	<b>0.009</b>	<b>0.017</b>	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>4.3</b>
DS-1B	2.2	09/20/04	NA	<1.0	<0.005	<b>0.011</b>	<0.005	<b>0.064</b>	<b>0.0051</b>	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>5.4</b>
DS-2A	2.7	09/20/04	NA	<b>80</b>	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	<b>4.2</b>
DS-2B	2.5	09/20/04	NA	<b>3.2</b>	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>3.4</b>
DS-2D	N/A	09/20/04	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	<b>4.8</b>
DS-2E	3.0	09/20/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<b>0.012</b>	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>4.3</b>
DS-3	2.0	09/20/04	<b>360</b>	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	NA
DS-4A	2.0	09/20/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>4.1</b>
DS-4B	2.0	09/20/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>3.3</b>
DS-5A	2.5	09/20/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>3.0</b>
DS-5B	1.7	09/20/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>2.0</b>
DS-6A	2.3	09/20/04	NA	<b>470</b>	<0.50	<0.50	<0.50	<b>1.4</b>	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	<b>3.1</b>
DS-6B	2.3	09/20/04	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	<b>3.3</b>
DS-7	1.8	09/20/04	<b>11</b>	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	NA
DS-8A	2.2	09/20/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>4.1</b>
DS-8B	2.3	09/20/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>4.6</b>
<b>PRODUCT PIPING AND VAPOR RECOVERY PIPING SOIL RESULTS</b>																	
DSV2	2.5	09/28/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<b>0.027</b>	<b>0.010</b>	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>4.0</b>
DSV-4	3.5	09/28/04	NA	<1.0	<b>0.0057</b>	<0.005	<0.005	<0.005	<b>0.12</b>	<b>0.065</b>	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>3.4</b>
	5.0	10/06/04	NA	<1.0	<b>0.016</b>	<0.005	<0.005	<0.005	<b>0.20</b>	<b>0.22</b>	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>11</b>
DSV-5	2.0	09/28/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>5.2</b>
DSV-6	2.0	09/28/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<b>0.0087</b>	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>4.3</b>
DSV-8	3.0	09/28/04	NA	<b>1.5</b>	<0.005	<0.005	<0.005	<0.005	<b>0.043</b>	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>2.6</b>
DSV-9	4.0	09/28/04	<b>640</b>	<b>24,000</b>	<b>65</b>	<b>1,300</b>	<b>350</b>	<b>2,300</b>	<13	<63	<25	<13	<13	<13	<13	<630	<b>5.4</b>
	10	09/30/04	NA	<2.0	<0.010	<0.010	<0.010	<0.010	<b>0.053</b>	<b>0.083</b>	<0.020	<0.010	<0.010	<0.010	<0.010	NA	<b>4.3</b>
DSV-10	3.7	09/28/04	NA	<1.0	<b>0.034</b>	<0.005	<0.005	<0.005	<b>0.064</b>	<b>0.013</b>	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>5.5</b>
DSV-11	3.5	09/28/04	NA	<1.0	<0.005	<b>0.018</b>	<b>0.0051</b>	<b>0.029</b>	<b>0.035</b>	<b>0.020</b>	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>5.0</b>
DSV-12	4.3	09/28/04	NA	<4.8	0.026	0.26	0.037	0.16	<0.024	<0.048	<0.048	<0.024	<0.024	<0.024	<0.024	NA	<b>5.7</b>

Table 3  
Soil Analytical Data  
Total Petroleum Hydrocarbons, BTEX Compounds, Oxygenates and Total Lead  
by EPA Method 8260B and 6010B

Shell Branded Service Station  
5251 Hopyard Road, Pleasanton

Boring Number	Depth (feet bgs)	Date Sampled	TEPH (mg/kg)	TPPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	Lead (mg/kg)
DSV-13	4.0	09/28/04	NA	<1.0	<b>0.025</b>	<0.005	<0.005	<0.005	<b>0.085</b>	<b>0.047</b>	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>8.8</b>
	5.5	09/30/04	NA	<2.0	<b>0.030</b>	<b>0.012</b>	<0.010	<b>0.020</b>	<b>0.054</b>	<b>0.030</b>	<0.020	<0.010	<0.010	<0.010	<0.010	NA	<b>7.3</b>
DSV-14	4.5	09/30/04	NA	<2.0	<0.010	<0.010	<0.010	<0.010	<b>0.092</b>	<b>0.12</b>	<0.020	<0.010	<0.010	<0.010	<0.010	NA	<b>5.9</b>
DSV-15	5.0	09/30/04	NA	<2.0	<b>0.087</b>	<0.010	<0.010	<0.010	<b>0.17</b>	<b>0.086</b>	<0.020	<0.010	<0.010	<0.010	<0.010	NA	<b>6.2</b>
	7.0	10/06/04	NA	<b>5.6</b>	<b>0.088</b>	<b>0.0065</b>	<b>0.20</b>	<b>0.023</b>	<b>0.024</b>	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>5.8</b>
<b>SOIL STOCKPILE RESULTS</b>																	
DS-2C		09/20/04	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	<b>3.8</b>
SP-1 (A-D)		09/30/04	<b>23</b>	<b>7.4</b>	<b>0.043</b>	<b>0.89</b>	<b>0.20</b>	<b>1.4</b>	<b>0.030</b>	<0.035	<0.035	<0.018	<0.018	<0.018	<0.018	NA	<b>6.1</b>
<b>PEA GRAVEL STOCKPILE RESULTS</b>																	
EX-1		09/20/04	NA	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.1	<b>6.8</b>
PG-1 (A-D)		09/30/04	<b>25</b>	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>3.8</b>
PG-2 (A-D)		09/30/04	<b>8.1</b>	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>2.5</b>
PG-1.1 (A-D)		09/30/04	<b>6.1</b>	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>3.6</b>
PG-2.1 (A-D)		09/30/04	<b>14</b>	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>1.8</b>
PG-2.2 (A-D)		09/30/04	<b>7.7</b>	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>3.1</b>
PG-2.3 (A-D)		09/30/04	<b>12</b>	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>1.5</b>
PG-2.4 (A-D)		09/30/04	<b>26</b>	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	<b>2.7</b>

TPEH = Total purgeable extractable hydrocarbons  
 TPPH = Total purgeable petroleum hydrocarbons  
 MtBE = Methyl tert-butyl ether  
 TBA = Tertiary butyl alcohol, or t-butanol  
 DIPE = Di-isopropyl ether  
 ETBE = Ethyl tertiary-butyl ether  
 TAME = Tertiary amyl methyl ether  
 1,2-DCA = 1,2-Dichloroethane, or ethylene dichloride (EDC)  
 EDB = Ethylene dibromide  
 mg/kg = Milligrams per kilogram  
 bgs = Below ground surface  
 NA = Not analyzed

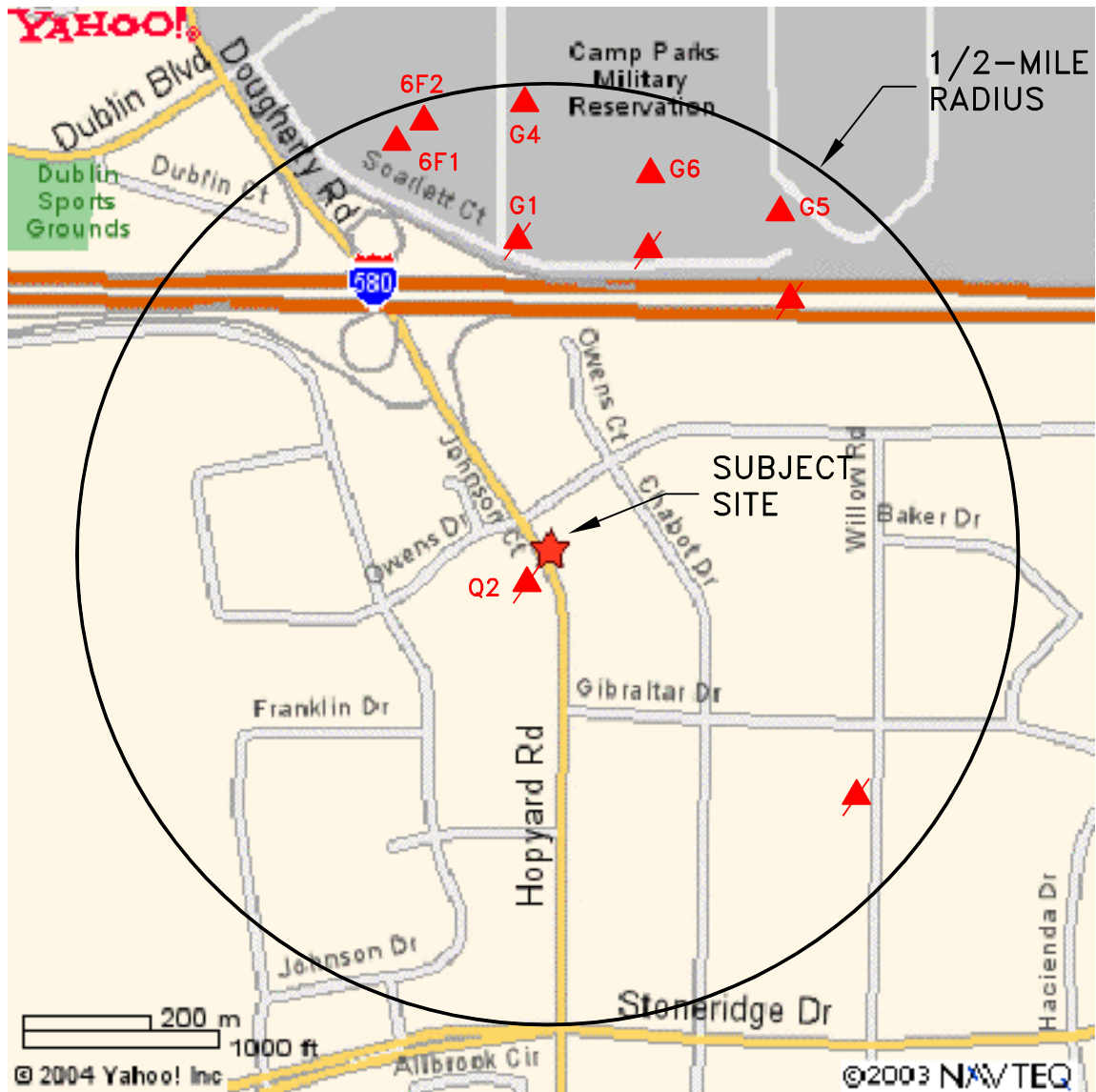
Table 4  
Groundwater and Product Analytical Data  
Total Petroleum Hydrocarbons, BTEX Compounds and Oxygenates  
by EPA Method 8260B



Shell Branded Service Station  
5251 Hopyard Road, Pleasanton

Boring Number	Depth (feet bgs)	Date Sampled	TEPH (µg/L)	TPPH (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
<b>Groundwater</b>															
DSW-11	3.5	09/28/04	NA	1,200	120	290	11	84	5.9	35	<10	<10	<10	<2.5	<2.5
DSW-13	4.5	09/28/04	NA	1,300,000	<250	<250	<250	<500	<250	<2,500	<1,000	<1,000	<1,000	<250	<250
<b>Product</b>															
DSW-9*	3.5	09/28/04	160,000	840,000,000	NA	NA	NA	NA	<380,000	<3,800,000	<770,000	<380,000	<380,000	<5,000	<5,000

TEPH = Total purgeable extractable hydrocarbon  
 TPPH = Total purgeable petroleum hydrocarbon  
 MtBE = Methyl tert-butyl ether  
 TBA = Tertiary butyl alcohol, or t-butanol  
 DIPE = Di-isopropyl ether  
 ETBE = Ethyl tertiary-butyl ether  
 TAME = Tertiary amyl methyl ether  
 1,2-DCA = 1,2-Dichloroethane, or ethylene dichloride (EDC)  
 EDB = Ethylene dibromide  
 µg/L = Micrograms per liter  
 bgs = Below ground surface  
 NA = Not analyzed  
 \* = Product sample in micrograms per kilogram





- EXPLANATION**
-  APPROXIMATE LOCATION OF PRODUCTION WELL (STATUS UNKNOWN)
  -  DESTROYED WATER WELL

Ref. EQ-77.2a/WELL SURVEY.DWG  
Basemap from Yahoo Maps, July 2004

PREPARED BY



**TOXICHEM  
Management  
Systems, Inc.**

Environmental & Occupational Health Services

**Shell-Branded Service Station**  
5251 Hopyard Road  
Pleasanton, California

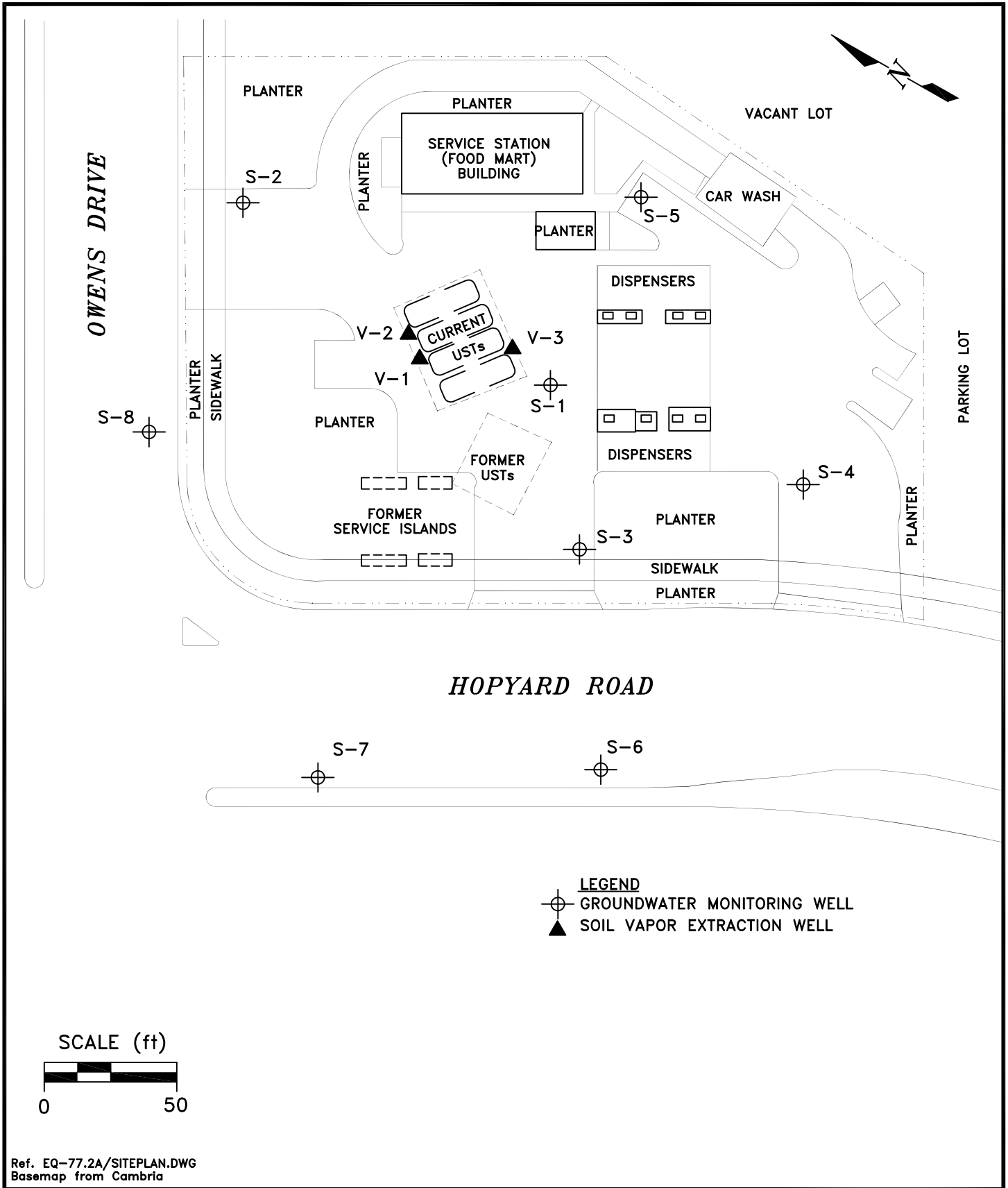
**SITE VICINITY AND WELL SURVEY MAP**


FIGURE:

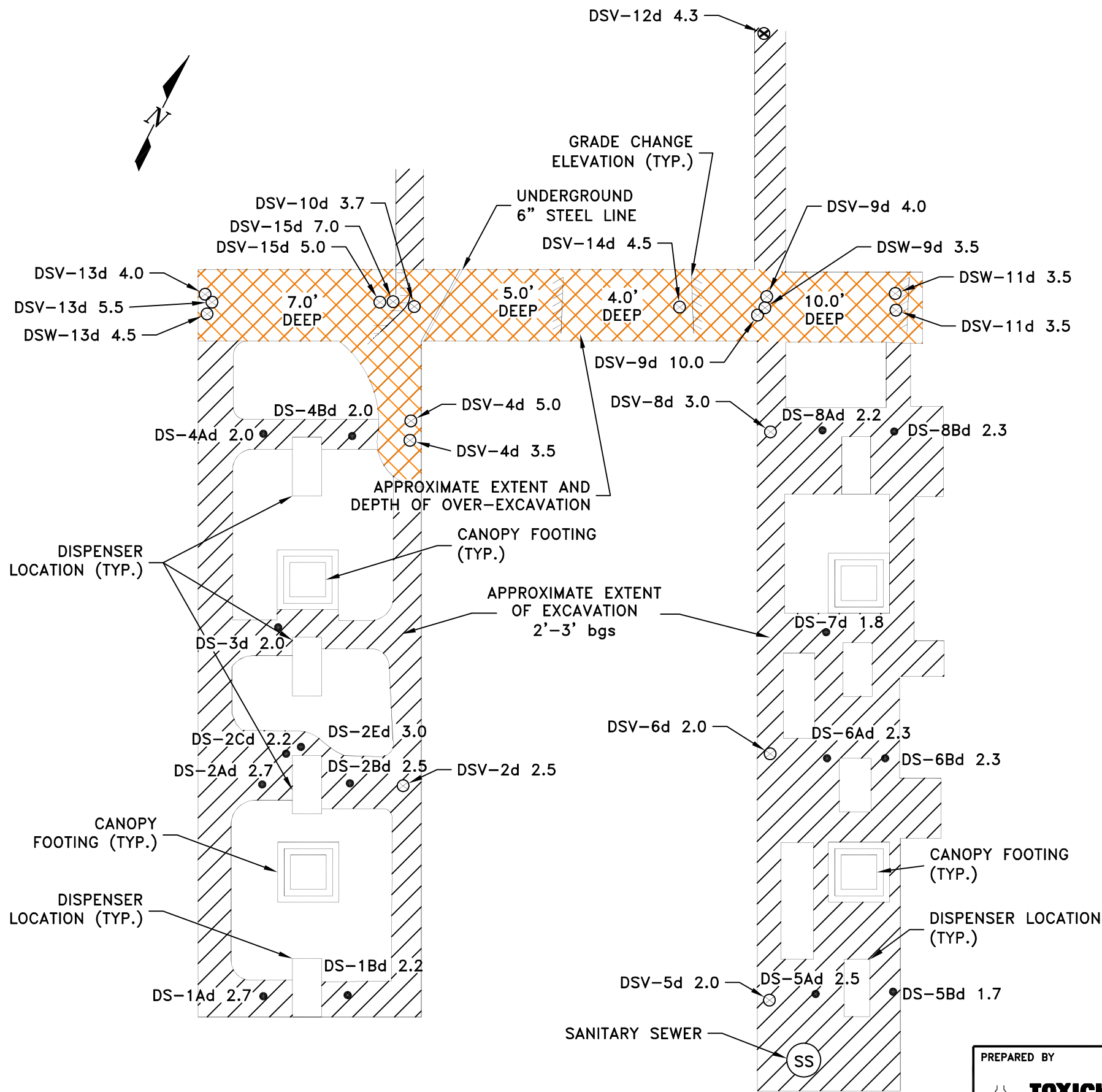
1



PROJECT:

EQ-77

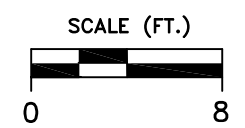


PREPARED BY  <b>TOXICHEM Management Systems, Inc.</b> Environmental & Occupational Health Services	<b>Shell-Branded Service Station</b> 5251 Hopyard Road Pleasanton, California	<b>FIGURE:</b> <b>2</b>
	<b>SITE MAP</b>	<b>PROJECT:</b> EQ-77.1A




- EXPLANATION**
- DSW-11d 3.5 ⊗ GROUNDWATER SAMPLE LOCATION & DESIGNATION AT DEPTH IN FEET
  - DS-8Bd 2.3 ● DISPENSER SAMPLE LOCATION & DESIGNATION AT DEPTH IN FEET
  - DSV-11d 3.5 ⊗ DISPENSER AND VAPOR LINE SAMPLE LOCATION & DESIGNATION AT DEPTH IN FEET
  -  AREA OF EXCAVATION
  -  AREA OF OVER-EXCAVATION

NOTE SAMPLE DS-2D COLLECTED FROM LIMITED OVER-EXCAVATION OF LENSE IN DS-2C AREA.



Basemap from field sketch  
Ref. EQ-77.2A/DISPENSER SAMPLE.DWG

PREPARED BY



**TOXICHEM Management Systems, Inc.**  
Environmental & Occupational Health Services

**DISPENSER AREA SAMPLE LOCATION MAP**

Shell-Branded Service Station  
5251 Hopyard Road  
Pleasanton, California

FIGURE:  
**3**  
PROJECT:  
EQ-77.1A

**ATTACHMENT A**

**CERTIFIED ANALYTICAL REPORT AND  
CHAIN-OF-CUSTODY DOCUMENTATION**

**Toxichem Management Systems, Inc-San Jose**

September 29, 2004

11 Kenton Drive  
San Carlos, CA 94070

Attn.: Ross Tinline

Project#: EQ-77.1A

Project: 98995843

Site: 5251 Hopyard Road, Pleasanton

Dear Mr. Tinline

Attached is our report for your samples received on 09/28/2004 17:39

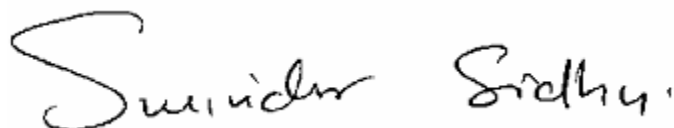
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/12/2004 unless you have requested otherwise.

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

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

Sincerely,



Surinder Sidhu  
Project Manager

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
DSV2 d 2.5	09/28/2004 16:10	Soil	4
DSV-4 d 3.5	09/28/2004 16:15	Soil	5
DSV-5 d 2.0	09/28/2004 13:55	Soil	6
DSV-6 d 2.0	09/28/2004 14:10	Soil	7
DSV-8 d 3.0	09/28/2004 14:30	Soil	8
DSV-9 d 4.0	09/28/2004 15:10	Soil	9
DSV-10 d 3.7	09/28/2004 15:25	Soil	10
DSV-11 d 3.5	09/28/2004 15:40	Soil	11
DSV-12 d 4.3	09/28/2004 16:30	Soil	12
DSV-13 d 4.0	09/28/2004 16:00	Soil	13

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV2 d 2.5</b>	Lab ID: 2004-09-0828 - 4
Sampled: 09/28/2004 16:10	Extracted: 9/29/2004 05:57
Matrix: Soil	QC Batch#: 2004/09/29-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.0	1.0	mg/Kg	1.00	09/29/2004 09:42	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-4 d 3.5</b>	Lab ID: 2004-09-0828 - 5
Sampled: 09/28/2004 16:15	Extracted: 9/29/2004 05:57
Matrix: Soil	QC Batch#: 2004/09/29-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	3.4	1.0	mg/Kg	1.00	09/29/2004 09:50	



**Total Lead**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-5 d 2.0</b>	Lab ID: 2004-09-0828 - 6
Sampled: 09/28/2004 13:55	Extracted: 9/29/2004 05:57
Matrix: Soil	QC Batch#: 2004/09/29-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.2	1.0	mg/Kg	1.00	09/29/2004 10:05	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-6 d 2.0</b>	Lab ID: 2004-09-0828 - 7
Sampled: 09/28/2004 14:10	Extracted: 9/29/2004 05:57
Matrix: Soil	QC Batch#: 2004/09/29-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.3	1.0	mg/Kg	1.00	09/29/2004 10:07	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-8 d 3.0</b>	Lab ID: 2004-09-0828 - 8
Sampled: 09/28/2004 14:30	Extracted: 9/29/2004 05:57
Matrix: Soil	QC Batch#: 2004/09/29-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.6	1.0	mg/Kg	1.00	09/29/2004 10:10	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-9 d 4.0</b>	Lab ID: 2004-09-0828 - 9
Sampled: 09/28/2004 15:10	Extracted: 9/29/2004 05:57
Matrix: Soil	QC Batch#: 2004/09/29-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.4	1.0	mg/Kg	1.00	09/29/2004 10:12	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-10 d 3.7</b>	Lab ID: 2004-09-0828 - 10
Sampled: 09/28/2004 15:25	Extracted: 9/29/2004 05:57
Matrix: Soil	QC Batch#: 2004/09/29-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.5	1.0	mg/Kg	1.00	09/29/2004 10:15	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-11 d 3.5</b>	Lab ID: 2004-09-0828 - 11
Sampled: 09/28/2004 15:40	Extracted: 9/29/2004 05:57
Matrix: Soil	QC Batch#: 2004/09/29-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.0	1.0	mg/Kg	1.00	09/29/2004 10:18	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-12 d 4.3</b>	Lab ID: 2004-09-0828 - 12
Sampled: 09/28/2004 16:30	Extracted: 9/29/2004 05:57
Matrix: Soil	QC Batch#: 2004/09/29-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.7	1.0	mg/Kg	1.00	09/29/2004 10:20	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-13 d 4.0</b>	Lab ID: 2004-09-0828 - 13
Sampled: 09/28/2004 16:00	Extracted: 9/28/2004 17:28
Matrix: Soil	QC Batch#: 2004/09/29-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	8.8	1.0	mg/Kg	1.00	09/29/2004 10:28	



**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 3050B Test(s): 6010B  
**Method Blank** **Soil** **QC Batch # 2004/09/29-02.15**  
 MB: 2004/09/29-02.15-049 Date Extracted: 09/29/2004 05:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	09/29/2004 09:28	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2004/09/29-02.15</b>				
LCS	2004/09/29-02.15-050		Extracted: 09/29/2004			Analyzed: 09/29/2004 09:32				
LCSD	2004/09/29-02.15-051		Extracted: 09/29/2004			Analyzed: 09/29/2004 09:35				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	96.2	95.5	100.0	96.2	95.5	0.7	80-120	20		

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
DSV-9 d 4.0	09/28/2004 15:10	Soil	9

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>DSV-9 d 4.0</b>	Lab ID: 2004-09-0828 - 9
Sampled: 09/28/2004 15:10	Extracted: 9/28/2004 10:28
Matrix: Soil	QC Batch#: 2004/09/28-3B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	640	5.0	mg/Kg	5.00	09/29/2004 12:01	edr
<b>Surrogate(s)</b> o-Terphenyl	NA	60-130	%	5.00	09/29/2004 12:01	sd

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 3550/8015M		Test(s): 8015M			
<b>Method Blank</b>		<b>Soil</b>		<b>QC Batch # 2004/09/28-3B.10</b>	
MB: 2004/09/28-3B.10-001		Date Extracted: 09/28/2004 10:28			
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/28/2004 16:19	
<b>Surrogates(s)</b> o-Terphenyl	79.5	60-130	%	09/28/2004 16:19	

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/09/28-3B.10**

LCS 2004/09/28-3B.10-002

Extracted: 09/28/2004

Analyzed: 09/28/2004 15:24

LCSD 2004/09/28-3B.10-003

Extracted: 09/28/2004

Analyzed: 09/28/2004 15:51

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	29.4	27.6	41.6	70.7	66.3	6.4	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	16.8	17.0	20.0	83.9	85.0		60-130			

## Diesel (C9-C24)

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

### Legend and Notes

#### Result Flag

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

**Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
DSW-9 d 3.5	09/28/2004 14:40	Product	3



**Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>DSW-9 d 3.5</b>	Lab ID: 2004-09-0828 - 3
Sampled: 09/28/2004 14:40	Extracted: 9/29/2004 05:27
Matrix: Product	QC Batch#: 2004/09/29-1A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	160000	3000	mg/Kg	10.00	09/29/2004 11:32	edr
<b>Surrogate(s)</b>						
o-Terphenyl	NA	60-130	%	10.00	09/29/2004 11:32	sd

**Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 3550/8015M

**Method Blank**

MB: 2004/09/29-1A.10-001

**Oil**

Test(s): 8015M

**QC Batch # 2004/09/29-1A.10**

Date Extracted: 09/29/2004 05:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	300	mg/Kg	09/29/2004 10:40	
<b>Surrogates(s)</b> o-Terphenyl	107.5	60-130	%	09/29/2004 10:40	

**Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 3550/8015M							Test(s): 8015M			
<b>Laboratory Control Spike</b>			<b>Oil</b>			<b>QC Batch # 2004/09/29-1A.10</b>				
LCS	2004/09/29-1A.10-002		Extracted: 09/29/2004			Analyzed: 09/29/2004 11:07				
LCSD	2004/09/29-1A.10-003		Extracted: 09/29/2004			Analyzed: 09/29/2004 11:34				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	12900	13200	12500	103.2	105.6	2.3	60-130	25		
<b>Surrogates(s)</b>										
o-Terphenyl	21.2	21.0	20.0	105.9	105.1		60-130			

## Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/28/2004 17:39

Site: 5251 Hopyard Road, Pleasanton

### Legend and Notes

#### Result Flag

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

**Toxichem Management Systems, Inc -S.F.**

October 11, 2004

1562 44th Avenue  
San Francisco, CA 94122-2931  
Attn.: Ross Tinline  
Project#: EQ-77.1A  
Project: 98995843  
Site: 5251 Hopyard Road, Pleasanton

Dear Ross

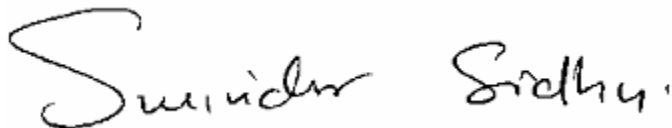
Attached is our report for your samples received on 10/06/2004 12:50  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
11/20/2004 unless you have requested otherwise.

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

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

Sincerely,



Surinder Sidhu  
Project Manager

**Total Lead**

Toxichem Management Systems, Inc -S.F.

Attn.: Ross Tinline

1562 44th Avenue

San Francisco, CA 94122-2931

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 10/06/2004 12:50

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
DSV-4d5.0	10/06/2004 12:00	Soil	1
DSV-15d7.0	10/06/2004 12:25	Soil	2

**Total Lead**

Toxichem Management Systems, Inc -S.F.

Attn.: Ross Tinline

1562 44th Avenue  
San Francisco, CA 94122-2931  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 10/06/2004 12:50

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-4d5.0</b>	Lab ID: 2004-10-0170 - 1
Sampled: 10/06/2004 12:00	Extracted: 10/6/2004 15:10
Matrix: Soil	QC Batch#: 2004/10/06-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	11	1.0	mg/Kg	1.00	10/07/2004 13:48	

**Total Lead**

Toxichem Management Systems, Inc -S.F.

Attn.: Ross Tinline

1562 44th Avenue  
San Francisco, CA 94122-2931  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 10/06/2004 12:50

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	3050B	Test(s):	6010B
Sample ID:	<b>DSV-15d7.0</b>	Lab ID:	2004-10-0170 - 2
Sampled:	10/06/2004 12:25	Extracted:	10/6/2004 15:10
Matrix:	Soil	QC Batch#:	2004/10/06-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.8	1.0	mg/Kg	1.00	10/07/2004 13:51	



**Total Lead**

Toxichem Management Systems, Inc -S.F.

Attn.: Ross Tinline

1562 44th Avenue  
San Francisco, CA 94122-2931  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 10/06/2004 12:50

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 3050B Test(s): 6010B  
**Method Blank** **Soil** **QC Batch # 2004/10/06-05.15**  
 MB: 2004/10/06-05.15-016 Date Extracted: 10/06/2004 15:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	10/07/2004 13:33	

**Total Lead**

Toxichem Management Systems, Inc -S.F.

Attn.: Ross Tinline

1562 44th Avenue  
San Francisco, CA 94122-2931  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 10/06/2004 12:50

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2004/10/06-05.15</b>				
LCS	2004/10/06-05.15-017		Extracted: 10/06/2004			Analyzed: 10/07/2004 13:38				
LCSD	2004/10/06-05.15-018		Extracted: 10/06/2004			Analyzed: 10/07/2004 13:43				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	94.7	96.0	100.0	94.7	96.0	1.4	80-120	20		

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc -S.F.

Attn.: Ross Tinline

1562 44th Avenue

San Francisco, CA 94122-2931

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 10/06/2004 12:50

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
DSV-4d5.0	10/06/2004 12:00	Soil	1
DSV-15d7.0	10/06/2004 12:25	Soil	2

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc -S.F.

Attn.: Ross Tinline

1562 44th Avenue  
San Francisco, CA 94122-2931  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 10/06/2004 12:50

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>DSV-4d5.0</b>	Lab ID: 2004-10-0170 - 1
Sampled: 10/06/2004 12:00	Extracted: 10/9/2004 19:18
Matrix: Soil	QC Batch#: 2004/10/09-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/09/2004 19:18	
Benzene	0.016	0.0050	mg/Kg	1.00	10/09/2004 19:18	
Toluene	ND	0.0050	mg/Kg	1.00	10/09/2004 19:18	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/09/2004 19:18	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/09/2004 19:18	
tert-Butyl alcohol (TBA)	0.22	0.010	mg/Kg	1.00	10/09/2004 19:18	
Methyl tert-butyl ether (MTBE)	0.20	0.0050	mg/Kg	1.00	10/09/2004 19:18	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/09/2004 19:18	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/09/2004 19:18	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/09/2004 19:18	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/09/2004 19:18	
EDB	ND	0.0050	mg/Kg	1.00	10/09/2004 19:18	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	109.3	76-124	%	1.00	10/09/2004 19:18	
Toluene-d8	97.4	75-116	%	1.00	10/09/2004 19:18	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc -S.F.

Attn.: Ross Tinline

1562 44th Avenue  
San Francisco, CA 94122-2931  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 10/06/2004 12:50

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>DSV-15d7.0</b>	Lab ID: 2004-10-0170 - 2
Sampled: 10/06/2004 12:25	Extracted: 10/9/2004 19:40
Matrix: Soil	QC Batch#: 2004/10/09-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	5.6	1.0	mg/Kg	1.00	10/09/2004 19:40	
Benzene	0.088	0.0050	mg/Kg	1.00	10/09/2004 19:40	
Toluene	0.0065	0.0050	mg/Kg	1.00	10/09/2004 19:40	
Ethyl benzene	0.20	0.0050	mg/Kg	1.00	10/09/2004 19:40	
Total xylenes	0.023	0.0050	mg/Kg	1.00	10/09/2004 19:40	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/09/2004 19:40	
Methyl tert-butyl ether (MTBE)	0.024	0.0050	mg/Kg	1.00	10/09/2004 19:40	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/09/2004 19:40	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/09/2004 19:40	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/09/2004 19:40	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/09/2004 19:40	
EDB	ND	0.0050	mg/Kg	1.00	10/09/2004 19:40	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.2	76-124	%	1.00	10/09/2004 19:40	
Toluene-d8	92.0	75-116	%	1.00	10/09/2004 19:40	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc -S.F.

Attn.: Ross Tinline

1562 44th Avenue  
San Francisco, CA 94122-2931  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 10/06/2004 12:50

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2004/10/09-2A.66**

MB: 2004/10/09-2A.66-046

Date Extracted: 10/09/2004 18:46

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/09/2004 18:46	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/09/2004 18:46	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/09/2004 18:46	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/09/2004 18:46	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/09/2004 18:46	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/09/2004 18:46	
1,2-DCA	ND	0.0050	mg/Kg	10/09/2004 18:46	
EDB	ND	0.0050	mg/Kg	10/09/2004 18:46	
Benzene	ND	0.0050	mg/Kg	10/09/2004 18:46	
Toluene	ND	0.0050	mg/Kg	10/09/2004 18:46	
Ethyl benzene	ND	0.0050	mg/Kg	10/09/2004 18:46	
Total xylenes	ND	0.0050	mg/Kg	10/09/2004 18:46	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	94.6	76-124	%	10/09/2004 18:46	
Toluene-d8	97.6	75-116	%	10/09/2004 18:46	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc -S.F.

Attn.: Ross Tinline

1562 44th Avenue  
San Francisco, CA 94122-2931  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 10/06/2004 12:50

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2004/10/09-2A.66</b>				
LCS	2004/10/09-2A.66-001		Extracted: 10/09/2004			Analyzed: 10/09/2004 18:01				
LCSD	2004/10/09-2A.66-023		Extracted: 10/09/2004			Analyzed: 10/09/2004 18:23				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0551	0.0558	0.05	110.2	111.6	1.3	65-165	20		
Benzene	0.0469	0.0442	0.05	93.8	88.4	5.9	69-129	20		
Toluene	0.0447	0.0453	0.05	89.4	90.6	1.3	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	448	445	500	89.6	89.0		76-124			
Toluene-d8	482	468	500	96.4	93.6		75-116			

STL-San Francisco

# SHELL Chain Of Custody Record

89533

1220 Quarry Lane  
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING

TECHNICAL SERVICES

CRMT HOUSTON

Bill Merchant, Shell Oil Products US

2004-10-0170

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 3

SAP or CRMT NUMBER (TS/CRMT)

1 2 5 7 8 5

DATE: 10-6-04

PAGE: 1 of 1

SAMPLING COMPANY: <b>Toxichem Management Systems, Inc.</b>		LOG CODE:	SITE ADDRESS (Street and City): <b>5251 Hopyard Road, Pleasanton</b>	GLOBAL ID NO.: <b>T0600101267</b>
ADDRESS: <b>11 Kenton Avenue, San Carlos, California, 94070</b>		EOP DELIVERABLE TO (Responsible Party or Designer):		PHONE NO.: <b>650.551.0112</b>
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Ross Tinline</b>		E-MAIL: <b>rosst@toxichem.com</b>		CONSULTANT PROJECT NO.: <b>EQ-77.1A</b>
TELEPHONE: <b>650.551.0112</b>	FAX: <b>650.551.0116</b>	SAMPLER NAME(S) (PIN): <b>Ross Tinline</b>		LAB USE ONLY
E-MAIL: <b>rosst@toxichem.com</b>				

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

TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	IBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input checked="" type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUFT5 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAMM7 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

TEMPERATURE ON RECEIPT C°  
 21°

# RUSH

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 10-6-04	Time: 12:50
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:



**Toxichem Management Systems, Inc-San Jose**

October 04, 2004

11 Kenton Drive  
San Carlos, CA 94070  
Attn.: Ross Tinline  
Project#: EQ-77.1A  
Project: 98995843  
Site: 5251 Hopyard Rd., Pleasanton

Dear Mr. Tinline

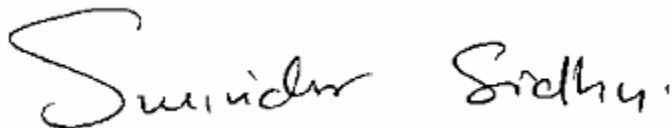
Attached is our report for your samples received on 09/30/2004 19:25  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
11/14/2004 unless you have requested otherwise.

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

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

Sincerely,



Surinder Sidhu  
Project Manager

**Total Lead**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
DSV-9D 10.0	09/30/2004 14:15	Soil	1
DSV-13D 5.5	09/30/2004 15:45	Soil	2
DSV-14D 4.5	09/30/2004 15:30	Soil	3
DSV-15D 5.0	09/30/2004 16:05	Soil	4

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-9D 10.0</b>	Lab ID: 2004-09-0918 - 1
Sampled: 09/30/2004 14:15	Extracted: 10/1/2004 05:45
Matrix: Soil	QC Batch#: 2004/10/01-01.15
Analysis Flag: . ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.3	1.0	mg/Kg	1.00	10/01/2004 12:08	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-13D 5.5</b>	Lab ID: 2004-09-0918 - 2
Sampled: 09/30/2004 15:45	Extracted: 10/1/2004 05:45
Matrix: Soil	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	7.3	1.0	mg/Kg	1.00	10/01/2004 12:34	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-14D 4.5</b>	Lab ID: 2004-09-0918 - 3
Sampled: 09/30/2004 15:30	Extracted: 10/1/2004 05:45
Matrix: Soil	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.9	1.0	mg/Kg	1.00	10/01/2004 12:37	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>DSV-15D 5.0</b>	Lab ID: 2004-09-0918 - 4
Sampled: 09/30/2004 16:05	Extracted: 10/1/2004 05:45
Matrix: Soil	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	6.2	1.0	mg/Kg	1.00	10/01/2004 12:41	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Batch QC Report					
Prep(s): 3050B		Test(s): 6010B			
<b>Method Blank</b>		<b>Soil</b>		<b>QC Batch # 2004/10/01-01.15</b>	
MB: 2004/10/01-01.15-043		Date Extracted: 10/01/2004 05:45			
Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	10/01/2004 11:01	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
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Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2004/10/01-01.15</b>				
LCS	2004/10/01-01.15-044		Extracted: 10/01/2004			Analyzed: 10/01/2004 11:06				
LCSD	2004/10/01-01.15-045		Extracted: 10/01/2004			Analyzed: 10/01/2004 11:10				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	95.6	96.8	100.0	95.6	96.8	1.2	80-120	20		



**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Batch QC Report											
Prep(s): 3050B						Test(s): 6010B					
<b>Matrix Spike ( MS / MSD )</b>				<b>Soil</b>				<b>QC Batch # 2004/10/01-01.15</b>			
DSV-15D 5.0 >> MS						Lab ID: 2004-09-0918 - 004					
MS: 2004/10/01-01.15-064			Extracted: 10/01/2004			Analyzed: 10/01/2004 12:45			Dilution: 1.00		
MSD: 2004/10/01-01.15-065			Extracted: 10/01/2004			Analyzed: 10/01/2004 12:49			Dilution: 1.00		

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Lead	71.9	70.4	6.18	100.0	65.7	66.1	0.6	75-125	20	mso	mso

## Total Lead

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

## Legend and Notes

### Analysis Flag

### Result Flag

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.  
Precision and Accuracy were verified by LCS/LCSD.

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
DSV-9D 10.0	09/30/2004 14:15	Soil	1
DSV-13D 5.5	09/30/2004 15:45	Soil	2
DSV-14D 4.5	09/30/2004 15:30	Soil	3
DSV-15D 5.0	09/30/2004 16:05	Soil	4

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>DSV-9D 10.0</b>	Lab ID: 2004-09-0918 - 1
Sampled: 09/30/2004 14:15	Extracted: 10/1/2004 10:09
Matrix: Soil	QC Batch#: 2004/10/01-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	2.0	mg/Kg	2.00	10/01/2004 10:09	
Benzene	ND	0.010	mg/Kg	2.00	10/01/2004 10:09	
Toluene	ND	0.010	mg/Kg	2.00	10/01/2004 10:09	
Ethyl benzene	ND	0.010	mg/Kg	2.00	10/01/2004 10:09	
Total xylenes	ND	0.010	mg/Kg	2.00	10/01/2004 10:09	
tert-Butyl alcohol (TBA)	0.083	0.020	mg/Kg	2.00	10/01/2004 10:09	
Methyl tert-butyl ether (MTBE)	0.053	0.010	mg/Kg	2.00	10/01/2004 10:09	
Di-isopropyl Ether (DIPE)	ND	0.020	mg/Kg	2.00	10/01/2004 10:09	
Ethyl tert-butyl ether (ETBE)	ND	0.010	mg/Kg	2.00	10/01/2004 10:09	
tert-Amyl methyl ether (TAME)	ND	0.010	mg/Kg	2.00	10/01/2004 10:09	
1,2-DCA	ND	0.010	mg/Kg	2.00	10/01/2004 10:09	
EDB	ND	0.010	mg/Kg	2.00	10/01/2004 10:09	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.6	76-124	%	2.00	10/01/2004 10:09	
Toluene-d8	102.2	75-116	%	2.00	10/01/2004 10:09	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>DSV-13D 5.5</b>	Lab ID: 2004-09-0918 - 2
Sampled: 09/30/2004 15:45	Extracted: 10/1/2004 10:32
Matrix: Soil	QC Batch#: 2004/10/01-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	2.0	mg/Kg	2.00	10/01/2004 10:32	
Benzene	0.030	0.010	mg/Kg	2.00	10/01/2004 10:32	
Toluene	0.012	0.010	mg/Kg	2.00	10/01/2004 10:32	
Ethyl benzene	ND	0.010	mg/Kg	2.00	10/01/2004 10:32	
Total xylenes	0.020	0.010	mg/Kg	2.00	10/01/2004 10:32	
tert-Butyl alcohol (TBA)	0.030	0.020	mg/Kg	2.00	10/01/2004 10:32	
Methyl tert-butyl ether (MTBE)	0.054	0.010	mg/Kg	2.00	10/01/2004 10:32	
Di-isopropyl Ether (DIPE)	ND	0.020	mg/Kg	2.00	10/01/2004 10:32	
Ethyl tert-butyl ether (ETBE)	ND	0.010	mg/Kg	2.00	10/01/2004 10:32	
tert-Amyl methyl ether (TAME)	ND	0.010	mg/Kg	2.00	10/01/2004 10:32	
1,2-DCA	ND	0.010	mg/Kg	2.00	10/01/2004 10:32	
EDB	ND	0.010	mg/Kg	2.00	10/01/2004 10:32	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.4	76-124	%	2.00	10/01/2004 10:32	
Toluene-d8	98.3	75-116	%	2.00	10/01/2004 10:32	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>DSV-14D 4.5</b>	Lab ID: 2004-09-0918 - 3
Sampled: 09/30/2004 15:30	Extracted: 10/1/2004 10:54
Matrix: Soil	QC Batch#: 2004/10/01-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	2.0	mg/Kg	2.00	10/01/2004 10:54	
Benzene	ND	0.010	mg/Kg	2.00	10/01/2004 10:54	
Toluene	ND	0.010	mg/Kg	2.00	10/01/2004 10:54	
Ethyl benzene	ND	0.010	mg/Kg	2.00	10/01/2004 10:54	
Total xylenes	ND	0.010	mg/Kg	2.00	10/01/2004 10:54	
tert-Butyl alcohol (TBA)	0.12	0.020	mg/Kg	2.00	10/01/2004 10:54	
Methyl tert-butyl ether (MTBE)	0.092	0.010	mg/Kg	2.00	10/01/2004 10:54	
Di-isopropyl Ether (DIPE)	ND	0.020	mg/Kg	2.00	10/01/2004 10:54	
Ethyl tert-butyl ether (ETBE)	ND	0.010	mg/Kg	2.00	10/01/2004 10:54	
tert-Amyl methyl ether (TAME)	ND	0.010	mg/Kg	2.00	10/01/2004 10:54	
1,2-DCA	ND	0.010	mg/Kg	2.00	10/01/2004 10:54	
EDB	ND	0.010	mg/Kg	2.00	10/01/2004 10:54	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.3	76-124	%	2.00	10/01/2004 10:54	
Toluene-d8	98.6	75-116	%	2.00	10/01/2004 10:54	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>DSV-15D 5.0</b>	Lab ID: 2004-09-0918 - 4
Sampled: 09/30/2004 16:05	Extracted: 10/1/2004 11:17
Matrix: Soil	QC Batch#: 2004/10/01-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	2.0	mg/Kg	2.00	10/01/2004 11:17	
Benzene	0.087	0.010	mg/Kg	2.00	10/01/2004 11:17	
Toluene	ND	0.010	mg/Kg	2.00	10/01/2004 11:17	
Ethyl benzene	ND	0.010	mg/Kg	2.00	10/01/2004 11:17	
Total xylenes	ND	0.010	mg/Kg	2.00	10/01/2004 11:17	
tert-Butyl alcohol (TBA)	0.086	0.020	mg/Kg	2.00	10/01/2004 11:17	
Methyl tert-butyl ether (MTBE)	0.17	0.010	mg/Kg	2.00	10/01/2004 11:17	
Di-isopropyl Ether (DIPE)	ND	0.020	mg/Kg	2.00	10/01/2004 11:17	
Ethyl tert-butyl ether (ETBE)	ND	0.010	mg/Kg	2.00	10/01/2004 11:17	
tert-Amyl methyl ether (TAME)	ND	0.010	mg/Kg	2.00	10/01/2004 11:17	
1,2-DCA	ND	0.010	mg/Kg	2.00	10/01/2004 11:17	
EDB	ND	0.010	mg/Kg	2.00	10/01/2004 11:17	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	107.1	76-124	%	2.00	10/01/2004 11:17	
Toluene-d8	97.3	75-116	%	2.00	10/01/2004 11:17	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2004/10/01-2A.66**

MB: 2004/10/01-2A.66-038

Date Extracted: 10/01/2004 09:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/01/2004 09:38	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/01/2004 09:38	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/01/2004 09:38	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/01/2004 09:38	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/01/2004 09:38	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/01/2004 09:38	
1,2-DCA	ND	0.0050	mg/Kg	10/01/2004 09:38	
EDB	ND	0.0050	mg/Kg	10/01/2004 09:38	
Benzene	ND	0.0050	mg/Kg	10/01/2004 09:38	
Toluene	ND	0.0050	mg/Kg	10/01/2004 09:38	
Ethyl benzene	ND	0.0050	mg/Kg	10/01/2004 09:38	
Total xylenes	ND	0.0050	mg/Kg	10/01/2004 09:38	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	103.4	76-124	%	10/01/2004 09:38	
Toluene-d8	100.0	75-116	%	10/01/2004 09:38	



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/10/01-2A.66**

LCS 2004/10/01-2A.66-053

Extracted: 10/01/2004

Analyzed: 10/01/2004 08:53

LCSD 2004/10/01-2A.66-016

Extracted: 10/01/2004

Analyzed: 10/01/2004 09:16

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0616	0.0628	0.05	123.2	125.6	1.9	65-165	20		
Benzene	0.0621	0.0595	0.05	124.2	119.0	4.3	69-129	20		
Toluene	0.0580	0.0594	0.05	116.0	118.8	2.4	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	485	485	500	97.0	97.0		76-124			
Toluene-d8	487	523	500	97.4	104.6		75-116			

1220 Quarry Lane  
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Bill Merchant, Shell Oil Products US

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 3

SAP or CRMT NUMBER (TS/CRMT)

1 2 5 7 8 5

DATE: 9-30-04

PAGE: 1 of 1

SAMPLING COMPANY: <b>Toxicchem Management Systems, Inc.</b>	LOG CODE:	SITE ADDRESS (Street and City): <b>5251 Hopyard Road, Pleasanton</b>	GLOBAL ID NO.: <b>T0600101267</b>
----------------------------------------------------------------	-----------	-------------------------------------------------------------------------	--------------------------------------

ADDRESS: <b>11 Kenton Avenue, San Carlos, California, 94070</b>	EDF DELIVERABLE TO (Responsible Party or Designer): <b>Ross Tinline</b>	PHONE NO.: <b>650.551.0112</b>	E-MAIL: <b>rosst@toxicchem.com</b>	CONSULTANT PROJECT NO.: <b>EQ-77.1A</b>
--------------------------------------------------------------------	----------------------------------------------------------------------------	-----------------------------------	---------------------------------------	--------------------------------------------

PROJECT CONTACT (Hardcopy or PDF Report to): <b>Ross Tinline</b>	SAMPLER NAME(S) (Print): <b>Ross Tinline</b>	LAB USE ONLY
---------------------------------------------------------------------	-------------------------------------------------	--------------

TELEPHONE: <b>650.551.0112</b>	FAX: <b>650.551.0116</b>	E-MAIL: <b>rosst@toxicchem.com</b>
-----------------------------------	-----------------------------	---------------------------------------

TURNAROUND TIME (BUSINESS DAYS): <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input checked="" type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS	<b>REQUESTED ANALYSIS</b>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------

<input type="checkbox"/> LA - RWQCB REPORT FORMAT <input checked="" type="checkbox"/> UST AGENCY: _____ GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____	
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

SPECIAL INSTRUCTIONS OR NOTES: <b>RUSH</b>	CHECK BOX IF EDD IS <u>NOT</u> NEEDED <input type="checkbox"/>
-----------------------------------------------	----------------------------------------------------------------

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	IBA	5 Oxygenates	1,2,4-Trichloro EDB + EDC	Ethanol	Methanol	VOCs by 8280B	Semi-Volatiles by 8270C	Lead <input checked="" type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
	DSV-9d 10.0	9/30/04	2:15	S	1	X	X	X	X	X	X	X					X					TEMPERATURE ON RECEIPT C° <b>4</b>
	DSV-13d 5.5	9/30/04	3:45	S	1	X	X	X	X	X	X	X					X					
	DSV-14d 4.5	9/30/04	3:30	S	1	X	X	X	X	X	X	X					X					
	DSV-15d 5.0	9/30/04	4:05	S	1	X	X	X	X	X	X	X					X					

Retiquished by (Signature): <i>Ross Tinline</i>	Received by (Signature): <i>[Signature]</i>	Date: <b>9-30-04</b>	Time: <b>19:25</b>
Retiquished by (Signature):	Received by (Signature):	Date:	Time:
Retiquished by (Signature):	Received by (Signature):	Date:	Time:

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
PG-1 (A-D)	09/30/2004 16:15	Solid	1
PG-2 (A-D)	09/30/2004 16:25	Solid	2
SP-1 (A-D)	09/30/2004 16:30	Soil	3
PG-1.1 (A-D)	09/30/2004 18:30	Solid	4
PG-2.1 (A-D)	09/30/2004 18:40	Solid	5
PG-2.2 (A-D)	09/30/2004 18:45	Solid	6
PG-2.3 (A-D)	09/30/2004 18:50	Solid	7
PG-2.4 (A-D)	09/30/2004 18:51	Solid	8

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>PG-1 (A-D)</b>	Lab ID: 2004-09-0917 - 1
Sampled: 09/30/2004 16:15	Extracted: 10/1/2004 14:17
Matrix: Solid	QC Batch#: 2004/10/01-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/01/2004 14:17	
Benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 14:17	
Toluene	ND	0.0050	mg/Kg	1.00	10/01/2004 14:17	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 14:17	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/01/2004 14:17	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/01/2004 14:17	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 14:17	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/01/2004 14:17	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 14:17	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/01/2004 14:17	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/01/2004 14:17	
EDB	ND	0.0050	mg/Kg	1.00	10/01/2004 14:17	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.6	76-124	%	1.00	10/01/2004 14:17	
Toluene-d8	89.9	75-116	%	1.00	10/01/2004 14:17	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>PG-2 (A-D)</b>	Lab ID: 2004-09-0917 - 2
Sampled: 09/30/2004 16:25	Extracted: 10/1/2004 14:39
Matrix: Solid	QC Batch#: 2004/10/01-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/01/2004 14:39	
Benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 14:39	
Toluene	ND	0.0050	mg/Kg	1.00	10/01/2004 14:39	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 14:39	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/01/2004 14:39	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/01/2004 14:39	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 14:39	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/01/2004 14:39	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 14:39	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/01/2004 14:39	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/01/2004 14:39	
EDB	ND	0.0050	mg/Kg	1.00	10/01/2004 14:39	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.3	76-124	%	1.00	10/01/2004 14:39	
Toluene-d8	90.0	75-116	%	1.00	10/01/2004 14:39	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SP-1 (A-D)</b>	Lab ID: 2004-09-0917 - 3
Sampled: 09/30/2004 16:30	Extracted: 10/2/2004 12:30
Matrix: Soil	QC Batch#: 2004/10/02-1A.66
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	7.4	3.5	mg/Kg	3.52	10/02/2004 12:30	
Benzene	0.043	0.018	mg/Kg	3.52	10/02/2004 12:30	
Toluene	0.89	0.018	mg/Kg	3.52	10/02/2004 12:30	
Ethyl benzene	0.20	0.018	mg/Kg	3.52	10/02/2004 12:30	
Total xylenes	1.4	0.018	mg/Kg	3.52	10/02/2004 12:30	
tert-Butyl alcohol (TBA)	ND	0.035	mg/Kg	3.52	10/02/2004 12:30	
Methyl tert-butyl ether (MTBE)	0.030	0.018	mg/Kg	3.52	10/02/2004 12:30	
Di-isopropyl Ether (DIPE)	ND	0.035	mg/Kg	3.52	10/02/2004 12:30	
Ethyl tert-butyl ether (ETBE)	ND	0.018	mg/Kg	3.52	10/02/2004 12:30	
tert-Amyl methyl ether (TAME)	ND	0.018	mg/Kg	3.52	10/02/2004 12:30	
1,2-DCA	ND	0.018	mg/Kg	3.52	10/02/2004 12:30	
EDB	ND	0.018	mg/Kg	3.52	10/02/2004 12:30	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	90.7	76-124	%	3.52	10/02/2004 12:30	
Toluene-d8	94.2	75-116	%	3.52	10/02/2004 12:30	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>PG-1.1 (A-D)</b>	Lab ID: 2004-09-0917 - 4
Sampled: 09/30/2004 18:30	Extracted: 10/1/2004 15:02
Matrix: Solid	QC Batch#: 2004/10/01-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/01/2004 15:02	
Benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 15:02	
Toluene	ND	0.0050	mg/Kg	1.00	10/01/2004 15:02	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 15:02	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/01/2004 15:02	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/01/2004 15:02	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 15:02	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/01/2004 15:02	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 15:02	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/01/2004 15:02	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/01/2004 15:02	
EDB	ND	0.0050	mg/Kg	1.00	10/01/2004 15:02	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.9	76-124	%	1.00	10/01/2004 15:02	
Toluene-d8	92.4	75-116	%	1.00	10/01/2004 15:02	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>PG-2.1 (A-D)</b>	Lab ID: 2004-09-0917 - 5
Sampled: 09/30/2004 18:40	Extracted: 10/1/2004 15:24
Matrix: Solid	QC Batch#: 2004/10/01-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/01/2004 15:24	
Benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 15:24	
Toluene	ND	0.0050	mg/Kg	1.00	10/01/2004 15:24	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 15:24	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/01/2004 15:24	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/01/2004 15:24	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 15:24	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/01/2004 15:24	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 15:24	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/01/2004 15:24	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/01/2004 15:24	
EDB	ND	0.0050	mg/Kg	1.00	10/01/2004 15:24	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.6	76-124	%	1.00	10/01/2004 15:24	
Toluene-d8	86.6	75-116	%	1.00	10/01/2004 15:24	



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

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Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>PG-2.2 (A-D)</b>	Lab ID: 2004-09-0917 - 6
Sampled: 09/30/2004 18:45	Extracted: 10/1/2004 12:24
Matrix: Solid	QC Batch#: 2004/10/01-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/01/2004 12:24	
Benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 12:24	
Toluene	ND	0.0050	mg/Kg	1.00	10/01/2004 12:24	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 12:24	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/01/2004 12:24	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/01/2004 12:24	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 12:24	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/01/2004 12:24	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 12:24	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/01/2004 12:24	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/01/2004 12:24	
EDB	ND	0.0050	mg/Kg	1.00	10/01/2004 12:24	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	89.0	76-124	%	1.00	10/01/2004 12:24	
Toluene-d8	91.5	75-116	%	1.00	10/01/2004 12:24	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>PG-2.3 (A-D)</b>	Lab ID: 2004-09-0917 - 7
Sampled: 09/30/2004 18:50	Extracted: 10/1/2004 12:47
Matrix: Solid	QC Batch#: 2004/10/01-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/01/2004 12:47	
Benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 12:47	
Toluene	ND	0.0050	mg/Kg	1.00	10/01/2004 12:47	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/01/2004 12:47	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/01/2004 12:47	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/01/2004 12:47	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 12:47	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/01/2004 12:47	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/01/2004 12:47	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/01/2004 12:47	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/01/2004 12:47	
EDB	ND	0.0050	mg/Kg	1.00	10/01/2004 12:47	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	89.7	76-124	%	1.00	10/01/2004 12:47	
Toluene-d8	90.8	75-116	%	1.00	10/01/2004 12:47	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>PG-2.4 (A-D)</b>	Lab ID: 2004-09-0917 - 8
Sampled: 09/30/2004 18:51	Extracted: 10/2/2004 12:08
Matrix: Solid	QC Batch#: 2004/10/02-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/02/2004 12:08	
Benzene	ND	0.0050	mg/Kg	1.00	10/02/2004 12:08	
Toluene	ND	0.0050	mg/Kg	1.00	10/02/2004 12:08	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/02/2004 12:08	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/02/2004 12:08	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	10/02/2004 12:08	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/02/2004 12:08	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	10/02/2004 12:08	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	10/02/2004 12:08	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	10/02/2004 12:08	
1,2-DCA	ND	0.0050	mg/Kg	1.00	10/02/2004 12:08	
EDB	ND	0.0050	mg/Kg	1.00	10/02/2004 12:08	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	89.4	76-124	%	1.00	10/02/2004 12:08	
Toluene-d8	88.2	75-116	%	1.00	10/02/2004 12:08	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2004/10/01-2A.66**

MB: 2004/10/01-2A.66-038

Date Extracted: 10/01/2004 09:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/01/2004 09:38	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/01/2004 09:38	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/01/2004 09:38	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/01/2004 09:38	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/01/2004 09:38	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/01/2004 09:38	
1,2-DCA	ND	0.0050	mg/Kg	10/01/2004 09:38	
EDB	ND	0.0050	mg/Kg	10/01/2004 09:38	
Benzene	ND	0.0050	mg/Kg	10/01/2004 09:38	
Toluene	ND	0.0050	mg/Kg	10/01/2004 09:38	
Ethyl benzene	ND	0.0050	mg/Kg	10/01/2004 09:38	
Total xylenes	ND	0.0050	mg/Kg	10/01/2004 09:38	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	103.4	76-124	%	10/01/2004 09:38	
Toluene-d8	100.0	75-116	%	10/01/2004 09:38	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2004/10/02-1A.66**

MB: 2004/10/02-1A.66-014

Date Extracted: 10/02/2004 08:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/02/2004 08:14	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	10/02/2004 08:14	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/02/2004 08:14	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	10/02/2004 08:14	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	10/02/2004 08:14	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	10/02/2004 08:14	
1,2-DCA	ND	0.0050	mg/Kg	10/02/2004 08:14	
EDB	ND	0.0050	mg/Kg	10/02/2004 08:14	
Benzene	ND	0.0050	mg/Kg	10/02/2004 08:14	
Toluene	ND	0.0050	mg/Kg	10/02/2004 08:14	
Ethyl benzene	ND	0.0050	mg/Kg	10/02/2004 08:14	
Total xylenes	ND	0.0050	mg/Kg	10/02/2004 08:14	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	90.8	76-124	%	10/02/2004 08:14	
Toluene-d8	94.2	75-116	%	10/02/2004 08:14	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/10/01-2A.66**

LCS 2004/10/01-2A.66-053

Extracted: 10/01/2004

Analyzed: 10/01/2004 08:53

LCSD 2004/10/01-2A.66-016

Extracted: 10/01/2004

Analyzed: 10/01/2004 09:16

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0616	0.0628	0.05	123.2	125.6	1.9	65-165	20		
Benzene	0.0621	0.0595	0.05	124.2	119.0	4.3	69-129	20		
Toluene	0.0580	0.0594	0.05	116.0	118.8	2.4	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	485	485	500	97.0	97.0		76-124			
Toluene-d8	487	523	500	97.4	104.6		75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Toxichem Management Systems, Inc-San Jose  
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Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Batch QC Report									
Prep(s): 5030B						Test(s): 8260B			
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2004/10/02-1A.66</b>			
LCS	2004/10/02-1A.66-029		Extracted: 10/02/2004			Analyzed: 10/02/2004 07:29			
LCSD	2004/10/02-1A.66-052		Extracted: 10/02/2004			Analyzed: 10/02/2004 07:52			

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0556	0.0568	0.05	111.2	113.6	2.1	65-165	20		
Benzene	0.0514	0.0550	0.05	102.8	110.0	6.8	69-129	20		
Toluene	0.0457	0.0480	0.05	91.4	96.0	4.9	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	426	453	500	85.2	90.6		76-124			
Toluene-d8	446	461	500	89.2	92.2		75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Legend and Notes**

**Analysis Flag**

o

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



**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

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11 Kenton Drive

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Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
PG-1 (A-D)	09/30/2004 16:15	Solid	1
PG-2 (A-D)	09/30/2004 16:25	Solid	2
SP-1 (A-D)	09/30/2004 16:30	Soil	3
PG-1.1 (A-D)	09/30/2004 18:30	Solid	4
PG-2.1 (A-D)	09/30/2004 18:40	Solid	5
PG-2.2 (A-D)	09/30/2004 18:45	Solid	6
PG-2.3 (A-D)	09/30/2004 18:50	Solid	7
PG-2.4 (A-D)	09/30/2004 18:51	Solid	8

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

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Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>PG-1 (A-D)</b>	Lab ID:	2004-09-0917 - 1
Sampled:	09/30/2004 16:15	Extracted:	10/4/2004 13:39
Matrix:	Solid	QC Batch#:	2004/10/04-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	25	1.0	mg/Kg	1.00	10/05/2004 09:59	ndp
<b>Surrogate(s)</b> o-Terphenyl	84.5	60-130	%	1.00	10/05/2004 09:59	

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

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Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>PG-2 (A-D)</b>	Lab ID:	2004-09-0917 - 2
Sampled:	09/30/2004 16:25	Extracted:	10/4/2004 13:39
Matrix:	Solid	QC Batch#:	2004/10/04-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	8.1	1.0	mg/Kg	1.00	10/05/2004 10:26	ndp
<b>Surrogate(s)</b> o-Terphenyl	84.4	60-130	%	1.00	10/05/2004 10:26	

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

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Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SP-1 (A-D)</b>	Lab ID: 2004-09-0917 - 3
Sampled: 09/30/2004 16:30	Extracted: 10/4/2004 13:39
Matrix: Soil	QC Batch#: 2004/10/04-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	23	1.0	mg/Kg	1.00	10/05/2004 10:52	ndp
<b>Surrogate(s)</b> o-Terphenyl	63.4	60-130	%	1.00	10/05/2004 10:52	

**Diesel (C9-C24)**

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Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>PG-1.1 (A-D)</b>	Lab ID: 2004-09-0917 - 4
Sampled: 09/30/2004 18:30	Extracted: 10/4/2004 13:39
Matrix: Solid	QC Batch#: 2004/10/04-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	6.1	1.0	mg/Kg	1.00	10/05/2004 11:19	ndp
<b>Surrogate(s)</b> o-Terphenyl	78.0	60-130	%	1.00	10/05/2004 11:19	

**Diesel (C9-C24)**

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Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>PG-2.1 (A-D)</b>	Lab ID: 2004-09-0917 - 5
Sampled: 09/30/2004 18:40	Extracted: 10/4/2004 13:39
Matrix: Solid	QC Batch#: 2004/10/04-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	14	1.0	mg/Kg	1.00	10/05/2004 11:46	ndp
<b>Surrogate(s)</b> o-Terphenyl	73.3	60-130	%	1.00	10/05/2004 11:46	

**Diesel (C9-C24)**

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98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>PG-2.2 (A-D)</b>	Lab ID:	2004-09-0917 - 6
Sampled:	09/30/2004 18:45	Extracted:	10/4/2004 13:39
Matrix:	Solid	QC Batch#:	2004/10/04-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	7.7	1.0	mg/Kg	1.00	10/05/2004 12:43	ndp
<b>Surrogate(s)</b> o-Terphenyl	78.6	60-130	%	1.00	10/05/2004 12:43	

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose  
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Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>PG-2.3 (A-D)</b>	Lab ID: 2004-09-0917 - 7
Sampled: 09/30/2004 18:50	Extracted: 10/4/2004 13:39
Matrix: Solid	QC Batch#: 2004/10/04-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	12	1.0	mg/Kg	1.00	10/05/2004 10:26	ndp
<b>Surrogate(s)</b> o-Terphenyl	88.7	60-130	%	1.00	10/05/2004 10:26	



**Diesel (C9-C24)**

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Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>PG-2.4 (A-D)</b>	Lab ID: 2004-09-0917 - 8
Sampled: 09/30/2004 18:51	Extracted: 10/4/2004 13:39
Matrix: Solid	QC Batch#: 2004/10/04-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	26	1.0	mg/Kg	1.00	10/05/2004 12:12	ndp
<b>Surrogate(s)</b> o-Terphenyl	83.4	60-130	%	1.00	10/05/2004 12:12	

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Batch QC Report**

Prep(s): 3550/8015M

**Method Blank**

MB: 2004/10/04-5A.10-001

**Soil**

Test(s): 8015M

**QC Batch # 2004/10/04-5A.10**

Date Extracted: 10/04/2004 13:39

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/04/2004 16:14	
<b>Surrogates(s)</b> o-Terphenyl	77.2	60-130	%	10/04/2004 16:14	

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 3550/8015M						Test(s): 8015M				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2004/10/04-5A.10</b>				
LCS	2004/10/04-5A.10-002		Extracted: 10/04/2004			Analyzed: 10/04/2004 15:42				
LCSD	2004/10/04-5A.10-003		Extracted: 10/04/2004			Analyzed: 10/04/2004 15:42				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	34.2	31.0	41.6	82.2	74.5	9.8	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	17.9	17.1	20.0	89.6	85.4		60-130			

**Diesel (C9-C24)**

Toxichem Management Systems, Inc-San Jose

Attn.: Ross Tinline

11 Kenton Drive

San Carlos, CA 94070

Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A

98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Legend and Notes**

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
PG-1 (A-D)	09/30/2004 16:15	Solid	1
PG-2 (A-D)	09/30/2004 16:25	Solid	2
SP-1 (A-D)	09/30/2004 16:30	Soil	3
PG-1.1 (A-D)	09/30/2004 18:30	Solid	4
PG-2.1 (A-D)	09/30/2004 18:40	Solid	5
PG-2.2 (A-D)	09/30/2004 18:45	Solid	6
PG-2.3 (A-D)	09/30/2004 18:50	Solid	7
PG-2.4 (A-D)	09/30/2004 18:51	Solid	8

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>PG-1 (A-D)</b>	Lab ID: 2004-09-0917 - 1
Sampled: 09/30/2004 16:15	Extracted: 10/1/2004 05:45
Matrix: Solid	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	3.8	1.0	mg/Kg	1.00	10/01/2004 11:37	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>PG-2 (A-D)</b>	Lab ID: 2004-09-0917 - 2
Sampled: 09/30/2004 16:25	Extracted: 10/1/2004 05:45
Matrix: Solid	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.5	1.0	mg/Kg	1.00	10/01/2004 11:41	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>SP-1 (A-D)</b>	Lab ID: 2004-09-0917 - 3
Sampled: 09/30/2004 16:30	Extracted: 10/1/2004 05:45
Matrix: Soil	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	6.1	1.0	mg/Kg	1.00	10/01/2004 11:44	



**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>PG-1.1 (A-D)</b>	Lab ID: 2004-09-0917 - 4
Sampled: 09/30/2004 18:30	Extracted: 10/1/2004 05:45
Matrix: Solid	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	3.6	1.0	mg/Kg	1.00	10/01/2004 11:48	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>PG-2.1 (A-D)</b>	Lab ID: 2004-09-0917 - 5
Sampled: 09/30/2004 18:40	Extracted: 10/1/2004 05:45
Matrix: Solid	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.8	1.0	mg/Kg	1.00	10/01/2004 11:52	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>PG-2.2 (A-D)</b>	Lab ID: 2004-09-0917 - 6
Sampled: 09/30/2004 18:45	Extracted: 10/1/2004 05:45
Matrix: Solid	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	3.1	1.0	mg/Kg	1.00	10/01/2004 11:56	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>PG-2.3 (A-D)</b>	Lab ID: 2004-09-0917 - 7
Sampled: 09/30/2004 18:50	Extracted: 10/1/2004 05:45
Matrix: Solid	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.5	1.0	mg/Kg	1.00	10/01/2004 11:59	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>PG-2.4 (A-D)</b>	Lab ID: 2004-09-0917 - 8
Sampled: 09/30/2004 18:51	Extracted: 10/1/2004 05:45
Matrix: Solid	QC Batch#: 2004/10/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	2.7	1.0	mg/Kg	1.00	10/01/2004 12:04	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

**Batch QC Report**

Prep(s): 3050B Test(s): 6010B  
**Method Blank** **Soil** **QC Batch # 2004/10/01-01.15**  
 MB: 2004/10/01-01.15-043 Date Extracted: 10/01/2004 05:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	10/01/2004 11:01	

**Total Lead**

Toxichem Management Systems, Inc-San Jose  
Attn.: Ross Tinline

11 Kenton Drive  
San Carlos, CA 94070  
Phone: (650) 551-0112 Fax: (650) 551-0116

Project: EQ-77.1A  
98995843

Received: 09/30/2004 19:25

Site: 5251 Hopyard Rd., Pleasanton

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2004/10/01-01.15</b>				
LCS	2004/10/01-01.15-044		Extracted: 10/01/2004			Analyzed: 10/01/2004 11:06				
LCSD	2004/10/01-01.15-045		Extracted: 10/01/2004			Analyzed: 10/01/2004 11:10				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	95.6	96.8	100.0	95.6	96.8	1.2	80-120	20		

**ATTACHMENT B**  
**FIELD PROCEDURES**



## **FIELD PROCEDURES**

### **Soil Excavation Procedures**

Soil excavation was performed by utilizing a rubber-tired backhoe. A photo ionization detector was used to screen the soil and guide the excavation limits for total petroleum hydrocarbons. An LEL meter was utilized when deemed necessary to ensure site safety. Excavated soil was stockpiled onsite on visqueen.

### **Soil Sampling Procedures**

Soil samples were collected by advancing a hand driven stainless-steel sampling sleeve and brass ring into undisturbed soil, or alternatively by driving a brass sleeve into native soil excavated by the backhoe. Soil samples were retained in brass rings, capped with Teflon squares and plastic end caps, labeled, and immediately stored in an iced chest. The soil samples, along with a completed chain of custody were submitted to a certified laboratory.

### **Groundwater and Product Sampling Procedures**

Groundwater and product samples were collected utilizing appropriate precleaned laboratory glassware. Due to the shallow nature of sampling within the trenches, a precleaned cap was utilized to bail water directly into the sample containers. The containers were then capped, labeled and immediately stored in an iced chest (the product sample was kept separate from the groundwater samples). The samples, along with a completed chain of custody were submitted to a certified laboratory.

### **Stockpile Sampling Procedures**

The soil and pea gravel stockpiles were sampled by driving brass sleeves into freshly exposed material and composited either in the field or laboratory to represent the material in the stockpile. The brass sleeves were then capped with Teflon squares, affixed with plastic end caps, labeled, placed in an iced cooler and transported to the laboratory.

**ATTACHMENT C**

**SOIL GROUNDWATER AND EQUIPMENT DISPOSAL  
DOCUMENTATION**



FAXED

Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

### Disposal Confirmation

Request for Transportation Received: 10/07/04

#### Consultant Information

Company: Toxichem Management  
Contact: Ross Tinline  
Phone: 650-551-0112  
Fax: 650-551-0116

#### Site Information

Station #: N/A  
Street Address: 5251 Hopyard Rd.  
City, State, ZIP: Pleasanton, CA

Customer: Shell Oil Company RESA-0023-LDC  
RIPR #: 38680  
SAP # / Location: 135785  
Incident #: 98995843  
Location / WIC #: N/A  
Environmental Engineer: Bill Merchant

Material Description: Contaminated Soil  
Estimated Quantity: 60 yards  
Service Requested Date:

Disposal Facility: Forward Landfill  
Contact: Joe Griffith  
Phone: 800 204-4242  
Approval #: 4860  
Date of Disposal: 10/9/04  
Actual Tonnage: 49.54 ton

Transporter: Manley & Sons Trucking, Inc.  
Contact: Janice Cox  
Phone: 916 381-6864  
Fax: 916 381-1573

Invoice:  
Date:



**FAXED**

Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

### Disposal Confirmation

Request for Transportation Received: 10/07/04

#### Consultant Information

Company: Toxichem Management  
Contact: Ross Tinline  
Phone: 650-551-0112  
Fax: 650-551-0116

#### Site Information

Station #: N/A  
Street Address: 5251 Hopyard Rd.  
City, State, ZIP: Pleasanton, CA

Customer: Shell Oil Company RESA-0023-LDC  
RIPR #: 38680  
SAP # / Location: 135785  
Incident #: 98995843  
Location / WIC #: N/A  
Environmental Engineer: Bill Merchant

Material Description: Contaminated Soil  
Estimated Quantity: 60 yards  
Service Requested Date:

Disposal Facility: Forward Landfill  
Contact: Joe Griffith  
Phone: 800 204-4242  
Approval #: 4860  
Date of Disposal: 10/18/04  
Actual Tonnage: 97.80 ton

Transporter: Manley & Sons Trucking, Inc.  
Contact: Janice Cox  
Phone: 916 381-6864  
Fax: 916 381-1573

Invoice:  
Date of



Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

### Disposal Confirmation

Request for Transportation Received: 10/07/04

#### Consultant Information

Company: Toxichem Management  
Contact: Ross Tinline  
Phone: 650-551-0112  
Fax: 650-551-0116

#### Site Information

Station #: N/A  
Street Address: 5251 Hopyard Rd.  
City, State, ZIP: Pleasanton, CA

Customer: Shell Oil Company RESA-0023-LDC  
RIPR #: 38680  
SAP # / Location: 135785  
Incident #: 98995843  
Location / WIC #: N/A  
Environmental Engineer: Bill Merchant

Material Description: Contaminated Soil  
Estimated Quantity: 60 yards  
Service Requested Date:

Disposal Facility: Forward Landfill  
Contact: Joe Griffith  
Phone: 800 204-4242  
Approval #: 4860  
Date of Disposal: 11/08/04  
Actual Tonnage: 63.96 ton

Transporter: Manley & Sons Trucking, Inc.  
Contact: Janice Cox  
Phone: 916 381-6864  
Fax: 916 381-1573



Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

### Disposal Confirmation

Request for Transportation Received: 10/07/04

#### Consultant Information

Company: Toxichem Management  
Contact: Ross Tinline  
Phone: 650-551-0112  
Fax: 650-551-0116

#### Site Information

Station #: N/A  
Street Address: 5251 Hopyard Rd.  
City, State, ZIP: Pleasanton, CA

Customer: Shell Oil Company RESA-0023-LDC  
RIPR #: 38680  
SAP # / Location: 135785  
Incident #: 98995843  
Location / WIC #: N/A  
Environmental Engineer: Bill Merchant

Material Description: Contaminated Soil  
Estimated Quantity: 60 yards  
Service Requested Date:

Disposal Facility: Forward Landfill  
Contact: Joe Griffith  
Phone: 800 204-4242  
Approval #: 4860  
Date of Disposal: 11/16/04  
Actual Tonnage: 116.70

Transporter: Manley & Sons Trucking, Inc.  
Contact: Janice Cox  
Phone: 916 381-6864  
Fax: 916 381-1573

Invoice:  
Date of Invoice:

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. **CA1R00013039337339** Manifest Document No. **1 of 1** 2. Page 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
**SHELL OIL PRODUCTS US  
12700 NORTHBOROUGH RD HOUSTON TX 77067-2608**

A. State Manifest Document Number  
**24086838**

4. Generator's Phone (281) 1874-2238 **MFT 240E JMARTIN**

B. State Generator's ID  
**HYHQ36010177**

5. Transporter 1 Company Name **Ecology Control Industries** 6. US EPA ID Number  
**CA D982039173**

C. State Transporter's ID (Reserved)  
D. Transporter's Phone  
**510-235-1393**

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID (Reserved)  
F. Transporter's Phone

9. Designated Facility Name and Site Address  
**Ecology Control Industries  
255 PARR BLVD RICHMOND CA 94801** 10. US EPA ID Number  
**CA D005466392**

G. State Facility's ID  
H. Facility's Phone  
**510-235-1393**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste Number
	No.	Type			
a. Non-RCRA hazardous waste, solid (EMPTY STORAGE TANK PIPING)	0101	CM	016000	P	State: CA EPA Office: MOBILE
b.					State: EPA Office:
c.					State: EPA Office:
d.					State: EPA Office:

16. Additional Descriptions for Materials Listed Above  
**(16 DOT) 1. EMPTY STORAGE TANK # 31968  
TANKS HAVE BEEN INCINERATED WITH 15 LBS OF DRY ICE PER 1000 GALLONS  
527-1923 17-20-792**

17. Handling Codes for Well-Plasticlined Afloats  
**01/99**

15. Special Handling Instructions and Additional Information  
**Wear proper protective equipment while handling. Weights or volumes are approximate. 24  
Hour emergency number (800) 321-5479 5251 Hopyard Rd  
24 HOUR CONTACT (ECI Dispatcher). SITE ADDRESS: Pleasanton, Ca 94566**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **CHRIS WISE** Signature **ON BEHALF OF US SOP** Month **10** Day **07** Year **04**

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name **Kevin E. Clark** Signature **Kevin E. Clark** Month **10** Day **07** Year **04**

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.  
Printed/Typed Name **James Wilcox** Signature **James Wilcox** Month **10** Day **08** Year **04**

24086838 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

38089

DO NOT WRITE BELOW THIS LINE.

Tank Processing JOB #: 52T1423  
TANK CERTIFICATION

\*\*\*\*\* PART 1 - To be completed by the Customer \*\*\*\*\*

CUSTOMER: Egilon GENERATOR: Shell Oil Prod. US State Waste Codes: \_\_\_\_\_  
 LOCATION: Pleasanton EPA I.D.#: CAK 000130393 EPA Waste Codes: \_\_\_\_\_  
 TRANSPORTER: ECT MANIFEST #: 2408 6938

	TANK 1	TANK 2	TANK 3	TANK 4	TANK 5	TANK 6
TANK #:	<u>31968</u> <u>1-20-142</u>	_____	_____	_____	_____	_____
CAPACITY:	<u>20 yd</u>	_____	_____	_____	_____	_____
DIAMETER:	<u>2"43"</u>	_____	_____	_____	_____	_____
LENGTH:	_____	_____	_____	_____	_____	_____
STEEL/GLASS:	<u>ST/61</u>	_____	_____	_____	_____	_____
LAST CONTAINED:	<u>UG</u>	_____	_____	_____	_____	_____

LG = Leaded Gas, UG = Unleaded Gas, D = Diesel, UO = Used Oil, FO = Fuel Oil  
Specify the material last contained if other than above.

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

The waste represented on this manifest is not generated by a chemical manufacturing plant, coke-by-product recovery plant of petroleum refinery. As such, it is not regulated under 40 CFR Part 61, Subpart FF (NESHAPS for Benzene Operations).

\_\_\_\_ Pursuant to 40 CFR 268.7 I am notifying Ecology Control Industries that the material described by the above manifest is a nonwastewater, Non-RCRA solid hazardous waste and not currently subject to EPA Land Disposal Restrictions.

\_\_\_\_ Pursuant to CCR 22 66268.7 I am notifying Ecology Control Industries that the material described by the manifest is a metal containing Non-RCRA solid hazardous waste (66268.29(g)), and an organics containing Non-RCRA solid hazardous waste (66268.29(l)). The treatment standards for these wastes have been repealed. This waste is no longer subject to land disposal restrictions.

I am an authorized agent/representative of the generator. I certify that all information submitted in this and associated documents is complete and accurate to the best of my knowledge. The tanks on the transport equipment have been numbered to correspond with the information provided above. In the event that the tanks do not correspond to the form, I will pay any and all costs incurred in rectifying the discrepancies between the tank(s) and the form. In the event that the tank(s) contain excessive solids or liquids, I agree to pay the cost of preparation, transportation and disposal/recycling of the excess material according to the schedule of charges in effect at the time of receipt of the tank(s). Further, I will not hold Ecology Control Industries responsible for any damage to tanks which occurs after the tanks are removed from the ground.

AUTHORIZED REPRESENTATIVE

SIGNATURE: [Signature]

DATE: 10-7-04



24U86967

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CA R1010130393</b>		Manifest Document No. <b>37354</b>		2. Page 1 <b>1 of 1</b>		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address: <b>SHELL OIL PRODUCTS US 12700 NORTHBOROUGH RD HOUSTON TX 77067-2508</b>				A. State Manifest Document Number. <b>24086967</b>		B. State Generator's ID. <b>HYHQ36010177</b>				
4. Generator's Phone (281) 874-2238		MFT 240E JMARTIN		C. State Transporter's ID (Reserved)		D. Transporter's Phone <b>510 235-1393</b>				
5. Transporter 1 Company Name <b>Ecology Control Industries</b>		6. US EPA ID Number <b>CA D982030173</b>		E. State Transporter's ID (Reserved)		F. Transporter's Phone				
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility ID		H. Facility's Phone <b>510 235-1393</b>				
9. Designated Facility Name and Site Address: <b>Ecology Control Industries 255 FARR BLVD RICHMOND CA 94801</b>				10. US EPA ID Number <b>CA D009466392</b>						
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) <b>Non-RCRA hazardous waste, solid (EMPTY STORAGE TANK PIPING)</b>				12. Containers No. Type <b>01 CM</b>		13. Total Quantity <b>04000</b>		14. Unit Wt/Val <b>P</b>		15. Waste Number State EPA/Other State EPA/Other State EPA/Other
16. Additional Descriptions for Materials (if used Above) <b>1 EMPTY STORAGE TANK # 32019 S2T1423</b>				17. Handling Date for Waste (if used Above) <b>01/99</b>						
18. Special Handling Instructions and Additional Information <b>Wear proper protective equipment while handling. Weights or volumes are approximate. 24 Hour emergency telephone number (800) 321-5479 (EOI Dispatcher). DOT ERG# 118 SITE ADDRESS: 5251 Hopland Rd Pleasanton, Ca 94566</b>										
19. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name <b>CHRIS WISE</b>				Signature <i>Chris Wise</i>		ON BEHALF OF HS JOP		Month Day Year <b>10 22 04</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>GINA JOHNSON</b>				Signature <i>Gina Johnson</i>				Month Day Year <b>10 22 04</b>		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year		
19. Discrepancy Indication Space										
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name <b>James Wilcox</b>				Signature <i>James Wilcox</i>				Month Day Year <b>10 22 04</b>		

38089

DO NOT WRITE BELOW THIS LINE.

Tank Processing JOB #: S2T1423  
TANK CERTIFICATION

\*\*\*\*\* PART 1 -- To be completed by the Customer\*\*\*\*\*

CUSTOMER: Shell GENERATOR: Shell State Waste Codes: 512  
LOCATION: Pleasanton EPA ID #: CAR000130393 EPA Waste Codes: \_\_\_\_\_  
TRANSPORTER: ECI MANIFEST #: 24086967

	TANK 1	TANK 2	TANK 3	TANK 4	TANK 5	TANK 6
TANK #:	<u>32019</u>	_____	_____	_____	_____	_____
CAPACITY:	<u>20' d Bin</u>	_____	_____	_____	_____	_____
DIAMETER:	<u>2" x 3"</u>	_____	_____	_____	_____	_____
LENGTH:	<u>misc.</u>	_____	_____	_____	_____	_____
STEEL/GLASS:	<u>st/Al</u>	_____	_____	_____	_____	_____
LAST CONTAINED:	<u>UG</u>	_____	_____	_____	_____	_____

LG = Leaded Gas, UG = Unleaded Gas, D = Diesel, UO = Used Oil, FO = Fuel Oil  
Specify the material Last Contained if other than above.

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

The waste represented on this manifest is not generated by a chemical manufacturing plant, coke-by product recovery plant of petroleum refinery. As such, it is not regulated under 40 CFR Part 61, Subpart FF (NESHAPS for Benzene Operations).

\_\_\_\_ Pursuant to 40 CFR 268.7 I am notifying Ecology Control Industries that the material described by the above manifest is a nonwastewater, Non-RCRA solid hazardous waste and not currently subject to EPA Land Disposal Restrictions.

\_\_\_\_ Pursuant to CCR 22 66268.7 I am notifying Ecology Control Industries that the material described by the manifest is a metal containing Non-RCRA solid hazardous waste (66268.29(g)), and an organics containing Non-RCRA solid hazardous waste (66268.29(k)). The treatment standards for these wastes have been repealed. This waste is no longer subject to land disposal restrictions.

I am an authorized agent/representative of the generator. I certify that all information submitted in this and associated documents is complete and accurate to the best of my knowledge. The tanks on the transport equipment have been numbered to correspond with the information provided above. In the event that the tanks do not correspond to the form, I will pay any and all costs incurred in rectifying the discrepancies between the tank(s) and the form. In the event that the tank(s) contain excessive solids or liquids, I agree to pay the cost of preparation, transportation and disposal/recycling of the excess material according to the schedule of charges in effect at the time of receipt of the tank(s). Further, I will not hold Ecology Control Industries responsible for any damage to tanks which occurs after the tanks are removed from the ground.

AUTHORIZED REPRESENTATIVE

SIGNATURE: Chris Wise DATE: 10-15-04

**ATTACHMENT D**

**UNAUTHORIZED RELEASE REPORT**

# UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.		
REPORT DATE 1 <u>0</u> <u>4</u> <u>0</u> <u>4</u>		CASE #		SIGNED _____ DATE _____		
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT TIM WOODSON		PHONE (925) 766-3494		SIGNATURE Tim Woodson 10/12/04	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME SHELL OIL PRODUCTS US			
ADDRESS 20945 S. WILMINGTON AVENUE. CARSON CA 90810						
RESPONSIBLE PARTY	NAME SHELL OIL PRODUCTS US <input type="checkbox"/> UNKNOWN		CONTACT PERSON TIM WOODSON		PHONE (925) 766-3494	
	ADDRESS 20945 S. WILMINGTON AVENUE CARSON CA 90810					
SITE LOCATION	FACILITY NAME (IF APPLICABLE) HOPYARD SHELL AND CAR WASH		OPERATOR CARL COX		PHONE (925) 463-0980	
	ADDRESS 5251 HOPYARD ROAD PLEASANTON ALAMEDA 94566					
	CROSS STREET OWENS DRIVE					
IMPLEMENTING AGENCIES	LOCAL AGENCY LIVERMORE-PLEASANTON FIRE DEPT.		CONTACT PERSON PAUL M. SMITH		PHONE (925) 454-2339	
	REGIONAL BOARD SAN FRANCISCO RWQCB		CONTACT PERSON CHUCK HEADLEE		PHONE (510) 622-2433	
SUBSTANCES INVOLVED	(1) NAME GASOLINE				QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN	
	(2) _____ <input type="checkbox"/> UNKNOWN					
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 <u>9</u> <u>2</u> <u>8</u> <u>0</u> <u>4</u>		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER <b>PRODUCT PIPING REPLACEMENT</b>			
	DATE DISCHARGE BEGAN 0 <u>9</u> <u>2</u> <u>8</u> <u>0</u> <u>4</u>		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> OTHER <b>REPLACE PIPING</b>			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0 <u>9</u> <u>2</u> <u>8</u> <u>0</u> <u>4</u>					
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input checked="" type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER			
	CASE TYPE <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> <b>EXISTING</b> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)					
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input checked="" type="checkbox"/> <b>POLLUTION CHARACTERIZATION (GROUNDWATER MONITORING ONGOING)</b> <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY					
	CHECK APPROPRIATE ACTION(S) <input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT)					
COMMENTS	DURING PRODUCT PIPING REPLACEMENT ACTIVITIES, THE FIBERGLASS LINE WAS RUPTURED DURING EXPOSURE FOR SAMPLING. FRESH GASOLINE WAS OBSERVED ON SOIL AND WATER CONTAINED 1,300,000µg/L TPPH. OVEREXCAVATION WAS PERFORMED ON 9-30-04 AFTER UNDERLYING ELECTRICAL CONDUITS REMOVED.					
	_____					

**Summary of Soil Analytical Data  
Shell-branded Service Station  
5251 Hopyard Road  
Pleasanton, CA**

Sample Designation	Date Sampled	Depth (feet)	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	TAME (mg/kg)	Lab Notes
<b>Geoprobe</b>											
GP-1@5'	8/10/2005	5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<b>0.024</b>	<0.005	S7
GP-1@10'	8/11/2005	10	<b>500</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.005	Q1
GP-1@12.5'	8/11/2005	12.5	<b>660</b>	<0.5	<0.5	<b>4.5</b>	<0.5	<0.5	<2.5	<0.005	H1
GP-1@15'	8/11/2005	15	<b>540</b>	<0.5	<0.5	<b>5.5</b>	<0.5	<0.5	<2.5	<0.005	
GP-1@20'	8/11/2005	20	<b>290</b>	<2.5	<2.5	<b>3.8</b>	<b>4.2</b>	<2.5	<13	<0.005	S3
GP-2@5'	8/10/2005	5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	S7
GP-2@10'	8/11/2005	10	<1.0	<0.005	<0.005	<b>1.4</b>	<b>0.99</b>	<0.005	<b>0.062</b>	<0.005	J3
GP-2@15'	8/11/2005	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<b>0.024</b>	<b>0.026</b>	<0.005
GP-2@20'	8/11/2005	20	<1.0	<0.005	<0.005	<0.005	<0.005	<b>0.012</b>	<b>0.13</b>	<0.005	
GP-3@5'	8/10/2005	5	<1.0	<0.005	<0.005	<0.005	<b>0.0055</b>	<0.005	<0.01	<0.005	
GP-3@10'	8/11/2005	10	<1.0	<0.005	<0.005	<0.005	<0.005	<b>0.0075</b>	<0.01	<0.005	
GP-3@12.5'	8/11/2005	12.5	<1.0	<0.005	<0.005	<0.005	<0.005	<b>0.0061</b>	<b>0.038</b>	<0.005	
GP-3@15'	8/11/2005	15	<1.0	<0.005	<0.005	<0.005	<0.005	<b>0.03</b>	<0.01	<0.005	
GP-3@20'	8/11/2005	20	<1.0	<0.005	<0.005	<0.005	<0.005	<b>0.005</b>	<b>2.3</b>	<0.005	J3
GP-4@5'	8/10/2005	5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	
GP-4@10'	8/11/2005	10	<1.0	<0.005	<0.005	<b>0.022</b>	<0.005	<0.005	<0.011	<0.005	
GP-4@15'	8/11/2005	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	S7
GP-4@20'	8/11/2005	20	<1.0	<0.005	<0.005	<0.005	<0.005	<b>0.013</b>	<0.01	<0.005	
GP-5@5'	8/10/2005	5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	
GP-5@10'	8/11/2005	10	<1.0	<0.005	<b>0.0051</b>	<b>0.046</b>	<b>0.14</b>	<0.005	<0.01	<0.005	
GP-5@15'	8/11/2005	15	<1.0	<0.005	<0.005	<b>0.045</b>	<b>0.19</b>	<0.005	<b>0.011</b>	<0.005	
GP-5@20'	8/11/2005	20	<1.0	<0.005	<0.005	<b>0.013</b>	<b>0.061</b>	<0.005	<0.01	<0.005	
<b>CPT Boring</b>											
CPT-1@5'	8/10/2005	5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	N1

**Notes:**

mg/kg = milligrams per kilogram

TBA = tert-Butyl ether

TPH-G = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tert-butyl ether

J3 = Estimated value. The concentration exceeded the calibration of analysis

N1 = Internal standard out of range

Q1 = Quantity of unknown hydrocarbons(s) in sample based on gasoline

S3 = Surrogate recovery not reportable due to required dilution

S7 = Surrogate recoveries higher than acceptance limits

H1 = Extracted out of holding time

**Delta Env. Consultants San Jose**

August 30, 2005

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Attn.: Lee Dooley  
Project#: SJ52-51H-1  
Project: 98995843  
Site: 5251 Hopyard Road, Pleasanton

Attached is our report for your samples received on 08/12/2005 13:30  
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  
09/26/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,



Melissa Brewer  
Project Manager

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
GP-1@5`	08/10/2005 11:33	Soil	1
GP-2@5`	08/10/2005 10:18	Soil	5
GP-2@10`	08/11/2005 13:02	Soil	6
GP-2@15`	08/11/2005 13:29	Soil	7
GP-2@20`	08/11/2005 13:35	Soil	8
GP-3@5`	08/10/2005 09:28	Soil	9
GP-3@10`	08/11/2005 14:06	Soil	10
GP-3@15`	08/11/2005 14:37	Soil	11
GP-3@20`	08/11/2005 14:46	Soil	12
GP-4@5`	08/10/2005 13:53	Soil	13
GP-4@10`	08/11/2005 08:46	Soil	14
GP-4@15`	08/11/2005 09:40	Soil	15
GP-4@20`	08/11/2005 09:49	Soil	16
GP-5@5`	08/10/2005 08:38	Soil	17
GP-5@10`	08/11/2005 10:18	Soil	18
GP-5@15`	08/11/2005 10:45	Soil	19
GP-5@20`	08/11/2005 10:53	Soil	20
GP-1	08/11/2005 12:08	Water	21
GP-2	08/11/2005 13:45	Water	22
GP-3@10`	08/11/2005 14:10	Water	23
GP-4	08/11/2005 09:55	Water	24
GP-5	08/11/2005 11:00	Water	25
GP-3@12.5`	08/11/2005 14:30	Soil	26
CPT-1@5`	08/10/2005 13:04	Soil	28

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200

San Jose, CA 95119

Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-1@5</b>	Lab ID:	2005-08-0422 - 1
Sampled:	08/10/2005 11:33	Extracted:	8/24/2005 18:52
Matrix:	Soil	QC Batch#:	2005/08/24-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 18:52	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
tert-Butyl alcohol (TBA)	0.024	0.010	mg/Kg	1.00	08/24/2005 18:52	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.2	76-124	%	1.00	08/24/2005 18:52	
Toluene-d8	128.9	75-116	%	1.00	08/24/2005 18:52	S7



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200

San Jose, CA 95119

Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-2@5</b>	Lab ID:	2005-08-0422 - 5
Sampled:	08/10/2005 10:18	Extracted:	8/24/2005 19:13
Matrix:	Soil	QC Batch#:	2005/08/24-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 19:13	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/24/2005 19:13	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	89.7	76-124	%	1.00	08/24/2005 19:13	
Toluene-d8	133.7	75-116	%	1.00	08/24/2005 19:13	S7

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-2@10`</b>	Lab ID: 2005-08-0422 - 6
Sampled: 08/11/2005 13:02	Extracted: 8/25/2005 16:00
Matrix: Soil	QC Batch#: 2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 16:00	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 16:00	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 16:00	
Ethyl benzene	1.4	0.0050	mg/Kg	1.00	08/25/2005 16:00	J3
Total xylenes	0.99	0.0050	mg/Kg	1.00	08/25/2005 16:00	J3
tert-Butyl alcohol (TBA)	0.062	0.010	mg/Kg	1.00	08/25/2005 16:00	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 16:00	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 16:00	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.2	76-124	%	1.00	08/25/2005 16:00	
Toluene-d8	102.6	75-116	%	1.00	08/25/2005 16:00	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-2@15'</b>	Lab ID:	2005-08-0422 - 7
Sampled:	08/11/2005 13:29	Extracted:	8/25/2005 19:37
Matrix:	Soil	QC Batch#:	2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 19:37	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:37	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:37	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:37	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 19:37	
tert-Butyl alcohol (TBA)	0.026	0.010	mg/Kg	1.00	08/25/2005 19:37	
Methyl tert-butyl ether (MTBE)	0.024	0.0050	mg/Kg	1.00	08/25/2005 19:37	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 19:37	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.5	76-124	%	1.00	08/25/2005 19:37	
Toluene-d8	86.8	75-116	%	1.00	08/25/2005 19:37	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	GP-2@20	Lab ID:	2005-08-0422 - 8
Sampled:	08/11/2005 13:35	Extracted:	8/25/2005 19:58
Matrix:	Soil	QC Batch#:	2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 19:58	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:58	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:58	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 19:58	
tert-Butyl alcohol (TBA)	0.13	0.010	mg/Kg	1.00	08/25/2005 19:58	
Methyl tert-butyl ether (MTBE)	0.012	0.0050	mg/Kg	1.00	08/25/2005 19:58	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 19:58	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.5	76-124	%	1.00	08/25/2005 19:58	
Toluene-d8	102.4	75-116	%	1.00	08/25/2005 19:58	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	GP-3@5	Lab ID:	2005-08-0422 - 9
Sampled:	08/10/2005 09:28	Extracted:	8/24/2005 19:35
Matrix:	Soil	QC Batch#:	2005/08/24-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 19:35	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:35	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:35	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:35	
Total xylenes	0.0055	0.0050	mg/Kg	1.00	08/24/2005 19:35	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/24/2005 19:35	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:35	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:35	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	109.5	76-124	%	1.00	08/24/2005 19:35	
Toluene-d8	110.1	75-116	%	1.00	08/24/2005 19:35	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-3@10`</b>	Lab ID: 2005-08-0422 - 10
Sampled: 08/11/2005 14:06	Extracted: 8/25/2005 20:19
Matrix: Soil	QC Batch#: 2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 20:19	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:19	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:19	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:19	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 20:19	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 20:19	
Methyl tert-butyl ether (MTBE)	0.0075	0.0050	mg/Kg	1.00	08/25/2005 20:19	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:19	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.8	76-124	%	1.00	08/25/2005 20:19	
Toluene-d8	83.8	75-116	%	1.00	08/25/2005 20:19	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-3@15'</b>	Lab ID: 2005-08-0422 - 11
Sampled: 08/11/2005 14:37	Extracted: 8/25/2005 20:40
Matrix: Soil	QC Batch#: 2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 20:40	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:40	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:40	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:40	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 20:40	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 20:40	
Methyl tert-butyl ether (MTBE)	0.030	0.0050	mg/Kg	1.00	08/25/2005 20:40	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:40	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.8	76-124	%	1.00	08/25/2005 20:40	
Toluene-d8	114.2	75-116	%	1.00	08/25/2005 20:40	

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-3@20</b>	Lab ID: 2005-08-0422 - 12
Sampled: 08/11/2005 14:46	Extracted: 8/25/2005 21:01
Matrix: Soil	QC Batch#: 2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 21:01	J3
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:01	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:01	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:01	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 21:01	
tert-Butyl alcohol (TBA)	2.3	0.010	mg/Kg	1.00	08/25/2005 21:01	
Methyl tert-butyl ether (MTBE)	0.0050	0.0050	mg/Kg	1.00	08/25/2005 21:01	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:01	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	113.4	76-124	%	1.00	08/25/2005 21:01	
Toluene-d8	105.6	75-116	%	1.00	08/25/2005 21:01	



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-4@5</b>	Lab ID:	2005-08-0422 - 13
Sampled:	08/10/2005 13:53	Extracted:	8/24/2005 19:57
Matrix:	Soil	QC Batch#:	2005/08/24-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 19:57	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/24/2005 19:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.2	76-124	%	1.00	08/24/2005 19:57	
Toluene-d8	109.4	75-116	%	1.00	08/24/2005 19:57	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-4@10`</b>	Lab ID:	2005-08-0422 - 14
Sampled:	08/11/2005 08:46	Extracted:	8/25/2005 21:22
Matrix:	Soil	QC Batch#:	2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 21:22	L4
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:22	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:22	
Ethyl benzene	0.022	0.0050	mg/Kg	1.00	08/25/2005 21:22	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 21:22	
tert-Butyl alcohol (TBA)	ND	0.011	mg/Kg	1.00	08/25/2005 21:22	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:22	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:22	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.3	76-124	%	1.00	08/25/2005 21:22	
Toluene-d8	107.3	75-116	%	1.00	08/25/2005 21:22	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-4@15'</b>	Lab ID:	2005-08-0422 - 15
Sampled:	08/11/2005 09:40	Extracted:	8/25/2005 21:45
Matrix:	Soil	QC Batch#:	2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 21:45	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 21:45	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.3	76-124	%	1.00	08/25/2005 21:45	
Toluene-d8	136.2	75-116	%	1.00	08/25/2005 21:45	S7

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-4@20</b>	Lab ID: 2005-08-0422 - 16
Sampled: 08/11/2005 09:49	Extracted: 8/25/2005 22:06
Matrix: Soil	QC Batch#: 2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 22:06	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 22:06	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 22:06	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 22:06	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 22:06	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 22:06	
Methyl tert-butyl ether (MTBE)	0.013	0.0050	mg/Kg	1.00	08/25/2005 22:06	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 22:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.3	76-124	%	1.00	08/25/2005 22:06	
Toluene-d8	105.6	75-116	%	1.00	08/25/2005 22:06	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-5@5</b>	Lab ID:	2005-08-0422 - 17
Sampled:	08/10/2005 08:38	Extracted:	8/24/2005 20:18
Matrix:	Soil	QC Batch#:	2005/08/24-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 20:18	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/24/2005 20:18	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.5	76-124	%	1.00	08/24/2005 20:18	
Toluene-d8	82.3	75-116	%	1.00	08/24/2005 20:18	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	GP-5@10`	Lab ID:	2005-08-0422 - 18
Sampled:	08/11/2005 10:18	Extracted:	8/25/2005 20:22
Matrix:	Soil	QC Batch#:	2005/08/25-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 20:22	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:22	
Toluene	0.0051	0.0050	mg/Kg	1.00	08/25/2005 20:22	
Ethyl benzene	0.046	0.0050	mg/Kg	1.00	08/25/2005 20:22	
Total xylenes	0.14	0.0050	mg/Kg	1.00	08/25/2005 20:22	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 20:22	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:22	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:22	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.7	76-124	%	1.00	08/25/2005 20:22	
Toluene-d8	90.9	75-116	%	1.00	08/25/2005 20:22	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	GP-5@15	Lab ID:	2005-08-0422 - 19
Sampled:	08/11/2005 10:45	Extracted:	8/25/2005 11:25
Matrix:	Soil	QC Batch#:	2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 11:25	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 11:25	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 11:25	
Ethyl benzene	0.045	0.0050	mg/Kg	1.00	08/25/2005 11:25	
Total xylenes	0.19	0.0050	mg/Kg	1.00	08/25/2005 11:25	
tert-Butyl alcohol (TBA)	0.011	0.010	mg/Kg	1.00	08/25/2005 11:25	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 11:25	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 11:25	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	91.8	76-124	%	1.00	08/25/2005 11:25	
Toluene-d8	99.5	75-116	%	1.00	08/25/2005 11:25	

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Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	GP-5@20	Lab ID:	2005-08-0422 - 20
Sampled:	08/11/2005 10:53	Extracted:	8/25/2005 20:48
Matrix:	Soil	QC Batch#:	2005/08/25-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 20:48	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:48	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:48	
Ethyl benzene	0.013	0.0050	mg/Kg	1.00	08/25/2005 20:48	
Total xylenes	0.061	0.0050	mg/Kg	1.00	08/25/2005 20:48	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 20:48	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:48	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:48	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.3	76-124	%	1.00	08/25/2005 20:48	
Toluene-d8	96.9	75-116	%	1.00	08/25/2005 20:48	



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-1</b>	Lab ID: 2005-08-0422 - 21
Sampled: 08/11/2005 12:08	Extracted: 8/25/2005 12:22
Matrix: Water	QC Batch#: 2005/08/25-1B.65
Analysis Flag: L2, pH: <2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	38000	5000	ug/L	100.00	08/25/2005 12:22	
Benzene	ND	50	ug/L	100.00	08/25/2005 12:22	
Toluene	ND	50	ug/L	100.00	08/25/2005 12:22	
Ethylbenzene	3100	50	ug/L	100.00	08/25/2005 12:22	
Total xylenes	1600	100	ug/L	100.00	08/25/2005 12:22	
tert-Butyl alcohol (TBA)	ND	500	ug/L	100.00	08/25/2005 12:22	
Methyl tert-butyl ether (MTBE)	ND	50	ug/L	100.00	08/25/2005 12:22	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	08/25/2005 12:22	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.6	73-130	%	100.00	08/25/2005 12:22	
Toluene-d8	101.3	81-114	%	100.00	08/25/2005 12:22	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

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San Jose, CA 95119

Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-2</b>	Lab ID: 2005-08-0422 - 22
Sampled: 08/11/2005 13:45	Extracted: 8/25/2005 12:48
Matrix: Water	QC Batch#: 2005/08/25-1B.65
Analysis Flag: L2, pH: 7 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1000	ug/L	20.00	08/25/2005 12:48	
Benzene	ND	10	ug/L	20.00	08/25/2005 12:48	
Toluene	ND	10	ug/L	20.00	08/25/2005 12:48	
Ethylbenzene	ND	10	ug/L	20.00	08/25/2005 12:48	
Total xylenes	ND	20	ug/L	20.00	08/25/2005 12:48	
tert-Butyl alcohol (TBA)	3900	100	ug/L	20.00	08/25/2005 12:48	
Methyl tert-butyl ether (MTBE)	35	10	ug/L	20.00	08/25/2005 12:48	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	08/25/2005 12:48	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	111.0	73-130	%	20.00	08/25/2005 12:48	
Toluene-d8	100.4	81-114	%	20.00	08/25/2005 12:48	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-3@10`</b>	Lab ID: 2005-08-0422 - 23
Sampled: 08/11/2005 14:10	Extracted: 8/25/2005 03:32
Matrix: Water	QC Batch#: 2005/08/24-2A.62
pH: 7	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	08/25/2005 03:32	
Benzene	ND	0.50	ug/L	1.00	08/25/2005 03:32	
Toluene	ND	0.50	ug/L	1.00	08/25/2005 03:32	
Ethylbenzene	ND	0.50	ug/L	1.00	08/25/2005 03:32	
Total xylenes	ND	1.0	ug/L	1.00	08/25/2005 03:32	
tert-Butyl alcohol (TBA)	190	5.0	ug/L	1.00	08/25/2005 03:32	
Methyl tert-butyl ether (MTBE)	32	0.50	ug/L	1.00	08/25/2005 03:32	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/25/2005 03:32	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	85.6	73-130	%	1.00	08/25/2005 03:32	
Toluene-d8	94.4	81-114	%	1.00	08/25/2005 03:32	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-4</b>	Lab ID: 2005-08-0422 - 24
Sampled: 08/11/2005 09:55	Extracted: 8/25/2005 03:06
Matrix: Water	QC Batch#: 2005/08/24-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	72	50	ug/L	1.00	08/25/2005 03:06	
Benzene	ND	0.50	ug/L	1.00	08/25/2005 03:06	
Toluene	ND	0.50	ug/L	1.00	08/25/2005 03:06	
Ethylbenzene	2.6	0.50	ug/L	1.00	08/25/2005 03:06	
Total xylenes	4.7	1.0	ug/L	1.00	08/25/2005 03:06	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/25/2005 03:06	
Methyl tert-butyl ether (MTBE)	28	0.50	ug/L	1.00	08/25/2005 03:06	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/25/2005 03:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	83.9	73-130	%	1.00	08/25/2005 03:06	
Toluene-d8	95.1	81-114	%	1.00	08/25/2005 03:06	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-5</b>	Lab ID: 2005-08-0422 - 25
Sampled: 08/11/2005 11:00	Extracted: 8/25/2005 11:56
Matrix: Water	QC Batch#: 2005/08/25-1B.65
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	570	50	ug/L	1.00	08/25/2005 11:56	
Benzene	ND	0.50	ug/L	1.00	08/25/2005 11:56	
Toluene	26	0.50	ug/L	1.00	08/25/2005 11:56	
Ethylbenzene	75	0.50	ug/L	1.00	08/25/2005 11:56	
Total xylenes	260	1.0	ug/L	1.00	08/25/2005 11:56	
tert-Butyl alcohol (TBA)	20	5.0	ug/L	1.00	08/25/2005 11:56	
Methyl tert-butyl ether (MTBE)	5.0	0.50	ug/L	1.00	08/25/2005 11:56	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/25/2005 11:56	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.2	73-130	%	1.00	08/25/2005 11:56	
Toluene-d8	97.6	81-114	%	1.00	08/25/2005 11:56	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-3@12.5'</b>	Lab ID: 2005-08-0422 - 26
Sampled: 08/11/2005 14:30	Extracted: 8/25/2005 21:13
Matrix: Soil	QC Batch#: 2005/08/25-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 21:13	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:13	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:13	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:13	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 21:13	
tert-Butyl alcohol (TBA)	0.038	0.010	mg/Kg	1.00	08/25/2005 21:13	
Methyl tert-butyl ether (MTBE)	0.0061	0.0050	mg/Kg	1.00	08/25/2005 21:13	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:13	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	93.7	76-124	%	1.00	08/25/2005 21:13	
Toluene-d8	98.6	75-116	%	1.00	08/25/2005 21:13	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: CPT-1@5	Lab ID: 2005-08-0422 - 28
Sampled: 08/10/2005 13:04	Extracted: 8/24/2005 20:39
Matrix: Soil	QC Batch#: 2005/08/24-1A.69
Analysis Flag: N1 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 20:39	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/24/2005 20:39	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	108.3	76-124	%	1.00	08/24/2005 20:39	
Toluene-d8	112.6	75-116	%	1.00	08/24/2005 20:39	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2005/08/24-1A.69-020

**Soil**

Test(s): 8260B

**QC Batch # 2005/08/24-1A.69**

Date Extracted: 08/24/2005 18:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	08/24/2005 18:20	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	08/24/2005 18:20	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/24/2005 18:20	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	08/24/2005 18:20	
Benzene	ND	0.0050	mg/Kg	08/24/2005 18:20	
Toluene	ND	0.0050	mg/Kg	08/24/2005 18:20	
Ethyl benzene	ND	0.0050	mg/Kg	08/24/2005 18:20	
Total xylenes	ND	0.0050	mg/Kg	08/24/2005 18:20	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.6	76-124	%	08/24/2005 18:20	
Toluene-d8	102.0	75-116	%	08/24/2005 18:20	



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2005/08/24-2A.62**

MB: 2005/08/24-2A.62-045

Date Extracted: 08/24/2005 18:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/24/2005 18:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/24/2005 18:45	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/24/2005 18:45	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/24/2005 18:45	
Benzene	ND	0.5	ug/L	08/24/2005 18:45	
Toluene	ND	0.5	ug/L	08/24/2005 18:45	
Ethylbenzene	ND	0.5	ug/L	08/24/2005 18:45	
Total xylenes	ND	1.0	ug/L	08/24/2005 18:45	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	86.8	73-130	%	08/24/2005 18:45	
Toluene-d8	98.0	81-114	%	08/24/2005 18:45	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2005/08/25-1B.65**

MB: 2005/08/25-1B.65-032

Date Extracted: 08/25/2005 09:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/25/2005 09:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/25/2005 09:32	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/25/2005 09:32	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/25/2005 09:32	
Benzene	ND	0.5	ug/L	08/25/2005 09:32	
Toluene	ND	0.5	ug/L	08/25/2005 09:32	
Ethylbenzene	ND	0.5	ug/L	08/25/2005 09:32	
Total xylenes	ND	1.0	ug/L	08/25/2005 09:32	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	97.6	73-130	%	08/25/2005 09:32	
Toluene-d8	97.6	81-114	%	08/25/2005 09:32	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/08/25-1B.69**

MB: 2005/08/25-1B.69-054

Date Extracted: 08/25/2005 10:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	08/25/2005 10:54	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	08/25/2005 10:54	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/25/2005 10:54	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	08/25/2005 10:54	
Benzene	ND	0.0050	mg/Kg	08/25/2005 10:54	
Toluene	ND	0.0050	mg/Kg	08/25/2005 10:54	
Ethyl benzene	ND	0.0050	mg/Kg	08/25/2005 10:54	
Total xylenes	ND	0.0050	mg/Kg	08/25/2005 10:54	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	88.0	76-124	%	08/25/2005 10:54	
Toluene-d8	113.4	75-116	%	08/25/2005 10:54	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B Test(s): 8260B  
**Method Blank** **Soil** **QC Batch # 2005/08/25-3A.62**  
 MB: 2005/08/25-3A.62-032 Date Extracted: 08/25/2005 19:32  
 Analysis Flag: N2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	08/25/2005 19:32	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	08/25/2005 19:32	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/25/2005 19:32	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	08/25/2005 19:32	
Benzene	ND	0.0050	mg/Kg	08/25/2005 19:32	
Toluene	ND	0.0050	mg/Kg	08/25/2005 19:32	
Ethyl benzene	ND	0.0050	mg/Kg	08/25/2005 19:32	
Total xylenes	ND	0.0050	mg/Kg	08/25/2005 19:32	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	96.4	76-124	%	08/25/2005 19:32	
Toluene-d8	96.0	75-116	%	08/25/2005 19:32	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/08/24-1A.69**

LCS 2005/08/24-1A.69-013

Extracted: 08/24/2005

Analyzed: 08/24/2005 16:13

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0530		0.05	106.0			65-165	20		
Benzene	0.0422		0.05	84.4			69-129	20		
Toluene	0.0488		0.05	97.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	470		500	94.0			76-124			
Toluene-d8	536		500	107.2			75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
<b>Laboratory Control Spike</b>				<b>Water</b>			<b>QC Batch # 2005/08/24-2A.62</b>			
LCS	2005/08/24-2A.62-018			Extracted: 08/24/2005			Analyzed: 08/24/2005 18:18			
LCSD										

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.2		25	104.8			65-165	20		
Benzene	25.4		25	101.6			69-129	20		
Toluene	26.1		25	104.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	401		500	80.2			73-130			
Toluene-d8	473		500	94.6			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
<b>Laboratory Control Spike</b>				<b>Water</b>			<b>QC Batch # 2005/08/25-1B.65</b>			
LCS	2005/08/25-1B.65-006			Extracted: 08/25/2005			Analyzed: 08/25/2005 09:06			
LCSD										

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.5		25	102.0			65-165	20		
Benzene	25.1		25	100.4			69-129	20		
Toluene	26.1		25	104.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	439		500	87.8			73-130			
Toluene-d8	488		500	97.6			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report									
Prep(s): 5030B						Test(s): 8260B			
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/08/25-1B.69</b>			
LCS	2005/08/25-1B.69-056		Extracted: 08/25/2005			Analyzed: 08/25/2005 09:56			
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0530		0.05	106.0			65-165	20		
Benzene	0.0442		0.05	88.4			69-129	20		
Toluene	0.0496		0.05	99.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	488		500	97.6			76-124			
Toluene-d8	551		500	110.2			75-116			



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report									
Prep(s): 5030B						Test(s): 8260B			
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/08/25-3A.62</b>			
LCS	2005/08/25-3A.62-006		Extracted: 08/25/2005			Analyzed: 08/25/2005 19:06			
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0541		0.049212	110.0			65-165	20		
Benzene	0.0494		0.049212	100.4			69-129	20		
Toluene	0.0492		0.049212	100.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	426		500	85.2			76-124			
Toluene-d8	473		500	94.6			75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2005/08/24-1A.69**

MS/MSD

Lab ID: 2005-08-0600 - 002

MS: 2005/08/24-1A.69-027

Extracted: 08/24/2005

Analyzed: 08/24/2005 23:27

Dilution: 1.00

MSD: 2005/08/24-1A.69-049

Extracted: 08/24/2005

Analyzed: 08/24/2005 23:49

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0589	0.0571	ND	0.047081	125.1	118.1	5.8	65-165	20		
Benzene	0.0386	0.0486	ND	0.047081	82.0	100.5	20.3	69-129	20		R1
Toluene	0.0346	0.0360	ND	0.047081	73.5	74.4	1.2	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	430	491		500	86.0	98.2		76-124			
Toluene-d8	406	354		500	81.2	70.8		75-116			S8

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 5030B	Test(s): 8260B		
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2005/08/24-2A.62</b>	
MS/MSD		Lab ID:	2005-08-0397 - 006
MS: 2005/08/24-2A.62-043	Extracted: 08/24/2005	Analyzed:	08/24/2005 19:45
		Dilution:	10.00
MSD: 2005/08/24-2A.62-011	Extracted: 08/24/2005	Analyzed:	08/24/2005 20:11
		Dilution:	10.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	314	356	101	250	85.2	102.0	17.9	65-165	20		
Benzene	244	291	27	250	86.8	105.6	19.5	69-129	20		
Toluene	220	270	0.91	250	87.6	107.6	20.5	70-130	20		R1
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	455	472		500	91.0	94.4		73-130			
Toluene-d8	495	497		500	99.0	99.4		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 5030B	Test(s): 8260B		
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2005/08/25-1B.65</b>	
MS/MSD		Lab ID:	2005-08-0668 - 001
MS: 2005/08/25-1B.65-039	Extracted: 08/25/2005	Analyzed:	08/25/2005 10:39
		Dilution:	1.00
MSD: 2005/08/25-1B.65-005	Extracted: 08/25/2005	Analyzed:	08/25/2005 11:05
		Dilution:	1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	25.0	20.4	ND	25	100.0	81.6	20.3	65-165	20		R4
Benzene	23.0	23.3	ND	25	92.0	93.2	1.3	69-129	20		
Toluene	24.0	23.4	ND	25	96.0	93.6	2.5	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	466	471		500	93.3	94.2		73-130			
Toluene-d8	488	495		500	97.6	99.0		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report											
Prep(s): 5030B						Test(s): 8260B					
<b>Matrix Spike ( MS / MSD )</b>				<b>Soil</b>				<b>QC Batch # 2005/08/25-1B.69</b>			
GP-5@15` >> MS						Lab ID: 2005-08-0422 - 019					
MS: 2005/08/25-1B.69-046			Extracted: 08/25/2005			Analyzed: 08/25/2005 11:46			Dilution: 1.00		
MSD: 2005/08/25-1B.69-007			Extracted: 08/25/2005			Analyzed: 08/25/2005 12:07			Dilution: 1.00		

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0406	0.0345	ND	0.049115	82.7	70.4	16.1	65-165	20		
Benzene	0.0330	0.0410	ND	0.049115	67.2	83.6	21.8	69-129	20	M5	R1
Toluene	0.0428	0.0426	ND	0.049115	87.2	86.9	0.3	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	436	461		500	87.2	92.2		76-124			
Toluene-d8	536	490		500	107.2	98.0		75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report											
Prep(s): 5030B						Test(s): 8260B					
<b>Matrix Spike ( MS / MSD )</b>				<b>Soil</b>				<b>QC Batch # 2005/08/25-3A.62</b>			
MS/MSD						Lab ID: 2005-08-0701 - 001					
MS: 2005/08/25-3A.62-041			Extracted: 08/26/2005			Analyzed: 08/26/2005 02:41			Dilution: 1.00		
MSD: 2005/08/25-3A.62-001			Extracted: 08/26/2005			Analyzed: 08/26/2005 03:06			Dilution: 1.00		

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.297	0.275	ND	0.242718	122.2	122.1	0.1	65-165	20		
Benzene	1.14	1.28	1.06	0.242718	33.0	97.7	99.2	69-129	20	M3	R1
Toluene	4.49	4.71	5.05	0.242718	-230.5	-151.0	-41.	70-130	20	M3	M3,R1
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	439	434		500	87.8	86.8		76-124			
Toluene-d8	455	480		500	91.0	96.0		75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Legend and Notes**

**Report Comment**

Ethylbenzene and Total Xylenes for GP-2@10` were reported as estimated values due to values which fell outside of the upper calibration range. Ethylbenzene was 1.4 and Total Xylenes was 0.99 with the instruments calibrated to 0.40 and 0.80, respectively.

TBA for GP-3@20` was reported as an estimate because this result, 2.3, was higher than the upper calibration value for the instrument (1.0).

**Sample Comment**

Lab ID: 2005-08-0422 -28

Chlorobenzene-d5 recovery low therefore results for Ethylbenzene and Xylenes are biased high. Sample is non-detect for these compounds.

**Analysis Flag**

L2

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

N1

Internal standard out of range.

N2

CCV Recovery above limit;analyte not detected;  
Results are valid even though CCV recovery outside limts.

**Result Flag**

J3

Estimated value. The concentration exceeded the calibration of analysis.

L4

Reporting limits were raised due to matrix interference.

M3

Sample > 4x spike concentration.

M5

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

08/30/2005 11:42

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

MS/MSD spike recoveries were below acceptance limits.

See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

R4

RPD exceeded method control limit; % recoveries within limits.

S7

Surrogate recoveries higher than acceptance limits.

S8

Surrogate recoveries lower than acceptance limits.



**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
GP-1@10`	08/11/2005 10:24	Soil	2
GP-1@15`	08/11/2005 11:50	Soil	3
GP-1@20`	08/11/2005 11:57	Soil	4
GP-1@12.5`	08/11/2005 11:35	Soil	27

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-1@10`</b>	Lab ID: 2005-08-0422 - 2
Sampled: 08/11/2005 10:24	Extracted: 8/25/2005 22:04
Matrix: Soil	QC Batch#: 2005/08/25-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	500	50	mg/Kg	1.00	08/25/2005 22:04	Q1
Benzene	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
Toluene	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
Ethyl benzene	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
Total xylenes	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	08/25/2005 22:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	88.9	53-129	%	1.00	08/25/2005 22:04	
Toluene-d8	92.5	47-136	%	1.00	08/25/2005 22:04	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-1@15'</b>	Lab ID:	2005-08-0422 - 3
Sampled:	08/11/2005 11:50	Extracted:	8/25/2005 22:29
Matrix:	Soil	QC Batch#:	2005/08/25-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	540	50	mg/Kg	1.00	08/25/2005 22:29	
Benzene	ND	0.50	mg/Kg	1.00	08/25/2005 22:29	
Toluene	ND	0.50	mg/Kg	1.00	08/25/2005 22:29	
Ethyl benzene	5.5	0.50	mg/Kg	1.00	08/25/2005 22:29	
Total xylenes	ND	0.50	mg/Kg	1.00	08/25/2005 22:29	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	08/25/2005 22:29	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	08/25/2005 22:29	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	08/25/2005 22:29	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.7	53-129	%	1.00	08/25/2005 22:29	
Toluene-d8	97.0	47-136	%	1.00	08/25/2005 22:29	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-1@20</b>	Lab ID: 2005-08-0422 - 4
Sampled: 08/11/2005 11:57	Extracted: 8/25/2005 22:54
Matrix: Soil	QC Batch#: 2005/08/25-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	290	250	mg/Kg	5.00	08/25/2005 22:54	
Benzene	ND	2.5	mg/Kg	5.00	08/25/2005 22:54	
Toluene	ND	2.5	mg/Kg	5.00	08/25/2005 22:54	
Ethyl benzene	3.8	2.5	mg/Kg	5.00	08/25/2005 22:54	
Total xylenes	4.2	2.5	mg/Kg	5.00	08/25/2005 22:54	
tert-Butyl alcohol (TBA)	ND	13	mg/Kg	5.00	08/25/2005 22:54	
Methyl tert-butyl ether (MTBE)	ND	2.5	mg/Kg	5.00	08/25/2005 22:54	
tert-Amyl methyl ether (TAME)	ND	2.5	mg/Kg	5.00	08/25/2005 22:54	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	NA	53-129	%	5.00	08/25/2005 22:54	S3
Toluene-d8	NA	47-136	%	5.00	08/25/2005 22:54	S3

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-1@12.5`</b>	Lab ID: 2005-08-0422 - 27
Sampled: 08/11/2005 11:35	Extracted: 8/28/2005 04:01
Matrix: Soil	QC Batch#: 2005/08/27-3A.62
Analysis Flag: ,H1 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	660	50	mg/Kg	1.00	08/28/2005 04:01	
Benzene	ND	0.50	mg/Kg	1.00	08/28/2005 04:01	
Toluene	ND	0.50	mg/Kg	1.00	08/28/2005 04:01	
Ethyl benzene	4.5	0.50	mg/Kg	1.00	08/28/2005 04:01	
Total xylenes	ND	0.50	mg/Kg	1.00	08/28/2005 04:01	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	08/28/2005 04:01	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	08/28/2005 04:01	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	08/28/2005 04:01	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.6	53-129	%	1.00	08/28/2005 04:01	
Toluene-d8	99.4	47-136	%	1.00	08/28/2005 04:01	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/08/25-3A.69**

MB: 2005/08/25-3A.69-006

Date Extracted: 08/26/2005 04:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	08/26/2005 04:06	
Benzene	ND	0.50	mg/Kg	08/26/2005 04:06	
Toluene	ND	0.50	mg/Kg	08/26/2005 04:06	
Ethyl benzene	ND	0.50	mg/Kg	08/26/2005 04:06	
Total xylenes	ND	0.50	mg/Kg	08/26/2005 04:06	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	08/26/2005 04:06	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	08/26/2005 04:06	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	08/26/2005 04:06	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.2	53-129	%	08/26/2005 04:06	
Toluene-d8	114.4	47-136	%	08/26/2005 04:06	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/08/27-3A.62**

MB: 2005/08/27-3A.62-048

Date Extracted: 08/30/2005 11:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	08/30/2005 11:48	
Benzene	ND	0.50	mg/Kg	08/30/2005 11:48	
Toluene	ND	0.50	mg/Kg	08/30/2005 11:48	
Ethyl benzene	ND	0.50	mg/Kg	08/30/2005 11:48	
Total xylenes	ND	0.50	mg/Kg	08/30/2005 11:48	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	08/30/2005 11:48	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	08/30/2005 11:48	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	08/30/2005 11:48	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	97.6	53-129	%	08/30/2005 11:48	
Toluene-d8	96.0	47-136	%	08/30/2005 11:48	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/08/25-3A.69</b>				
LCS	2005/08/25-3A.69-005		Extracted: 08/27/2005			Analyzed: 08/27/2005 04:06				
LCSD	2005/08/25-3A.69-032		Extracted: 08/27/2005			Analyzed: 08/27/2005 04:32				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	8.94	9.30	10	89.4	93.0	3.9	69-129	20		
Toluene	11.8	11.3	10	118.0	113.0	4.3	70-130	20		
Methyl tert-butyl ether (MTBE)	7.29	8.91	10	72.9	89.1	20.0	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	281	281	250	112.4	112.4		53-129			
Toluene-d8	330	295	250	132.0	118.0		47-136			



**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
<b>Laboratory Control Spike</b>	<b>Soil</b>	<b>QC Batch # 2005/08/27-3A.62</b>	
LCS 2005/08/27-3A.62-028	Extracted: 08/29/2005	Analyzed: 08/29/2005 15:28	
LCSD 2005/08/27-3A.62-054	Extracted: 08/29/2005	Analyzed: 08/29/2005 15:54	

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	11.2	11.3	10	112.0	113.0	0.9	69-129	20		
Toluene	10.7	10.9	10	107.0	109.0	1.9	70-130	20		
Methyl tert-butyl ether (MTBE)	10.2	10.9	10	102.0	109.0	6.6	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	279	265	250	111.6	106.0		53-129			
Toluene-d8	284	277	250	113.6	110.8		47-136			

**Gas/BTEX Fuel Oxygenates by 8260B (High Level)**

Delta Env. Consultants San Jose

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Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Legend and Notes**

**Analysis Flag**

H1

Extracted out of holding time.

**Result Flag**

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

S3

Surrogate recovery not reportable due to required dilution.



17577

1720  
20  
185009

1220 Quarry Lane  
Pleasanton, CA

(925)484-1919 (925)484-1096 fax

Equiva Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Denis Brown

2005-08-0422

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 3

SAP or CRMT NUMBER (TS/CRMT)

DATE: 8/12/05

PAGE: 2 of 3

SAMPLING COMPANY: <b>Delta Environmental Consultants</b>		LOG CODE:	SITE ADDRESS (Street and City): <b>5251 Hopyard Road, Pleasanton</b>		GLOBAL ID NO.: <b>T0600101267</b>
ADDRESS: <b>175 Bernal Rd #200, San Jose, CA 95119</b>		EDF DELIVERABLE TO (Responsible Party or Designee): <b>Vera Fischer</b>	PHONE NO.: <b>928-468-6417</b>	EMAIL: <b>vfischer@deltaenv.com</b>	CONSULTANT PROJECT NO.: <b>SJ52-51H-1</b>
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Lee Dooley</b>		SAMPLER NAME(S) (Print): <b>Heather Buckingham</b>			LAB USE ONLY
TELEPHONE: <b>(408) 224-4724</b>	FAX: <b>(408) 225-8506</b>	EMAIL: <b>ldooley@deltaenv.com</b>			

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															FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	TBA and TAME	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 3416m)	Vapor Fixed Gases (ASTM D1946)	
															TEMPERATURE ON RECEIPT C° <b>3</b>

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)	TBA and TAME	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 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B-...)	Total Lead 8010B per Shell's Disp. tes	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT C°	
		DATE	TIME																							
	12 GP-3@20'	8/11/2005	14:46	soil	1	x	x	x				x														
	13 GP-4@5'	8/10/2005	13:53	soil	1	x	x	x				x														
	14 GP-4@10'	8/11/2005	8:46	soil	1	x	x	x				x														
	15 GP-4@15'	8/11/2005	9:40	soil	1	x	x	x				x														
	16 GP-4@20'	8/11/2005	9:49	soil	1	x	x	x				x														
	17 GP-5@5'	8/10/2005	8:38	soil	1	x	x	x				x														
	18 GP-5@10'	8/11/2005	10:18	soil	1	x	x	x				x														
	19 GP-5@15'	8/11/2005	10:45	soil	1	x	x	x				x														
	20 GP-5@20'	8/11/2005	10:53	soil	1	x	x	x				x														
	21 GP-1	8/11/2005	12:08	water	4	x	x	x				x														
	22 GP-2	8/11/2005	13:45	water	4	x	x	x				x														

Requested by: (Signature) <i>Heather Buckingham</i>	Received by: (Signature) <i>[Signature]</i>	Date: 8/12/05	Time: 1330
Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 8/12/05	Time: 1620
Requested by: (Signature)	Received by: (Signature)	Date:	Time:

117.577

1220 Quarry Lane  
Pleasanton, CA

Equiva Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Denis Brown

2005-08-0422

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 3

SAP or CRMT NUMBER (TS/CRMT)

DATE: 8/12/05

PAGE: 3 of 3

(925)484-1919 (925)484-1096 fax

SAMPLING COMPANY: <b>Delta Environmental Consultants</b>		LOG CODE:	SITE ADDRESS (Street and City): <b>5251 Hopyard Road, Pleasanton</b>		GLOBAL ID NO.: <b>T0600101267</b>
ADDRESS: <b>175 Bernal Rd #200, San Jose, CA 95119</b>		EDF DELIVERABLE TO (Responsible Party or Designer): <b>Vera Fischer</b>		PHONE NO.: <b>928-468-6417</b>	E-MAIL: <b>vfischer@deltaenv.com</b>
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Lee Dooley</b>		SAMPLER NAME(S) (Print): <b>Heather Buckingham</b>		CONSULTANT PROJECT NO.: <b>SJ52-51H-1</b>	
TELEPHONE: <b>(408) 224-4724</b>	FAX: <b>(408) 226-8506</b>	E-MAIL: <b>ldooley@deltaenv.com</b>		LAB USE ONLY	

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

LA - RWQCB REPORT FORMAT  UST AGENCY:

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

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDO IS NEEDED:

REQUESTED ANALYSIS

TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	TBA and TAME	EDB & 1,2-DCA (8260B)	EPA 5045 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 D1946)	Test for Disposal (4B-...)	Total Lead 8010B per Shell's Disp. test	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note

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

TEMPERATURE ON RECEIPT: 3

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
23	GP-3@10'	8/11/2005	14:10	water	4
24	GP-4	8/11/2005	9:55	water	4
25	GP-5	8/11/2005	11:00	water	4
26	GP-3@12.5'	8/11/2005	14:30	soil	1
27	GP-1@12.5'	8/11/2005	11:35	soil	1
28	CPT-1@5'	8/10/2005	13:04	soil	1

Received by: (Signature) <i>Heather Buckingham</i> (10:08)	Date: 8/12/05	Time: 1330
Received by: (Signature) <i>[Signature]</i>	Date: 8/12/05	Time: 1626
Received by: (Signature) <i>[Signature]</i>	Date:	Time:

**Table 2**  
**Summary of Groundwater Analytical Data**  
Shell Service Station  
5251 Hopyard Road  
Dublin, California

Sample Designation	Date Sampled	Depth (feet bg)	TPH-G (ug/l)	TPH-D (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylene (ug/l)	MTBE (ug/l)	TBA (ug/l)	TAME (ug/l)	Lab Notes
<b>Grab Groundwater Samples</b>												
GP-1	8/11/2005	22	<b>38,000</b>	NA	<50	<50	<b>3,100</b>	<b>1,600</b>	<50	<500	<500	
GP-2	8/11/2005	22	<1,000	NA	<10	<10	<10	<20	<b>35</b>	<b>3,900</b>	<40	
GP-3 @ 10'	8/11/2005	10	<50	NA	<0.5	<0.5	<0.5	<1.0	<b>32</b>	<b>190</b>	<2.0	
GP-4	8/11/2005	22	<b>72</b>	NA	<0.5	<0.5	<b>2.6</b>	<b>4.7</b>	<b>28</b>	<5.0	<2.0	
GP-5	8/11/2005	22	<b>570</b>	NA	<0.5	<b>26</b>	<b>75</b>	<b>260</b>	<b>5</b>	<b>20</b>	<2.0	
<b>CPT Groundwater Samples</b>												
CPT- 1 @ 25'	8/31/2005	21 to 25	<50	<50	<0.5	<0.5	<0.5	<1.0	<b>10</b>	<5.0	<2.0	
CPT- 1 @ 52'	8/31/2005	48 to 52	<50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<2.0	
CPT-1 @ 78'	8/31/2005	74 to 78	<50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<2.0	
CPT-2	8/26/2005	17 to 22	<b>DRY</b>									
CPT-2 @ 43'	8/26/2005	38 to 43	<50	<121	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<2.0	H1, S7
CPT-3	8/26/2005	18 to 23	<b>DRY</b>									
CPT-3 @ 46'	8/26/2005	41 to 46	<50	<64	<0.5	<0.5	<0.5	<1.0	<0.5	<5.0	<2.0	H1,S7
CPT-3	8/26/2005	78 to 82	<b>DRY</b>									

**Notes:**

DRY = insufficient water in borehole for sample.  
ug/l = micrograms per liter  
TPH-G = Total petroleum hydrocarbons as gasoline  
MTBE = Methyl tert-butyl ether  
TBA = tert-Butyl alcohol  
TAME=tert-Amyl methyl ether  
H1 = Extracted out of hold time  
S7 = Diesel surrogate recoveries higher than acceptance limits

**Delta Env. Consultants San Jose**

August 30, 2005

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Attn.: Lee Dooley  
Project#: SJ52-51H-1  
Project: 98995843  
Site: 5251 Hopyard Road, Pleasanton

Attached is our report for your samples received on 08/12/2005 13:30  
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  
09/26/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,



Melissa Brewer  
Project Manager

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
GP-1@5`	08/10/2005 11:33	Soil	1
GP-2@5`	08/10/2005 10:18	Soil	5
GP-2@10`	08/11/2005 13:02	Soil	6
GP-2@15`	08/11/2005 13:29	Soil	7
GP-2@20`	08/11/2005 13:35	Soil	8
GP-3@5`	08/10/2005 09:28	Soil	9
GP-3@10`	08/11/2005 14:06	Soil	10
GP-3@15`	08/11/2005 14:37	Soil	11
GP-3@20`	08/11/2005 14:46	Soil	12
GP-4@5`	08/10/2005 13:53	Soil	13
GP-4@10`	08/11/2005 08:46	Soil	14
GP-4@15`	08/11/2005 09:40	Soil	15
GP-4@20`	08/11/2005 09:49	Soil	16
GP-5@5`	08/10/2005 08:38	Soil	17
GP-5@10`	08/11/2005 10:18	Soil	18
GP-5@15`	08/11/2005 10:45	Soil	19
GP-5@20`	08/11/2005 10:53	Soil	20
GP-1	08/11/2005 12:08	Water	21
GP-2	08/11/2005 13:45	Water	22
GP-3@10`	08/11/2005 14:10	Water	23
GP-4	08/11/2005 09:55	Water	24
GP-5	08/11/2005 11:00	Water	25
GP-3@12.5`	08/11/2005 14:30	Soil	26
CPT-1@5`	08/10/2005 13:04	Soil	28



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-1@5</b>	Lab ID: 2005-08-0422 - 1
Sampled: 08/10/2005 11:33	Extracted: 8/24/2005 18:52
Matrix: Soil	QC Batch#: 2005/08/24-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 18:52	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
tert-Butyl alcohol (TBA)	0.024	0.010	mg/Kg	1.00	08/24/2005 18:52	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 18:52	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.2	76-124	%	1.00	08/24/2005 18:52	
Toluene-d8	128.9	75-116	%	1.00	08/24/2005 18:52	S7

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

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San Jose, CA 95119

Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-2@5</b>	Lab ID:	2005-08-0422 - 5
Sampled:	08/10/2005 10:18	Extracted:	8/24/2005 19:13
Matrix:	Soil	QC Batch#:	2005/08/24-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 19:13	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/24/2005 19:13	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:13	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	89.7	76-124	%	1.00	08/24/2005 19:13	
Toluene-d8	133.7	75-116	%	1.00	08/24/2005 19:13	S7

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-2@10`</b>	Lab ID:	2005-08-0422 - 6
Sampled:	08/11/2005 13:02	Extracted:	8/25/2005 16:00
Matrix:	Soil	QC Batch#:	2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 16:00	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 16:00	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 16:00	
Ethyl benzene	1.4	0.0050	mg/Kg	1.00	08/25/2005 16:00	J3
Total xylenes	0.99	0.0050	mg/Kg	1.00	08/25/2005 16:00	J3
tert-Butyl alcohol (TBA)	0.062	0.010	mg/Kg	1.00	08/25/2005 16:00	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 16:00	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 16:00	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.2	76-124	%	1.00	08/25/2005 16:00	
Toluene-d8	102.6	75-116	%	1.00	08/25/2005 16:00	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-2@15'</b>	Lab ID:	2005-08-0422 - 7
Sampled:	08/11/2005 13:29	Extracted:	8/25/2005 19:37
Matrix:	Soil	QC Batch#:	2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 19:37	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:37	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:37	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:37	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 19:37	
tert-Butyl alcohol (TBA)	0.026	0.010	mg/Kg	1.00	08/25/2005 19:37	
Methyl tert-butyl ether (MTBE)	0.024	0.0050	mg/Kg	1.00	08/25/2005 19:37	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 19:37	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.5	76-124	%	1.00	08/25/2005 19:37	
Toluene-d8	86.8	75-116	%	1.00	08/25/2005 19:37	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-2@20`</b>	Lab ID:	2005-08-0422 - 8
Sampled:	08/11/2005 13:35	Extracted:	8/25/2005 19:58
Matrix:	Soil	QC Batch#:	2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 19:58	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:58	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 19:58	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 19:58	
tert-Butyl alcohol (TBA)	0.13	0.010	mg/Kg	1.00	08/25/2005 19:58	
Methyl tert-butyl ether (MTBE)	0.012	0.0050	mg/Kg	1.00	08/25/2005 19:58	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 19:58	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.5	76-124	%	1.00	08/25/2005 19:58	
Toluene-d8	102.4	75-116	%	1.00	08/25/2005 19:58	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

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San Jose, CA 95119  
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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	GP-3@5	Lab ID:	2005-08-0422 - 9
Sampled:	08/10/2005 09:28	Extracted:	8/24/2005 19:35
Matrix:	Soil	QC Batch#:	2005/08/24-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 19:35	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:35	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:35	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:35	
Total xylenes	0.0055	0.0050	mg/Kg	1.00	08/24/2005 19:35	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/24/2005 19:35	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:35	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:35	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	109.5	76-124	%	1.00	08/24/2005 19:35	
Toluene-d8	110.1	75-116	%	1.00	08/24/2005 19:35	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-3@10`</b>	Lab ID:	2005-08-0422 - 10
Sampled:	08/11/2005 14:06	Extracted:	8/25/2005 20:19
Matrix:	Soil	QC Batch#:	2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 20:19	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:19	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:19	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:19	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 20:19	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 20:19	
Methyl tert-butyl ether (MTBE)	0.0075	0.0050	mg/Kg	1.00	08/25/2005 20:19	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:19	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.8	76-124	%	1.00	08/25/2005 20:19	
Toluene-d8	83.8	75-116	%	1.00	08/25/2005 20:19	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-3@15</b>	Lab ID: 2005-08-0422 - 11
Sampled: 08/11/2005 14:37	Extracted: 8/25/2005 20:40
Matrix: Soil	QC Batch#: 2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 20:40	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:40	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:40	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:40	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 20:40	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 20:40	
Methyl tert-butyl ether (MTBE)	0.030	0.0050	mg/Kg	1.00	08/25/2005 20:40	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:40	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.8	76-124	%	1.00	08/25/2005 20:40	
Toluene-d8	114.2	75-116	%	1.00	08/25/2005 20:40	



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-3@20</b>	Lab ID: 2005-08-0422 - 12
Sampled: 08/11/2005 14:46	Extracted: 8/25/2005 21:01
Matrix: Soil	QC Batch#: 2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 21:01	J3
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:01	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:01	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:01	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 21:01	
tert-Butyl alcohol (TBA)	2.3	0.010	mg/Kg	1.00	08/25/2005 21:01	
Methyl tert-butyl ether (MTBE)	0.0050	0.0050	mg/Kg	1.00	08/25/2005 21:01	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:01	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	113.4	76-124	%	1.00	08/25/2005 21:01	
Toluene-d8	105.6	75-116	%	1.00	08/25/2005 21:01	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-4@5</b>	Lab ID:	2005-08-0422 - 13
Sampled:	08/10/2005 13:53	Extracted:	8/24/2005 19:57
Matrix:	Soil	QC Batch#:	2005/08/24-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 19:57	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/24/2005 19:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 19:57	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.2	76-124	%	1.00	08/24/2005 19:57	
Toluene-d8	109.4	75-116	%	1.00	08/24/2005 19:57	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-4@10`</b>	Lab ID: 2005-08-0422 - 14
Sampled: 08/11/2005 08:46	Extracted: 8/25/2005 21:22
Matrix: Soil	QC Batch#: 2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 21:22	L4
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:22	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:22	
Ethyl benzene	0.022	0.0050	mg/Kg	1.00	08/25/2005 21:22	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 21:22	
tert-Butyl alcohol (TBA)	ND	0.011	mg/Kg	1.00	08/25/2005 21:22	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:22	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:22	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.3	76-124	%	1.00	08/25/2005 21:22	
Toluene-d8	107.3	75-116	%	1.00	08/25/2005 21:22	

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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-4@15</b>	Lab ID: 2005-08-0422 - 15
Sampled: 08/11/2005 09:40	Extracted: 8/25/2005 21:45
Matrix: Soil	QC Batch#: 2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 21:45	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 21:45	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:45	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.3	76-124	%	1.00	08/25/2005 21:45	
Toluene-d8	136.2	75-116	%	1.00	08/25/2005 21:45	S7

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-4@20</b>	Lab ID: 2005-08-0422 - 16
Sampled: 08/11/2005 09:49	Extracted: 8/25/2005 22:06
Matrix: Soil	QC Batch#: 2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 22:06	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 22:06	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 22:06	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 22:06	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 22:06	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 22:06	
Methyl tert-butyl ether (MTBE)	0.013	0.0050	mg/Kg	1.00	08/25/2005 22:06	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 22:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.3	76-124	%	1.00	08/25/2005 22:06	
Toluene-d8	105.6	75-116	%	1.00	08/25/2005 22:06	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	GP-5@5	Lab ID:	2005-08-0422 - 17
Sampled:	08/10/2005 08:38	Extracted:	8/24/2005 20:18
Matrix:	Soil	QC Batch#:	2005/08/24-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 20:18	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/24/2005 20:18	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 20:18	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.5	76-124	%	1.00	08/24/2005 20:18	
Toluene-d8	82.3	75-116	%	1.00	08/24/2005 20:18	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-5@10`</b>	Lab ID:	2005-08-0422 - 18
Sampled:	08/11/2005 10:18	Extracted:	8/25/2005 20:22
Matrix:	Soil	QC Batch#:	2005/08/25-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 20:22	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:22	
Toluene	0.0051	0.0050	mg/Kg	1.00	08/25/2005 20:22	
Ethyl benzene	0.046	0.0050	mg/Kg	1.00	08/25/2005 20:22	
Total xylenes	0.14	0.0050	mg/Kg	1.00	08/25/2005 20:22	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 20:22	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:22	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:22	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.7	76-124	%	1.00	08/25/2005 20:22	
Toluene-d8	90.9	75-116	%	1.00	08/25/2005 20:22	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	GP-5@15	Lab ID:	2005-08-0422 - 19
Sampled:	08/11/2005 10:45	Extracted:	8/25/2005 11:25
Matrix:	Soil	QC Batch#:	2005/08/25-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 11:25	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 11:25	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 11:25	
Ethyl benzene	0.045	0.0050	mg/Kg	1.00	08/25/2005 11:25	
Total xylenes	0.19	0.0050	mg/Kg	1.00	08/25/2005 11:25	
tert-Butyl alcohol (TBA)	0.011	0.010	mg/Kg	1.00	08/25/2005 11:25	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 11:25	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 11:25	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	91.8	76-124	%	1.00	08/25/2005 11:25	
Toluene-d8	99.5	75-116	%	1.00	08/25/2005 11:25	



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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-5@20</b>	Lab ID: 2005-08-0422 - 20
Sampled: 08/11/2005 10:53	Extracted: 8/25/2005 20:48
Matrix: Soil	QC Batch#: 2005/08/25-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 20:48	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:48	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 20:48	
Ethyl benzene	0.013	0.0050	mg/Kg	1.00	08/25/2005 20:48	
Total xylenes	0.061	0.0050	mg/Kg	1.00	08/25/2005 20:48	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/25/2005 20:48	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:48	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 20:48	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.3	76-124	%	1.00	08/25/2005 20:48	
Toluene-d8	96.9	75-116	%	1.00	08/25/2005 20:48	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-1</b>	Lab ID: 2005-08-0422 - 21
Sampled: 08/11/2005 12:08	Extracted: 8/25/2005 12:22
Matrix: Water	QC Batch#: 2005/08/25-1B.65
Analysis Flag: L2, pH: <2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	38000	5000	ug/L	100.00	08/25/2005 12:22	
Benzene	ND	50	ug/L	100.00	08/25/2005 12:22	
Toluene	ND	50	ug/L	100.00	08/25/2005 12:22	
Ethylbenzene	3100	50	ug/L	100.00	08/25/2005 12:22	
Total xylenes	1600	100	ug/L	100.00	08/25/2005 12:22	
tert-Butyl alcohol (TBA)	ND	500	ug/L	100.00	08/25/2005 12:22	
Methyl tert-butyl ether (MTBE)	ND	50	ug/L	100.00	08/25/2005 12:22	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	08/25/2005 12:22	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.6	73-130	%	100.00	08/25/2005 12:22	
Toluene-d8	101.3	81-114	%	100.00	08/25/2005 12:22	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-2</b>	Lab ID: 2005-08-0422 - 22
Sampled: 08/11/2005 13:45	Extracted: 8/25/2005 12:48
Matrix: Water	QC Batch#: 2005/08/25-1B.65
Analysis Flag: L2, pH: 7 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1000	ug/L	20.00	08/25/2005 12:48	
Benzene	ND	10	ug/L	20.00	08/25/2005 12:48	
Toluene	ND	10	ug/L	20.00	08/25/2005 12:48	
Ethylbenzene	ND	10	ug/L	20.00	08/25/2005 12:48	
Total xylenes	ND	20	ug/L	20.00	08/25/2005 12:48	
tert-Butyl alcohol (TBA)	3900	100	ug/L	20.00	08/25/2005 12:48	
Methyl tert-butyl ether (MTBE)	35	10	ug/L	20.00	08/25/2005 12:48	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	08/25/2005 12:48	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	111.0	73-130	%	20.00	08/25/2005 12:48	
Toluene-d8	100.4	81-114	%	20.00	08/25/2005 12:48	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-3@10</b>	Lab ID: 2005-08-0422 - 23
Sampled: 08/11/2005 14:10	Extracted: 8/25/2005 03:32
Matrix: Water	QC Batch#: 2005/08/24-2A.62
pH: 7	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	08/25/2005 03:32	
Benzene	ND	0.50	ug/L	1.00	08/25/2005 03:32	
Toluene	ND	0.50	ug/L	1.00	08/25/2005 03:32	
Ethylbenzene	ND	0.50	ug/L	1.00	08/25/2005 03:32	
Total xylenes	ND	1.0	ug/L	1.00	08/25/2005 03:32	
tert-Butyl alcohol (TBA)	190	5.0	ug/L	1.00	08/25/2005 03:32	
Methyl tert-butyl ether (MTBE)	32	0.50	ug/L	1.00	08/25/2005 03:32	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/25/2005 03:32	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	85.6	73-130	%	1.00	08/25/2005 03:32	
Toluene-d8	94.4	81-114	%	1.00	08/25/2005 03:32	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-4</b>	Lab ID: 2005-08-0422 - 24
Sampled: 08/11/2005 09:55	Extracted: 8/25/2005 03:06
Matrix: Water	QC Batch#: 2005/08/24-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	72	50	ug/L	1.00	08/25/2005 03:06	
Benzene	ND	0.50	ug/L	1.00	08/25/2005 03:06	
Toluene	ND	0.50	ug/L	1.00	08/25/2005 03:06	
Ethylbenzene	2.6	0.50	ug/L	1.00	08/25/2005 03:06	
Total xylenes	4.7	1.0	ug/L	1.00	08/25/2005 03:06	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/25/2005 03:06	
Methyl tert-butyl ether (MTBE)	28	0.50	ug/L	1.00	08/25/2005 03:06	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/25/2005 03:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	83.9	73-130	%	1.00	08/25/2005 03:06	
Toluene-d8	95.1	81-114	%	1.00	08/25/2005 03:06	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-5</b>	Lab ID: 2005-08-0422 - 25
Sampled: 08/11/2005 11:00	Extracted: 8/25/2005 11:56
Matrix: Water	QC Batch#: 2005/08/25-1B.65
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	570	50	ug/L	1.00	08/25/2005 11:56	
Benzene	ND	0.50	ug/L	1.00	08/25/2005 11:56	
Toluene	26	0.50	ug/L	1.00	08/25/2005 11:56	
Ethylbenzene	75	0.50	ug/L	1.00	08/25/2005 11:56	
Total xylenes	260	1.0	ug/L	1.00	08/25/2005 11:56	
tert-Butyl alcohol (TBA)	20	5.0	ug/L	1.00	08/25/2005 11:56	
Methyl tert-butyl ether (MTBE)	5.0	0.50	ug/L	1.00	08/25/2005 11:56	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/25/2005 11:56	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.2	73-130	%	1.00	08/25/2005 11:56	
Toluene-d8	97.6	81-114	%	1.00	08/25/2005 11:56	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-3@12.5'</b>	Lab ID: 2005-08-0422 - 26
Sampled: 08/11/2005 14:30	Extracted: 8/25/2005 21:13
Matrix: Soil	QC Batch#: 2005/08/25-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/25/2005 21:13	
Benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:13	
Toluene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:13	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/25/2005 21:13	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/25/2005 21:13	
tert-Butyl alcohol (TBA)	0.038	0.010	mg/Kg	1.00	08/25/2005 21:13	
Methyl tert-butyl ether (MTBE)	0.0061	0.0050	mg/Kg	1.00	08/25/2005 21:13	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/25/2005 21:13	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	93.7	76-124	%	1.00	08/25/2005 21:13	
Toluene-d8	98.6	75-116	%	1.00	08/25/2005 21:13	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: CPT-1@5	Lab ID: 2005-08-0422 - 28
Sampled: 08/10/2005 13:04	Extracted: 8/24/2005 20:39
Matrix: Soil	QC Batch#: 2005/08/24-1A.69
Analysis Flag: N1 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	08/24/2005 20:39	
Benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
Toluene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	08/24/2005 20:39	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	08/24/2005 20:39	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	108.3	76-124	%	1.00	08/24/2005 20:39	
Toluene-d8	112.6	75-116	%	1.00	08/24/2005 20:39	



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2005/08/24-1A.69-020

**Soil**

Test(s): 8260B

**QC Batch # 2005/08/24-1A.69**

Date Extracted: 08/24/2005 18:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	08/24/2005 18:20	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	08/24/2005 18:20	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/24/2005 18:20	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	08/24/2005 18:20	
Benzene	ND	0.0050	mg/Kg	08/24/2005 18:20	
Toluene	ND	0.0050	mg/Kg	08/24/2005 18:20	
Ethyl benzene	ND	0.0050	mg/Kg	08/24/2005 18:20	
Total xylenes	ND	0.0050	mg/Kg	08/24/2005 18:20	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.6	76-124	%	08/24/2005 18:20	
Toluene-d8	102.0	75-116	%	08/24/2005 18:20	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2005/08/24-2A.62**

MB: 2005/08/24-2A.62-045

Date Extracted: 08/24/2005 18:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/24/2005 18:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/24/2005 18:45	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/24/2005 18:45	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/24/2005 18:45	
Benzene	ND	0.5	ug/L	08/24/2005 18:45	
Toluene	ND	0.5	ug/L	08/24/2005 18:45	
Ethylbenzene	ND	0.5	ug/L	08/24/2005 18:45	
Total xylenes	ND	1.0	ug/L	08/24/2005 18:45	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	86.8	73-130	%	08/24/2005 18:45	
Toluene-d8	98.0	81-114	%	08/24/2005 18:45	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2005/08/25-1B.65**

MB: 2005/08/25-1B.65-032

Date Extracted: 08/25/2005 09:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/25/2005 09:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/25/2005 09:32	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/25/2005 09:32	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/25/2005 09:32	
Benzene	ND	0.5	ug/L	08/25/2005 09:32	
Toluene	ND	0.5	ug/L	08/25/2005 09:32	
Ethylbenzene	ND	0.5	ug/L	08/25/2005 09:32	
Total xylenes	ND	1.0	ug/L	08/25/2005 09:32	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	97.6	73-130	%	08/25/2005 09:32	
Toluene-d8	97.6	81-114	%	08/25/2005 09:32	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/08/25-1B.69**

MB: 2005/08/25-1B.69-054

Date Extracted: 08/25/2005 10:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	08/25/2005 10:54	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	08/25/2005 10:54	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/25/2005 10:54	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	08/25/2005 10:54	
Benzene	ND	0.0050	mg/Kg	08/25/2005 10:54	
Toluene	ND	0.0050	mg/Kg	08/25/2005 10:54	
Ethyl benzene	ND	0.0050	mg/Kg	08/25/2005 10:54	
Total xylenes	ND	0.0050	mg/Kg	08/25/2005 10:54	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	88.0	76-124	%	08/25/2005 10:54	
Toluene-d8	113.4	75-116	%	08/25/2005 10:54	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B Test(s): 8260B  
**Method Blank** **Soil** **QC Batch # 2005/08/25-3A.62**  
 MB: 2005/08/25-3A.62-032 Date Extracted: 08/25/2005 19:32  
 Analysis Flag: N2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	08/25/2005 19:32	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	08/25/2005 19:32	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/25/2005 19:32	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	08/25/2005 19:32	
Benzene	ND	0.0050	mg/Kg	08/25/2005 19:32	
Toluene	ND	0.0050	mg/Kg	08/25/2005 19:32	
Ethyl benzene	ND	0.0050	mg/Kg	08/25/2005 19:32	
Total xylenes	ND	0.0050	mg/Kg	08/25/2005 19:32	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	96.4	76-124	%	08/25/2005 19:32	
Toluene-d8	96.0	75-116	%	08/25/2005 19:32	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/08/24-1A.69</b>				
LCS	2005/08/24-1A.69-013		Extracted: 08/24/2005			Analyzed: 08/24/2005 16:13				
LCSD										

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0530		0.05	106.0			65-165	20		
Benzene	0.0422		0.05	84.4			69-129	20		
Toluene	0.0488		0.05	97.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	470		500	94.0			76-124			
Toluene-d8	536		500	107.2			75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
<b>Laboratory Control Spike</b>				<b>Water</b>			<b>QC Batch # 2005/08/24-2A.62</b>			
LCS	2005/08/24-2A.62-018			Extracted: 08/24/2005			Analyzed: 08/24/2005 18:18			
LCSD										

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.2		25	104.8			65-165	20		
Benzene	25.4		25	101.6			69-129	20		
Toluene	26.1		25	104.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	401		500	80.2			73-130			
Toluene-d8	473		500	94.6			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2005/08/25-1B.65</b>				
LCS	2005/08/25-1B.65-006		Extracted: 08/25/2005			Analyzed: 08/25/2005 09:06				
LCSD										

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.5		25	102.0			65-165	20		
Benzene	25.1		25	100.4			69-129	20		
Toluene	26.1		25	104.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	439		500	87.8			73-130			
Toluene-d8	488		500	97.6			81-114			



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report									
Prep(s): 5030B						Test(s): 8260B			
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/08/25-1B.69</b>			
LCS	2005/08/25-1B.69-056		Extracted: 08/25/2005			Analyzed: 08/25/2005 09:56			
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0530		0.05	106.0			65-165	20		
Benzene	0.0442		0.05	88.4			69-129	20		
Toluene	0.0496		0.05	99.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	488		500	97.6			76-124			
Toluene-d8	551		500	110.2			75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report									
Prep(s): 5030B						Test(s): 8260B			
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2005/08/25-3A.62</b>			
LCS	2005/08/25-3A.62-006		Extracted: 08/25/2005			Analyzed: 08/25/2005 19:06			
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0541		0.049212	110.0			65-165	20		
Benzene	0.0494		0.049212	100.4			69-129	20		
Toluene	0.0492		0.049212	100.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	426		500	85.2			76-124			
Toluene-d8	473		500	94.6			75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

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Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2005/08/24-1A.69**

MS/MSD

Lab ID: 2005-08-0600 - 002

MS: 2005/08/24-1A.69-027

Extracted: 08/24/2005

Analyzed: 08/24/2005 23:27

Dilution: 1.00

MSD: 2005/08/24-1A.69-049

Extracted: 08/24/2005

Analyzed: 08/24/2005 23:49

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0589	0.0571	ND	0.047081	125.1	118.1	5.8	65-165	20		
Benzene	0.0386	0.0486	ND	0.047081	82.0	100.5	20.3	69-129	20		R1
Toluene	0.0346	0.0360	ND	0.047081	73.5	74.4	1.2	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	430	491		500	86.0	98.2		76-124			
Toluene-d8	406	354		500	81.2	70.8		75-116			S8

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 5030B	Test(s): 8260B		
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2005/08/24-2A.62</b>	
MS/MSD		Lab ID:	2005-08-0397 - 006
MS: 2005/08/24-2A.62-043	Extracted: 08/24/2005	Analyzed:	08/24/2005 19:45
		Dilution:	10.00
MSD: 2005/08/24-2A.62-011	Extracted: 08/24/2005	Analyzed:	08/24/2005 20:11
		Dilution:	10.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	314	356	101	250	85.2	102.0	17.9	65-165	20		
Benzene	244	291	27	250	86.8	105.6	19.5	69-129	20		
Toluene	220	270	0.91	250	87.6	107.6	20.5	70-130	20		R1
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	455	472		500	91.0	94.4		73-130			
Toluene-d8	495	497		500	99.0	99.4		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 5030B	Test(s): 8260B		
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2005/08/25-1B.65</b>	
MS/MSD		Lab ID:	2005-08-0668 - 001
MS: 2005/08/25-1B.65-039	Extracted: 08/25/2005	Analyzed:	08/25/2005 10:39
		Dilution:	1.00
MSD: 2005/08/25-1B.65-005	Extracted: 08/25/2005	Analyzed:	08/25/2005 11:05
		Dilution:	1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	25.0	20.4	ND	25	100.0	81.6	20.3	65-165	20		R4
Benzene	23.0	23.3	ND	25	92.0	93.2	1.3	69-129	20		
Toluene	24.0	23.4	ND	25	96.0	93.6	2.5	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	466	471		500	93.3	94.2		73-130			
Toluene-d8	488	495		500	97.6	99.0		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 5030B	Test(s): 8260B		
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>	<b>QC Batch # 2005/08/25-1B.69</b>	
GP-5@15` >> MS		Lab ID:	2005-08-0422 - 019
MS: 2005/08/25-1B.69-046	Extracted: 08/25/2005	Analyzed:	08/25/2005 11:46
		Dilution:	1.00
MSD: 2005/08/25-1B.69-007	Extracted: 08/25/2005	Analyzed:	08/25/2005 12:07
		Dilution:	1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0406	0.0345	ND	0.049115	82.7	70.4	16.1	65-165	20		
Benzene	0.0330	0.0410	ND	0.049115	67.2	83.6	21.8	69-129	20	M5	R1
Toluene	0.0428	0.0426	ND	0.049115	87.2	86.9	0.3	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	436	461		500	87.2	92.2		76-124			
Toluene-d8	536	490		500	107.2	98.0		75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report											
Prep(s): 5030B						Test(s): 8260B					
<b>Matrix Spike ( MS / MSD )</b>				<b>Soil</b>				<b>QC Batch # 2005/08/25-3A.62</b>			
MS/MSD						Lab ID: 2005-08-0701 - 001					
MS: 2005/08/25-3A.62-041			Extracted: 08/26/2005			Analyzed: 08/26/2005 02:41			Dilution: 1.00		
MSD: 2005/08/25-3A.62-001			Extracted: 08/26/2005			Analyzed: 08/26/2005 03:06			Dilution: 1.00		

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.297	0.275	ND	0.242718	122.2	122.1	0.1	65-165	20		
Benzene	1.14	1.28	1.06	0.242718	33.0	97.7	99.2	69-129	20	M3	R1
Toluene	4.49	4.71	5.05	0.242718	-230.5	-151.0	-41.	70-130	20	M3	M3,R1
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	439	434		500	87.8	86.8		76-124			
Toluene-d8	455	480		500	91.0	96.0		75-116			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

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**Legend and Notes**

**Report Comment**

Ethylbenzene and Total Xylenes for GP-2@10` were reported as estimated values due to values which fell outside of the upper calibration range. Ethylbenzene was 1.4 and Total Xylenes was 0.99 with the instruments calibrated to 0.40 and 0.80, respectively.

TBA for GP-3@20` was reported as an estimate because this result, 2.3, was higher than the upper calibration value for the instrument (1.0).

**Sample Comment**

Lab ID: 2005-08-0422 -28

Chlorobenzene-d5 recovery low therefore results for Ethylbenzene and Xylenes are biased high. Sample is non-detect for these compounds.

**Analysis Flag**

L2

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

N1

Internal standard out of range.

N2

CCV Recovery above limit;analyte not detected; Results are valid even though CCV recovery outside limts.

**Result Flag**

J3

Estimated value. The concentration exceeded the calibration of analysis.

L4

Reporting limits were raised due to matrix interference.

M3

Sample > 4x spike concentration.

M5

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

08/30/2005 11:42



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

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98995843

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MS/MSD spike recoveries were below acceptance limits.

See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

R4

RPD exceeded method control limit; % recoveries within limits.

S7

Surrogate recoveries higher than acceptance limits.

S8

Surrogate recoveries lower than acceptance limits.

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
GP-1@10`	08/11/2005 10:24	Soil	2
GP-1@15`	08/11/2005 11:50	Soil	3
GP-1@20`	08/11/2005 11:57	Soil	4
GP-1@12.5`	08/11/2005 11:35	Soil	27

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-1@10`</b>	Lab ID: 2005-08-0422 - 2
Sampled: 08/11/2005 10:24	Extracted: 8/25/2005 22:04
Matrix: Soil	QC Batch#: 2005/08/25-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	500	50	mg/Kg	1.00	08/25/2005 22:04	Q1
Benzene	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
Toluene	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
Ethyl benzene	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
Total xylenes	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	08/25/2005 22:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	08/25/2005 22:04	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	88.9	53-129	%	1.00	08/25/2005 22:04	
Toluene-d8	92.5	47-136	%	1.00	08/25/2005 22:04	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>GP-1@15'</b>	Lab ID:	2005-08-0422 - 3
Sampled:	08/11/2005 11:50	Extracted:	8/25/2005 22:29
Matrix:	Soil	QC Batch#:	2005/08/25-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	540	50	mg/Kg	1.00	08/25/2005 22:29	
Benzene	ND	0.50	mg/Kg	1.00	08/25/2005 22:29	
Toluene	ND	0.50	mg/Kg	1.00	08/25/2005 22:29	
Ethyl benzene	5.5	0.50	mg/Kg	1.00	08/25/2005 22:29	
Total xylenes	ND	0.50	mg/Kg	1.00	08/25/2005 22:29	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	08/25/2005 22:29	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	08/25/2005 22:29	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	08/25/2005 22:29	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.7	53-129	%	1.00	08/25/2005 22:29	
Toluene-d8	97.0	47-136	%	1.00	08/25/2005 22:29	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-1@20</b>	Lab ID: 2005-08-0422 - 4
Sampled: 08/11/2005 11:57	Extracted: 8/25/2005 22:54
Matrix: Soil	QC Batch#: 2005/08/25-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	290	250	mg/Kg	5.00	08/25/2005 22:54	
Benzene	ND	2.5	mg/Kg	5.00	08/25/2005 22:54	
Toluene	ND	2.5	mg/Kg	5.00	08/25/2005 22:54	
Ethyl benzene	3.8	2.5	mg/Kg	5.00	08/25/2005 22:54	
Total xylenes	4.2	2.5	mg/Kg	5.00	08/25/2005 22:54	
tert-Butyl alcohol (TBA)	ND	13	mg/Kg	5.00	08/25/2005 22:54	
Methyl tert-butyl ether (MTBE)	ND	2.5	mg/Kg	5.00	08/25/2005 22:54	
tert-Amyl methyl ether (TAME)	ND	2.5	mg/Kg	5.00	08/25/2005 22:54	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	NA	53-129	%	5.00	08/25/2005 22:54	S3
Toluene-d8	NA	47-136	%	5.00	08/25/2005 22:54	S3

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>GP-1@12.5`</b>	Lab ID: 2005-08-0422 - 27
Sampled: 08/11/2005 11:35	Extracted: 8/28/2005 04:01
Matrix: Soil	QC Batch#: 2005/08/27-3A.62
Analysis Flag: ,H1 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	660	50	mg/Kg	1.00	08/28/2005 04:01	
Benzene	ND	0.50	mg/Kg	1.00	08/28/2005 04:01	
Toluene	ND	0.50	mg/Kg	1.00	08/28/2005 04:01	
Ethyl benzene	4.5	0.50	mg/Kg	1.00	08/28/2005 04:01	
Total xylenes	ND	0.50	mg/Kg	1.00	08/28/2005 04:01	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	08/28/2005 04:01	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	08/28/2005 04:01	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	08/28/2005 04:01	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.6	53-129	%	1.00	08/28/2005 04:01	
Toluene-d8	99.4	47-136	%	1.00	08/28/2005 04:01	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
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Received: 08/12/2005 13:30

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**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/08/25-3A.69**

MB: 2005/08/25-3A.69-006

Date Extracted: 08/26/2005 04:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	08/26/2005 04:06	
Benzene	ND	0.50	mg/Kg	08/26/2005 04:06	
Toluene	ND	0.50	mg/Kg	08/26/2005 04:06	
Ethyl benzene	ND	0.50	mg/Kg	08/26/2005 04:06	
Total xylenes	ND	0.50	mg/Kg	08/26/2005 04:06	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	08/26/2005 04:06	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	08/26/2005 04:06	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	08/26/2005 04:06	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.2	53-129	%	08/26/2005 04:06	
Toluene-d8	114.4	47-136	%	08/26/2005 04:06	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2005/08/27-3A.62**

MB: 2005/08/27-3A.62-048

Date Extracted: 08/30/2005 11:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	08/30/2005 11:48	
Benzene	ND	0.50	mg/Kg	08/30/2005 11:48	
Toluene	ND	0.50	mg/Kg	08/30/2005 11:48	
Ethyl benzene	ND	0.50	mg/Kg	08/30/2005 11:48	
Total xylenes	ND	0.50	mg/Kg	08/30/2005 11:48	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	08/30/2005 11:48	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	08/30/2005 11:48	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	08/30/2005 11:48	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	97.6	53-129	%	08/30/2005 11:48	
Toluene-d8	96.0	47-136	%	08/30/2005 11:48	



**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2005/08/25-3A.69**

LCS 2005/08/25-3A.69-005

Extracted: 08/27/2005

Analyzed: 08/27/2005 04:06

LCSD 2005/08/25-3A.69-032

Extracted: 08/27/2005

Analyzed: 08/27/2005 04:32

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	8.94	9.30	10	89.4	93.0	3.9	69-129	20		
Toluene	11.8	11.3	10	118.0	113.0	4.3	70-130	20		
Methyl tert-butyl ether (MTBE)	7.29	8.91	10	72.9	89.1	20.0	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	281	281	250	112.4	112.4		53-129			
Toluene-d8	330	295	250	132.0	118.0		47-136			

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: SJ52-51H-1  
98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
<b>Laboratory Control Spike</b>	<b>Soil</b>	<b>QC Batch # 2005/08/27-3A.62</b>	
LCS 2005/08/27-3A.62-028	Extracted: 08/29/2005	Analyzed: 08/29/2005 15:28	
LCSD 2005/08/27-3A.62-054	Extracted: 08/29/2005	Analyzed: 08/29/2005 15:54	

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	11.2	11.3	10	112.0	113.0	0.9	69-129	20		
Toluene	10.7	10.9	10	107.0	109.0	1.9	70-130	20		
Methyl tert-butyl ether (MTBE)	10.2	10.9	10	102.0	109.0	6.6	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	279	265	250	111.6	106.0		53-129			
Toluene-d8	284	277	250	113.6	110.8		47-136			

**Gas/BTEX Fuel Oxygenates by 8260B (High Level)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200

San Jose, CA 95119

Phone: (408) 224-4724 Fax: (408) 224-4518

Project: SJ52-51H-1

98995843

Received: 08/12/2005 13:30

Site: 5251 Hopyard Road, Pleasanton

**Legend and Notes**

**Analysis Flag**

H1

Extracted out of holding time.

**Result Flag**

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

S3

Surrogate recovery not reportable due to required dilution.



17577

1720  
20  
185009

1220 Quarry Lane  
Pleasanton, CA

(925)484-1919 (925)484-1096 fax

Equiva Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Denis Brown

2005-08-0422

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 3

SAP or CRMT NUMBER (TS/CRMT)

DATE: 8/12/05

PAGE: 2 of 3

SAMPLING COMPANY: <b>Delta Environmental Consultants</b>		LOG CODE:	SITE ADDRESS (Street and City): <b>5251 Hopyard Road, Pleasanton</b>		GLOBAL ID NO.: <b>T0600101267</b>
ADDRESS: <b>175 Bernal Rd #200, San Jose, CA 95119</b>		EDF DELIVERABLE TO (Responsible Party or Designee): <b>Vera Fischer</b>	PHONE NO.: <b>928-468-6417</b>	EMAIL: <b>vfischer@deltaenv.com</b>	CONSULTANT PROJECT NO.: <b>SJ52-51H-1</b>
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Lee Dooley</b>		SAMPLER NAME(S) (Print): <b>Heather Buckingham</b>			LAB USE ONLY
TELEPHONE: <b>(408) 224-4724</b>	FAX: <b>(408) 225-8506</b>	EMAIL: <b>ldooley@deltaenv.com</b>			

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															FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes				
TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	TBA and TAME	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 3416m)	Vapor Fixed Gases (ASTM D1946)		Test for Disposal (4B- )	Total Lead 8010B per Shell's Disp. tes	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note
																			TEMPERATURE ON RECEIPT C° <b>3</b>

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)	TBA and TAME	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 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B- )	Total Lead 8010B per Shell's Disp. tes	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT C°	
		DATE	TIME																							
12	GP-3@20'	8/11/2005	14:46	soil	1	x	x	x				x														
13	GP-4@5'	8/10/2005	13:53	soil	1	x	x	x				x														
14	GP-4@10'	8/11/2005	8:46	soil	1	x	x	x				x														
15	GP-4@15'	8/11/2005	9:40	soil	1	x	x	x				x														
16	GP-4@20'	8/11/2005	9:49	soil	1	x	x	x				x														
17	GP-5@5'	8/10/2005	8:38	soil	1	x	x	x				x														
18	GP-5@10'	8/11/2005	10:18	soil	1	x	x	x				x														
19	GP-5@15'	8/11/2005	10:45	soil	1	x	x	x				x														
20	GP-5@20'	8/11/2005	10:53	soil	1	x	x	x				x														
21	GP-1	8/11/2005	12:08	water	4	x	x	x				x														
22	GP-2	8/11/2005	13:45	water	4	x	x	x				x														

Requested by: (Signature) <i>Heather Buckingham</i>	Received by: (Signature) <i>[Signature]</i>	Date: 8/12/05	Time: 1330
Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 8/12/05	Time: 1620
Requested by: (Signature)	Received by: (Signature)	Date:	Time:



**Delta Env. Consultants San Jose**

September 19, 2005

175 Bernal Rd., Suite 200  
San Jose, CA 95119

Attn.: Lee Dooley

Project#: Consultant Project #SJ52-51H-1

Project: 98995843

Site: 5251 Hopyard Road, Pleasanton

Attached is our report for your samples received on 09/01/2005 10:45

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

Please note that any unused portion of the samples will be discarded after 10/16/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,



Melissa Brewer  
Project Manager

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200

San Jose, CA 95119

Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
CPT-1@25'	08/31/2005 10:00	Water	1
CPT-1@52'	08/31/2005 10:25	Water	2
CPT-1@78'	08/31/2005 10:55	Water	3



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>CPT-1@25`</b>	Lab ID: 2005-09-0078 - 1
Sampled: 08/31/2005 10:00	Extracted: 9/13/2005 00:50
Matrix: Water	QC Batch#: 2005/09/12-2A.64
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	09/13/2005 00:50	
Benzene	ND	0.50	ug/L	1.00	09/13/2005 00:50	
Toluene	ND	0.50	ug/L	1.00	09/13/2005 00:50	
Ethylbenzene	ND	0.50	ug/L	1.00	09/13/2005 00:50	
Total xylenes	ND	1.0	ug/L	1.00	09/13/2005 00:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/13/2005 00:50	
Methyl tert-butyl ether (MTBE)	10	0.50	ug/L	1.00	09/13/2005 00:50	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/13/2005 00:50	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.4	73-130	%	1.00	09/13/2005 00:50	
Toluene-d8	105.2	81-114	%	1.00	09/13/2005 00:50	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>CPT-1@52`</b>	Lab ID: 2005-09-0078 - 2
Sampled: 08/31/2005 10:25	Extracted: 9/11/2005 19:57
Matrix: Water	QC Batch#: 2005/09/11-1B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	09/11/2005 19:57	
Benzene	ND	0.50	ug/L	1.00	09/11/2005 19:57	
Toluene	ND	0.50	ug/L	1.00	09/11/2005 19:57	
Ethylbenzene	ND	0.50	ug/L	1.00	09/11/2005 19:57	
Total xylenes	ND	1.0	ug/L	1.00	09/11/2005 19:57	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/11/2005 19:57	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/11/2005 19:57	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/11/2005 19:57	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	107.2	73-130	%	1.00	09/11/2005 19:57	
Toluene-d8	101.0	81-114	%	1.00	09/11/2005 19:57	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: CPT-1@78`	Lab ID: 2005-09-0078 - 3
Sampled: 08/31/2005 10:55	Extracted: 9/13/2005 01:11
Matrix: Water	QC Batch#: 2005/09/12-2A.64
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	09/13/2005 01:11	
Benzene	ND	0.50	ug/L	1.00	09/13/2005 01:11	
Toluene	ND	0.50	ug/L	1.00	09/13/2005 01:11	
Ethylbenzene	ND	0.50	ug/L	1.00	09/13/2005 01:11	
Total xylenes	ND	1.0	ug/L	1.00	09/13/2005 01:11	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/13/2005 01:11	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/13/2005 01:11	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/13/2005 01:11	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.9	73-130	%	1.00	09/13/2005 01:11	
Toluene-d8	106.8	81-114	%	1.00	09/13/2005 01:11	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
<b>Method Blank</b>		<b>Water</b>		<b>QC Batch # 2005/09/11-1B.68</b>	
MB: 2005/09/11-1B.68-053				Date Extracted: 09/11/2005 10:53	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	09/11/2005 10:53	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/11/2005 10:53	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/11/2005 10:53	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/11/2005 10:53	
Benzene	ND	0.5	ug/L	09/11/2005 10:53	
Toluene	ND	0.5	ug/L	09/11/2005 10:53	
Ethylbenzene	ND	0.5	ug/L	09/11/2005 10:53	
Total xylenes	ND	1.0	ug/L	09/11/2005 10:53	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	102.4	73-130	%	09/11/2005 10:53	
Toluene-d8	104.0	81-114	%	09/11/2005 10:53	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2005/09/12-2A.64**

MB: 2005/09/12-2A.64-017

Date Extracted: 09/12/2005 19:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	09/12/2005 19:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/12/2005 19:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/12/2005 19:17	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/12/2005 19:17	
Benzene	ND	0.5	ug/L	09/12/2005 19:17	
Toluene	ND	0.5	ug/L	09/12/2005 19:17	
Ethylbenzene	ND	0.5	ug/L	09/12/2005 19:17	
Total xylenes	ND	1.0	ug/L	09/12/2005 19:17	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	98.5	73-130	%	09/12/2005 19:17	
Toluene-d8	102.0	81-114	%	09/12/2005 19:17	

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2005/09/11-1B.68</b>				
LCS	2005/09/11-1B.68-021		Extracted: 09/11/2005			Analyzed: 09/11/2005 10:21				
LCSD										

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.8		25	95.2			65-165	20		
Benzene	23.7		25	94.8			69-129	20		
Toluene	25.6		25	102.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	453		500	90.6			73-130			
Toluene-d8	555		500	111.0			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report									
Prep(s): 5030B						Test(s): 8260B			
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2005/09/12-2A.64</b>			
LCS	2005/09/12-2A.64-056		Extracted: 09/12/2005			Analyzed: 09/12/2005 18:56			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.3		25	105.2			65-165	20		
Benzene	26.1		25	104.4			69-129	20		
Toluene	27.4		25	109.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	457		500	91.4			73-130			
Toluene-d8	525		500	105.0			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report											
Prep(s): 5030B						Test(s): 8260B					
<b>Matrix Spike ( MS / MSD )</b>				<b>Water</b>				<b>QC Batch # 2005/09/11-1B.68</b>			
MS/MSD						Lab ID: 2005-09-0065 - 001					
MS: 2005/09/11-1B.68-045			Extracted: 09/11/2005			Analyzed: 09/11/2005 15:45			Dilution: 10.00		
MSD: 2005/09/11-1B.68-016			Extracted: 09/11/2005			Analyzed: 09/11/2005 16:16			Dilution: 10.00		

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	343	370	57.2	250	114.3	125.1	9.0	65-165	20		
Benzene	219	219	ND	250	87.6	87.6	0.0	69-129	20		
Toluene	242	246	ND	250	96.8	98.4	1.6	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	465	452		500	93.0	90.4		73-130			
Toluene-d8	502	507		500	100.4	101.4		81-114			



**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report			
Prep(s): 5030B	Test(s): 8260B		
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2005/09/12-2A.64</b>	
MS/MSD	Lab ID: 2005-09-0109 - 004		
MS: 2005/09/12-2A.64-059	Extracted: 09/12/2005	Analyzed: 09/12/2005 19:59	
		Dilution: 1.00	
MSD: 2005/09/12-2A.64-019	Extracted: 09/12/2005	Analyzed: 09/12/2005 20:19	
		Dilution: 1.00	

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	26.2	22.3	ND	25	104.8	89.2	16.1	65-165	20		
Benzene	28.1	22.7	ND	25	112.4	90.8	21.3	69-129	20		R1
Toluene	28.7	23.2	ND	25	114.8	92.8	21.2	70-130	20		R1
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	460	467		500	92.0	93.4		73-130			
Toluene-d8	531	519		500	106.2	103.8		81-114			

**Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200

San Jose, CA 95119

Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

**Legend and Notes**

**Result Flag**

.

-

R1

Analyte RPD was out of QC limits.

**Diesel (C9-C24)**

Delta Env. Consultants San Jose

Attn.: Lee Dooley

175 Bernal Rd., Suite 200

San Jose, CA 95119

Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
CPT-1@25'	08/31/2005 10:00	Water	1
CPT-1@52'	08/31/2005 10:25	Water	2
CPT-1@78'	08/31/2005 10:55	Water	3

**Diesel (C9-C24)**

Delta Env. Consultants San Jose  
Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>CPT-1@25`</b>	Lab ID: 2005-09-0078 - 1
Sampled: 08/31/2005 10:00	Extracted: 9/13/2005 18:06
Matrix: Water	QC Batch#: 2005/09/13-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/17/2005 04:27	
<b>Surrogate(s)</b> o-Terphenyl	120.4	64-127	%	1.00	09/17/2005 04:27	

**Diesel (C9-C24)**

Delta Env. Consultants San Jose  
Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>CPT-1@52`</b>	Lab ID: 2005-09-0078 - 2
Sampled: 08/31/2005 10:25	Extracted: 9/13/2005 18:06
Matrix: Water	QC Batch#: 2005/09/13-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/17/2005 04:54	
<b>Surrogate(s)</b> o-Terphenyl	109.2	64-127	%	1.00	09/17/2005 04:54	

**Diesel (C9-C24)**

Delta Env. Consultants San Jose  
Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>CPT-1@78`</b>	Lab ID: 2005-09-0078 - 3
Sampled: 08/31/2005 10:55	Extracted: 9/13/2005 18:06
Matrix: Water	QC Batch#: 2005/09/13-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	09/17/2005 05:22	
<b>Surrogate(s)</b> o-Terphenyl	119.6	64-127	%	1.00	09/17/2005 05:22	

**Diesel (C9-C24)**

Delta Env. Consultants San Jose  
Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report					
Prep(s): 3511				Test(s): 8015M	
<b>Method Blank</b>		<b>Water</b>		<b>QC Batch # 2005/09/13-07.10</b>	
MB: 2005/09/13-07.10-001				Date Extracted: 09/13/2005 18:06	
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	09/15/2005 18:09	
<b>Surrogates(s)</b> o-Terphenyl	115.6	64-127	%	09/15/2005 18:09	

**Diesel (C9-C24)**

Delta Env. Consultants San Jose  
Attn.: Lee Dooley

175 Bernal Rd., Suite 200  
San Jose, CA 95119  
Phone: (408) 224-4724 Fax: (408) 224-4518

Project: Consultant Project #SJ52-51H-1  
98995843

Received: 09/01/2005 10:45

Site: 5251 Hopyard Road, Pleasanton

Batch QC Report										
Prep(s): 3511						Test(s): 8015M				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2005/09/13-07.10</b>				
LCS	2005/09/13-07.10-002		Extracted: 09/13/2005			Analyzed: 09/15/2005 18:36				
LCSD	2005/09/13-07.10-003		Extracted: 09/13/2005			Analyzed: 09/15/2005 19:03				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	475	495	714	66.5	69.3	4.1	60-150	25		
<b>Surrogates(s)</b> o-Terphenyl	1.43	1.38	1.25	114.6	110.2		64-127	0		



# EQUIVA Services LLC Chain Of Custody Record

97099

1220 Quarry Lane  
Pleasanton, CA

(925)484-1919 (925)484-1096 fax

**Equiva Project Manager to be invoiced:**

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT-HOUSTON

Denis Brown

2005-08-0078

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 3

SAP or CRMT NUMBER (TS/CRMT)

DATE: 8/31/05

PAGE: 1 of 1

SAMPLING COMPANY:

**Delta Environmental Consultants**

ADDRESS:  
**175 Bernal Rd #200, San Jose, CA 95119**

PROJECT CONTACT (Hardcopy or PDF Report to)

**Lee Dooley**

TELEPHONE:  
**(408) 224-4724**

FAX:  
**(408) 225-8506**

E-MAIL:  
**ldooley@deltaenv.com**

LOG CODE:

SITE ADDRESS (Street and City):

**5251 Hopyard Road, Pleasanton**

GLOBAL ID NO.:

**T0600101267**

EDF DELIVERABLE TO (Responsible Party or Designer):

**Heather Buckingham**

PHONE NO.:

**408-224-4724**  
**925-468-6417**

E-MAIL:

**vfisher@deltaenv.com**

CONSULTANT PROJECT NO.:

**SJ52-51H-1**

SAMPLER NAME(S) (Print):

**Heather Buckingham**

LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS):

10 DAYS  5 DAYS  72 HOURS  48 H  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**

**FIELD NOTES:**

Container/Preservative  
or PID Readings  
or Laboratory Notes

TEMPERATURE ON RECEIPT 5

LAB USE ONLY

**Field Sample Identification**

**SAMPLING**

DATE	TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (6021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	TBA AND TAME	EDB & 1,2-DCA (8260B)	EPA 503B 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 3415m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal ( 4B- )	Total Lead 6010B per Shell's Disp. tes	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	
																							DATE
CPT-1@25'	8/31/2005	10:00	water	6	X	X	X			X												X	
CPT-1@52'	8/31/2005	10:25	water	7	X	X	X			X												X	
CPT-1@78'	8/31/2005	10:55	water	6	X	X	X			X												X	

Heather Buckingham  
Lee 500% World

Received by: (Signature)  
Lee 500% World  
Received by: (Signature)  
Lee 500% World  
Received by: (Signature)  
Lee 500% World

Date: 9-1-05  
Time: 10:45  
Date: 9/1/05  
Time: 13:20



6 March, 2006

Rebecca Wolff  
Delta Environmental Consultants [Shell]  
175 Bernal Rd. Suite 200  
San Jose, CA 95119

RE: 5251 Hopyard Rd., Pleasanton  
Work Order: MPB1029

Enclosed are the results of analyses for samples received by the laboratory on 02/24/06 15:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen  
Project Manager

CA ELAP Certificate #1210

Delta Environmental Consultants [Shell] 175 Bernal Rd. Suite 200 San Jose CA, 95119	Project:5251 Hopyard Rd., Pleasanton Project Number:SJ52-51H-1 Project Manager:Rebecca Wolff	MPB1029 <b>Reported:</b> 03/06/06 14:26
-------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------	-----------------------------------------------

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP-6@22'	MPB1029-01	Water	02/22/06 09:15	02/24/06 15:20
GP-7@26'	MPB1029-02	Water	02/22/06 15:00	02/24/06 15:20

Delta Environmental Consultants [Shell]  
 175 Bernal Rd. Suite 200  
 San Jose CA, 95119

 Project:5251 Hopyard Rd., Pleasanton  
 Project Number: SJ52-51H-1  
 Project Manager: Rebecca Wolff

 MPB1029  
**Reported:**  
 03/06/06 14:26

### Volatile Organic Compounds by EPA Method 8260B

#### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>GP-6@22' (MPB1029-01) Water    Sampled: 02/22/06 09:15    Received: 02/24/06 15:20</b>									
<b>Gasoline Range Organics (C4-C12)</b>	<b>78</b>	50	ug/l	1	6C01004	03/01/06	03/01/06	EPA 8260B	HC-11
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>73</b>	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91 %		60-135	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80 %		70-120	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %		65-130	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		85 %		70-120	"	"	"	"	
<b>GP-7@26' (MPB1029-02) Water    Sampled: 02/22/06 15:00    Received: 02/24/06 15:20</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6C01004	03/01/06	03/01/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91 %		60-135	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80 %		70-120	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		103 %		65-130	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90 %		70-120	"	"	"	"	

Delta Environmental Consultants [Shell]  
 175 Bernal Rd. Suite 200  
 San Jose CA, 95119

 Project:5251 Hopyard Rd., Pleasanton  
 Project Number: SJ52-51H-1  
 Project Manager: Rebecca Wolff

 MPB1029  
 Reported:  
 03/06/06 14:26

### Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6C01004 - EPA 5030B P/T / EPA 8260B**
**Blank (6C01004-BLK1)**

Prepared &amp; Analyzed: 03/01/06

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.35		"	5.00		87	60-135			
<i>Surrogate: 4-Bromofluorobenzene</i>	4.08		"	5.00		82	70-120			
<i>Surrogate: Dibromofluoromethane</i>	4.98		"	5.00		100	65-130			
<i>Surrogate: Toluene-d8</i>	4.50		"	5.00		90	70-120			

**Laboratory Control Sample (6C01004-BS1)**

Prepared &amp; Analyzed: 03/01/06

Gasoline Range Organics (C4-C12)	436	50	ug/l	440		99	60-140			
Benzene	4.80	0.50	"	5.04		95	65-115			
Toluene	35.2	0.50	"	38.0		93	85-120			
Ethylbenzene	7.10	0.50	"	7.28		98	75-135			
Xylenes (total)	36.9	0.50	"	40.8		90	85-125			
Methyl tert-butyl ether	6.72	0.50	"	7.84		86	65-125			
tert-Amyl methyl ether	14.4	0.50	"	16.3		88	80-115			
tert-Butyl alcohol	154	20	"	169		91	75-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.27		"	5.00		85	60-135			
<i>Surrogate: 4-Bromofluorobenzene</i>	4.44		"	5.00		89	70-120			
<i>Surrogate: Dibromofluoromethane</i>	4.73		"	5.00		95	65-130			
<i>Surrogate: Toluene-d8</i>	4.86		"	5.00		97	70-120			

**Matrix Spike (6C01004-MS1)**

Source: MPB0999-01

Prepared &amp; Analyzed: 03/01/06

Gasoline Range Organics (C4-C12)	6680	500	ug/l	4400	2100	104	60-140			
Benzene	184	5.0	"	50.4	140	87	65-115			
Toluene	373	5.0	"	380	18	93	85-120			
Ethylbenzene	110	5.0	"	72.8	36	102	75-135			
Xylenes (total)	627	5.0	"	408	240	95	85-125			
Methyl tert-butyl ether	548	5.0	"	78.4	540	10	65-125			QM05
tert-Amyl methyl ether	151	5.0	"	163	9.0	87	80-115			
tert-Butyl alcohol	1950	200	"	1690	360	94	75-120			

Delta Environmental Consultants [Shell]  
 175 Bernal Rd. Suite 200  
 San Jose CA, 95119

 Project:5251 Hopyard Rd., Pleasanton  
 Project Number: SJ52-51H-1  
 Project Manager: Rebecca Wolff

 MPB1029  
**Reported:**  
 03/06/06 14:26

### Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6C01004 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (6C01004-MS1)	Source: MPB0999-01	Prepared & Analyzed: 03/01/06								
Surrogate: 1,2-Dichloroethane-d4	4.52		ug/l	5.00		90	60-135			
Surrogate: 4-Bromofluorobenzene	4.52		"	5.00		90	70-120			
Surrogate: Dibromofluoromethane	4.59		"	5.00		92	65-130			
Surrogate: Toluene-d8	4.73		"	5.00		95	70-120			
Matrix Spike Dup (6C01004-MSD1)	Source: MPB0999-01	Prepared & Analyzed: 03/01/06								
Gasoline Range Organics (C4-C12)	5960	500	ug/l	4400	2100	88	60-140	11	25	
Benzene	171	5.0	"	50.4	140	62	65-115	7	20	QM02
Toluene	340	5.0	"	380	18	85	85-120	9	20	
Ethylbenzene	109	5.0	"	72.8	36	100	75-135	0.9	15	
Xylenes (total)	608	5.0	"	408	240	90	85-125	3	20	
Methyl tert-butyl ether	540	5.0	"	78.4	540	0	65-125	1	20	QM05
tert-Amyl methyl ether	145	5.0	"	163	9.0	83	80-115	4	15	
tert-Butyl alcohol	2000	200	"	1690	360	97	75-120	3	25	
Surrogate: 1,2-Dichloroethane-d4	4.09		"	5.00		82	60-135			
Surrogate: 4-Bromofluorobenzene	4.53		"	5.00		91	70-120			
Surrogate: Dibromofluoromethane	4.26		"	5.00		85	65-130			
Surrogate: Toluene-d8	4.49		"	5.00		90	70-120			

Delta Environmental Consultants [Shell]  
175 Bernal Rd. Suite 200  
San Jose CA, 95119

Project:5251 Hopyard Rd., Pleasanton  
Project Number:SJ52-51H-1  
Project Manager:Rebecca Wolff

MPB1029  
**Reported:**  
03/06/06 14:26

**Notes and Definitions**

- QM05 The spike recovery was below control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QM02 The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- HC-11 The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

LAB: Test America STL Other \_\_\_\_\_

# SHELL Chain Of Custody Record

Lab Identification (if necessary):

- TA - Irvine, California
- TA - Morgan Hill, California
- TA - Nashville, Tennessee
- STL
- Other (location) \_\_\_\_\_

<b>Person to be invoiced:</b> <input checked="" type="checkbox"/> ENVIRONMENTAL SERVICES <b>Denis Brown</b> <input type="checkbox"/> TECHNICAL SERVICES <input type="checkbox"/> CHECK BOX TO VERIFY IF NO INCIDENT NUMBER APPLIES <input type="checkbox"/> COMPLIANCE <input type="checkbox"/> NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE	<b>INCIDENT NUMBER (ES ONLY)</b> <div style="font-size: 24px; font-weight: bold; letter-spacing: 5px;">9 8 9 9 5 8 4 3</div>	DATE: <u>2/22/06</u>  PAGE: <u>1</u> of <u>1</u>
<b>SAP or CRMT NUMBER (TS/CRMT)</b> <div style="background-color: black; color: black; height: 20px; width: 100%;"></div>		

<b>SAMPLING COMPANY:</b> Delta Environmental Consultants	<b>LOG CODE:</b> _____	<b>SITE ADDRESS: Street and City</b> <b>5251 Hopyard Rd, Pleasanton</b>	<b>State</b> CA	<b>GLOBAL ID NO.:</b> T0600101267
<b>ADDRESS:</b> 175 Bernal Rd, Suite 200, San Jose, CA 95119		<b>EDF DELIVERABLE TO (Name, Company, Office Location):</b> Justin Link	<b>PHONE NO.:</b> (408) 826-1865	<b>E-MAIL:</b> jlink@deltaenv.com
<b>PROJECT CONTACT (Hardcopy or PDF Report to):</b> Rebecca Wolff		<b>CONSULTANT PROJECT NO.:</b> SJ52-51H-1		
<b>TELEPHONE:</b> (408) 826-1868	<b>FAX:</b> (408) 225-8506	<b>E-MAIL:</b> rwolff@deltaenv.com		

<b>TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS):</b> <input type="checkbox"/> STD <input checked="" type="checkbox"/> 5 DAY <input type="checkbox"/> 3 DAY <input type="checkbox"/> 2 DAY <input type="checkbox"/> 24 HOURS <input type="checkbox"/> RESULTS NEEDED ON WEEKEND	<b>REQUESTED ANALYSIS</b>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------

<input type="checkbox"/> LA - RWQCB REPORT FORMAT <input type="checkbox"/> UST AGENCY: _____	<b>LAB USE ONLY</b>
<b>SPECIAL INSTRUCTIONS OR NOTES:</b> CHECK BOX IF EDD IS <u>NOT</u> NEEDED <input type="checkbox"/>	<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block; font-size: 24px; font-weight: bold;">MPB D1029</div>

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
			DATE	TIME																	TEMPERATURE ON RECEIPT C°
	GP-6 @ 22'	61	2/22/06	9:15	water	4	X	X	X	X	X	X	X	X							
	GP-7 @ 26'	02	2/22/06	15:00	water	4	X	X	X	X	X	X	X	X							

Relinquished by: (Signature) <i>Justin Link</i> 2/23/2006	Received by: (Signature) <i>[Signature]</i>	Date: 2/23/06	Time: 1315
Relinquished by: (Signature) <i>[Signature]</i> 2/23/06	Received by: (Signature) <i>[Signature]</i>	Date: 02/23/06	Time: 1915 2 <sup>nd</sup>
Relinquished by: (Signature) <i>[Signature]</i> 2/24/06	Received by: (Signature) <i>[Signature]</i>	Date: 02/24/06	Time: 1200
Relinquished by: (Signature) <i>[Signature]</i> 2/24/06	Received by: (Signature) <i>[Signature]</i>	Date: 2/24/06	Time: 15:20



## SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Delta  
 REC. BY (PRINT): MF  
 WORKORDER: MPB 1029

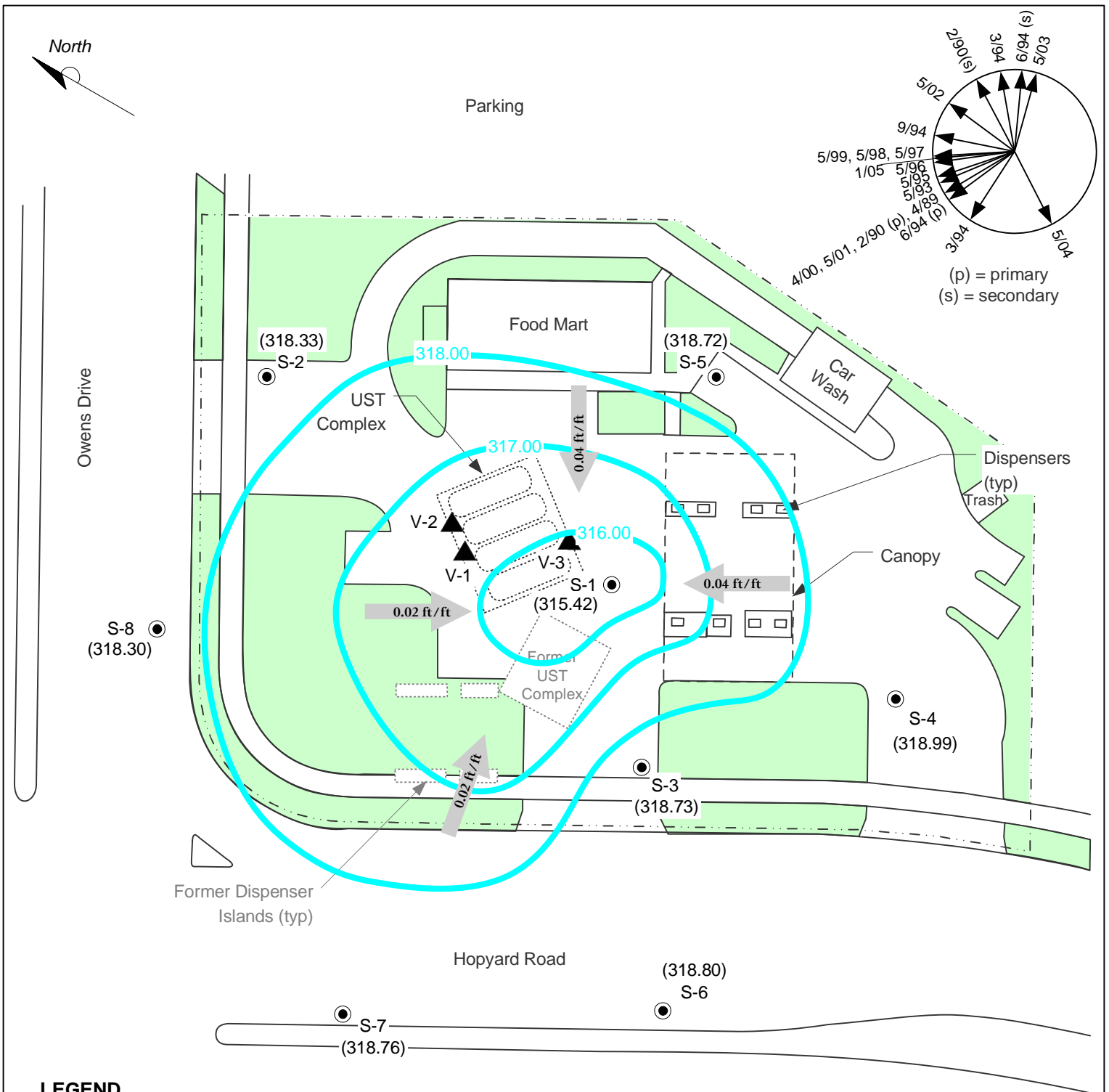
DATE REC'D AT LAB: 2/24/06  
 TIME REC'D AT LAB: 15:20  
 DATE LOGGED IN: 2-25-04

For Regulatory Purposes?  
 DRINKING WATER YES/NO  YES  NO  
 WASTE WATER YES/NO  YES  NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present <input checked="" type="checkbox"/> Absent Intact / Broken*	01 02	A-D L	GP-6@22 GP-7@26	U-VOA V	HCL F	- -	L L	2/22/06 ↓	
2. Chain-of-Custody <input checked="" type="checkbox"/> Present / Absent*									
3. Traffic Reports or Packing List: Present <input checked="" type="checkbox"/> Absent									
4. Airbill: Airbill / Sticker Present / <input checked="" type="checkbox"/> Absent									
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: <input checked="" type="checkbox"/> Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="checkbox"/> Yes / No*									
10. Sample received within hold time? <input checked="" type="checkbox"/> Yes / No*									
11. Adequate sample volume received? <input checked="" type="checkbox"/> Yes / No*									
12. Proper preservatives used? <input checked="" type="checkbox"/> Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No*									
14. Read Temp: <u>4.3</u> Corrected Temp: <u>4.3</u> Is corrected temp 4 +/- 2°C? <input checked="" type="checkbox"/> Yes / No**									

MF 2/24/06

\*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.



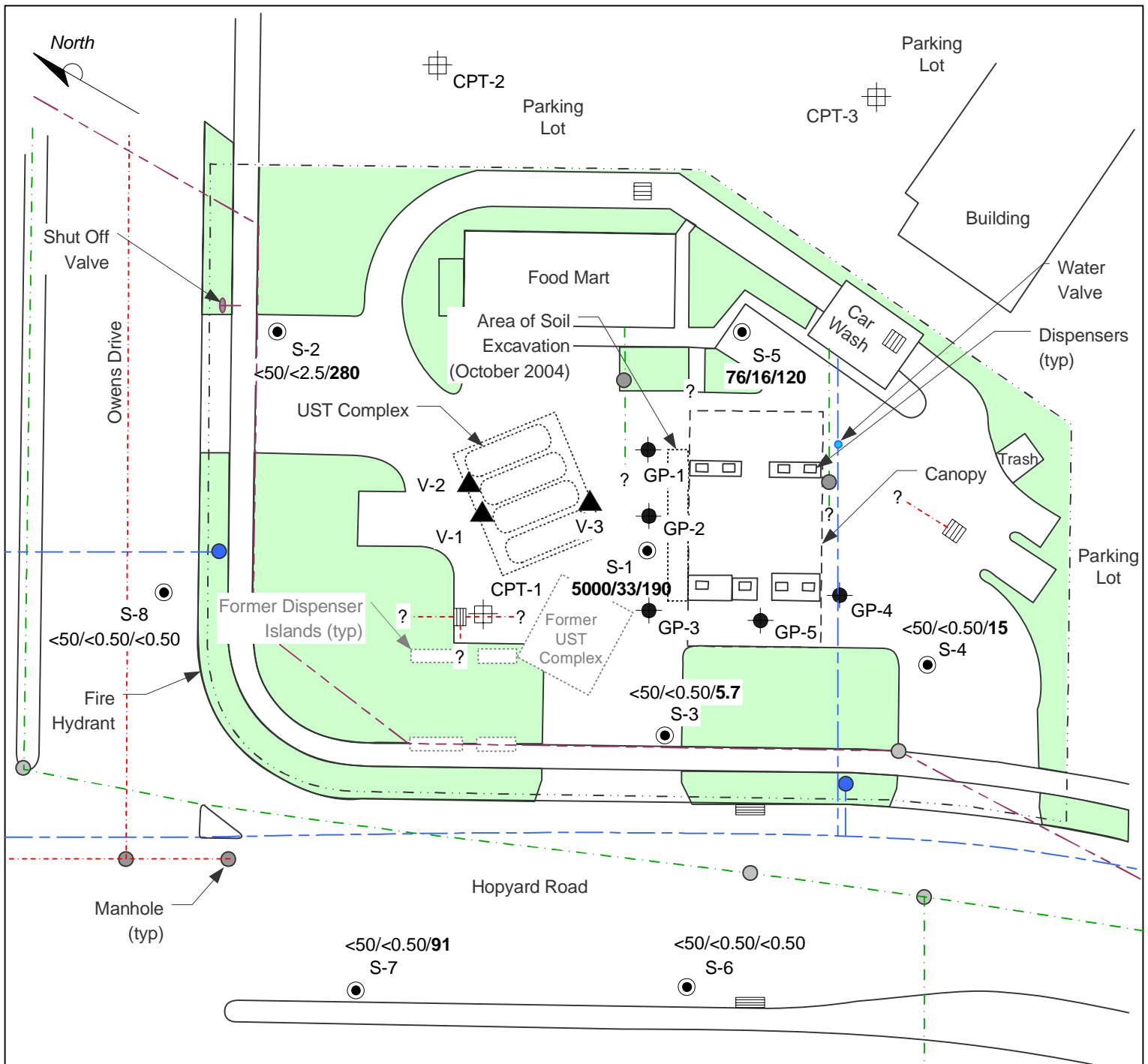
**LEGEND**

- **GROUNDWATER MONITORING WELL**
- ▲ **SOIL VAPOR EXTRACTION WELL**
- (318.66) **GROUNDWATER ELEVATION (FEET-MSL), 5/5/05**
- 319.00 **GROUNDWATER ELEVATION CONTOUR**
- 0.02 ft/ft **APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT**



**FIGURE 2**  
**GROUNDWATER ELEVATION CONTOUR MAP,**  
**MAY 5, 2005**  
**SHELL-BRANDED SERVICE STATION**  
**5251 Hopyard Road**  
**Pleasanton, California**

PROJECT NO. SJ52-51H-1.2005	DRAWN BY V. F. 3/30/05	
FILE NO. SJ52-51H-1.2005	PREPARED BY V.F.	
REVISION NO. 2	REVIEWED BY	



**LEGEND**

S-1 ● **GROUNDWATER MONITORING WELL**

V-3 ▲ **SOIL VAPOR EXTRACTION WELL**

<50/<0.50/<0.50 **TPH-G/BENZENE/MTBE CONCENTRATIONS (UG/L), 5/5/05**

GP-2 ● **PROPOSED SOIL BORING**

CPT-1 ⊕ **PROPOSED CPT BORING AND SAMPLING LOCATION**

--- **ZONE 7 PIPE**

--- **WATER MAIN**

--- **SEWER MAIN**

--- **STORM DRAIN**



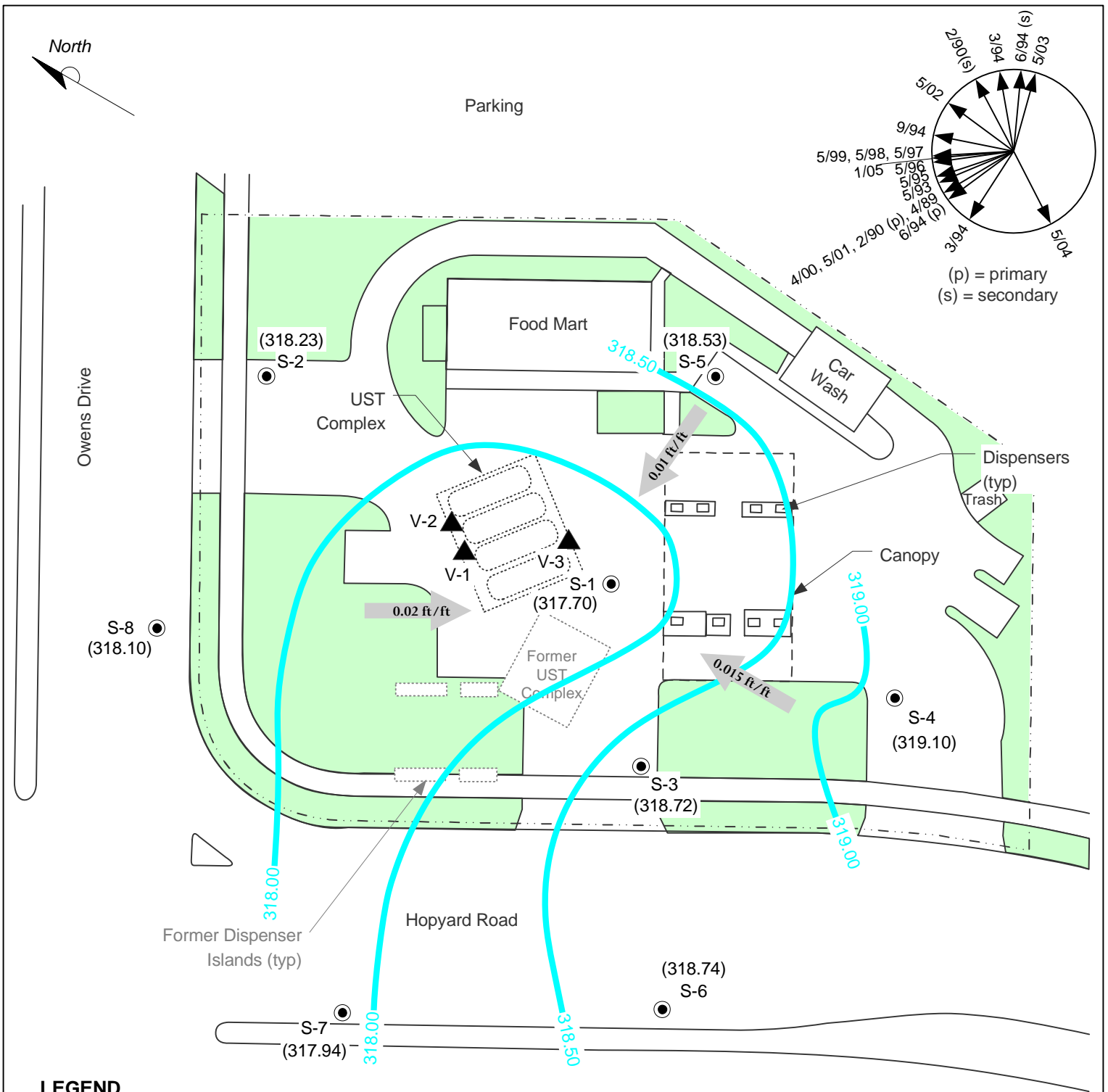
APPROX. SCALE

**FIGURE 3**  
 TPH-G, BENZENE, AND MTBE CONCENTRATION MAP,  
 MAY 5, 2005

**SHELL-BRANDED SERVICE STATION**  
 5251 Hopyard Road  
 Pleasanton, California

PROJECT NO. SJ52-51H-1.2005	DRAWN BY V. F. 3/30/05
FILE NO. SJ52-51H-1.2005	PREPARED BY V.F.
REVISION NO. 2	REVIEWED BY

**Delta**  
 Environmental Consultants, Inc.



**LEGEND**

- **GROUNDWATER MONITORING WELL**
- ▲ **SOIL VAPOR EXTRACTION WELL**
- (318.66) **GROUNDWATER ELEVATION (FEET-MSL), 8/5/05**
- 319.00 **GROUNDWATER ELEVATION CONTOUR**
- 0.02 ft/ft **APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT**



**FIGURE 2**  
**GROUNDWATER ELEVATION CONTOUR MAP,**  
**AUGUST 5, 2005**  
**SHELL-BRANDED SERVICE STATION**  
**5251 Hopyard Road**  
**Pleasanton, California**

PROJECT NO. SJ52-51H-1.2005	DRAWN BY V. F. 3/30/05
FILE NO. SJ52-51H-1.2005	PREPARED BY V.F.
REVISION NO. 2	REVIEWED BY



# Delta

Environmental Consultants, Inc.

Project No: SJ52-51H-1	Client: Shell Oil Products US	Well No: GP-6
Logged By: Frane Sosic	Location: 5251 Hopyard Rd, Pleasanton	Page 1 of 1
Driller: Gregg Drilling	Date Drilled: 2/22/2006	Location Map  Please see site map
Drilling Method: Geoprobe	Hole Diameter: 3"	
Sampling Method: Direct Push	Hole Depth: 22'	
Casing Type: N/A	Well Diameter: N/A	
Slot Size: N/A	Well Depth: N/A	
Gravel Pack: N/A	Casing Stickup: N/A	

Elevation	Northing	Easting
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Well Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION	
Cement Grout				Hand Augered	1		AF	Asphalt 6" and Concrete 4-6"	
		dry			2		GC	<b>Clayey GRAVEL with Sand:</b> medium to dark brown; 50-60% gravel ranging is size from 1/4-1"; 25-35% well graded sand; 10-20% fines, some caliche	
					3		CL	<b>Lean CLAY:</b> medium brown with patches of dark grey; low to moderate plasticity; traces of 1/4-1/2" gravels as well as medium grained sands.  (as above, except soil is very dark grey in color)	
		damp			4				
					5				
						6		CL	<b>Lean CLAY:</b> medium brown; moderate to high plasticity; traces of fine to medium grained sand; light and dark grey mottling.  (same as above, soil is a lighter brown color)
		moist			7				
				8					
					9		CL	<b>Lean CLAY with sand:</b> light to medium brown mottled with dark grey; moderate plasticity; 10-20% fine to coarse sand  Bottom of Boring at 22 feet	
		moist		10					
				11					
					12		CL	<b>Lean CLAY with sand:</b> light to medium brown mottled with dark grey; moderate plasticity; 10-20% fine to coarse sand  Bottom of Boring at 22 feet	
		moist		13					
				14					
					15		CL	<b>Lean CLAY with sand:</b> light to medium brown mottled with dark grey; moderate plasticity; 10-20% fine to coarse sand  Bottom of Boring at 22 feet	
		very moist		16					
				17					
					18		CL	<b>Lean CLAY with sand:</b> light to medium brown mottled with dark grey; moderate plasticity; 10-20% fine to coarse sand  Bottom of Boring at 22 feet	
		wet		19					
				20					
					21		CL	<b>Lean CLAY with sand:</b> light to medium brown mottled with dark grey; moderate plasticity; 10-20% fine to coarse sand  Bottom of Boring at 22 feet	
		wet		22					

# Delta

**Environmental Consultants, Inc.**

Project No: SJ52-51H-1 Client: Shell Oil Products US  
 Logged By: Frane Sosic Location: 5251 Hopyard Rd, Pleasanton  
 Driller: Gregg Drilling Date Drilled: 2/22/2006  
 Drilling Method: Geoprobe Hole Diameter: 3"  
 Sampling Method: Direct Push Hole Depth: 26'  
 Casing Type: N/A Well Diameter: N/A  
 Slot Size: N/A Well Depth: N/A  
 Gravel Pack: N/A Casing Stickup: N/A

Well No: GP-7  
 Page 1 of 2

Location Map

Please see site map

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		dry		Hand Augered	1		AF	Asphalt 4" Concrete 8"
					2		CL	<b>Lean CLAY:</b> medium to dark grey with lighter-grey mottling; moderate to high plasticity; traces of gravel ranging in size from 1/4-1/2" and traces of coarse grained sand; roots
					3			
					4			
					5		GC	<b>Clayey GRAVEL with Sand:</b> dark grey; 50-60% gravels that are 1/4-3/4" in diameter; 20-30% well graded sand; 10-20% fines.
					6			
					7		CL	<b>Lean CLAY with Sand:</b> dark grey with light grey and brown mottling; moderate plasticity; 10-15% coarse grained sand; lots of caliche deposits; traces of small-medium sized gravel  (same as above: medium brown with rust-colored and light grey mottling)  (at 13' 6" - layer of coarse sand and small 1/4" gravel approximately 1.5" thick)  (same as above: slightly higher plasticity, lighter grey with brownish-red mottling, a good amount of caliche)  (as above: a little lighter brown colored with lots of the same type of mottling)  (1 inch layer of sandy gravel @ 19')
					8			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18		CL	<b>Lean CLAY with Sand:</b> medium brown with light/dark grey mottling; presence of caliche and reddish-orange mottling throughout; 10-20% fine to coarse grained sand; moderate to high plasticity.
					19			
					20			
					21			
					22			

Cement Grout

# Delta

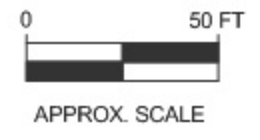
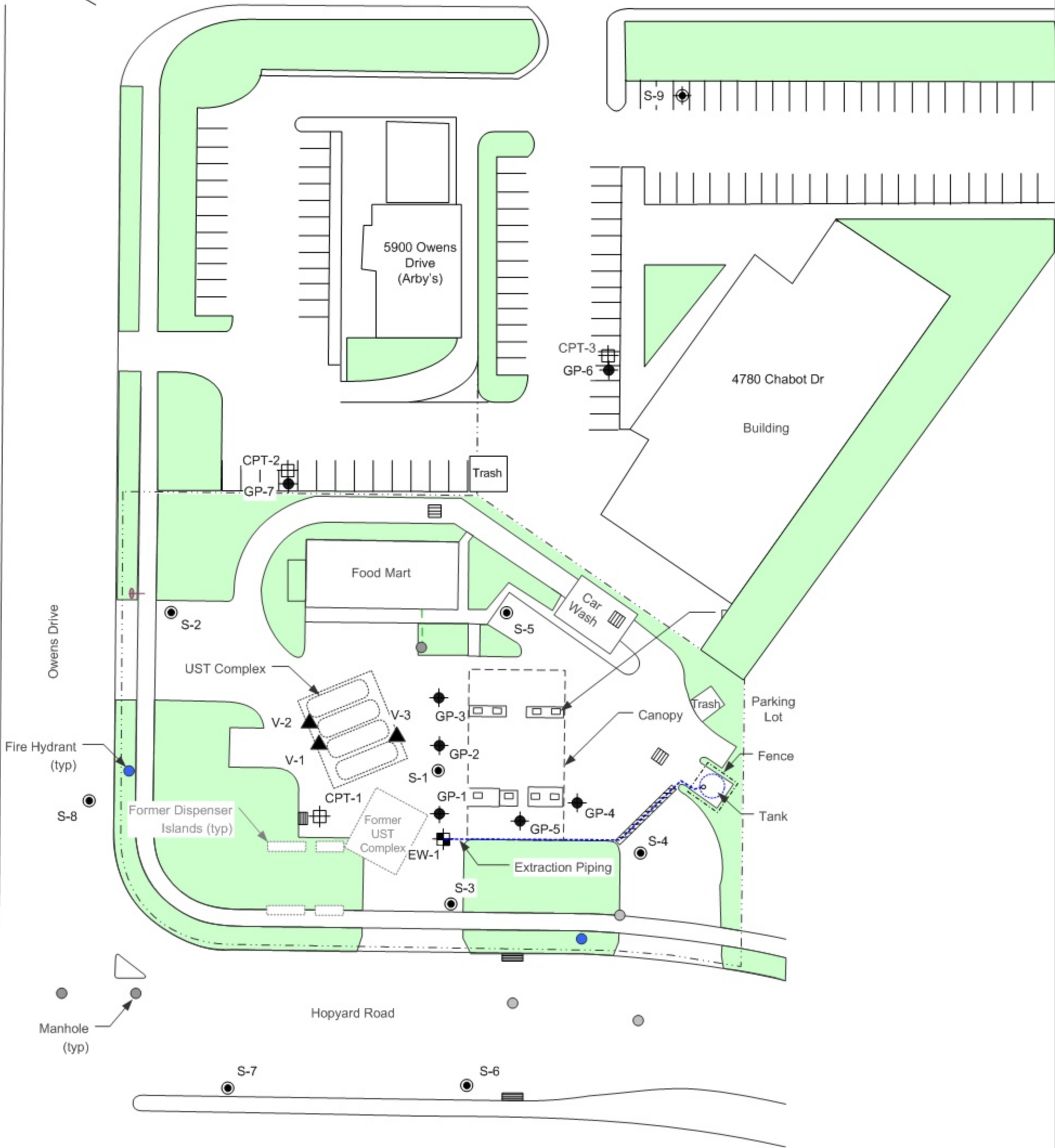
**Environmental Consultants, Inc.**

Project No:	SJ52-51H-1	Client:	Shell Oil Products US	Well No:	GP-7
Logged By:	Frane Sosic	Location:	5251 Hopyard Rd, Pleasanton	Page 2 of 2	
Driller:	Gregg Drilling	Date Drilled:	2/22/2006	Location Map  Please see site map	
Drilling Method:	Geoprobe	Hole Diameter:	3"		
Sampling Method:	Direct Push	Hole Depth:	26'		
Casing Type:	N/A	Well Diameter:	N/A		
Slot Size:	N/A	Well Depth:	N/A		
Gravel Pack:	N/A	Casing Stickup:	N/A		

Elevation	Northing	Easting
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Well Completion		Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing						Recovery	Interval		
Cement Grout						23			CL	continued
						24			CL	<b>Sandy Lean CLAY:</b> grayish/light brown with mottling very similar to that of directly above; 25-35% medium grained sand; abundant caliche and traces of small gravels (1/4").
						25				
			very wet			26				Bottom of Borint at 26 feet
						27				
						28				
						29				
						30				
						31				
						32				
						33				
						34				
						35				
						36				
						37				
						38				
						39				
						40				
						41				
						42				
						43				
						44				
						45				

North



**LEGEND**

- EW-1 **EXTRACTION WELL**
- BAKER TANK**
- S-1 **GROUNDWATER MONITORING WELL**
- V-3 **SOIL VAPOR EXTRACTION WELL**
- GP-2 **SOIL BORING**
- CPT-1 **CPT BORING AND SAMPLING LOCATION**
- S-9 **PROPOSED MONITORING WELL**

**FIGURE 2**  
**SITE MAP**

**SHELL-BRANDED SERVICE STATION**  
5251 Hopyard Road  
Pleasanton, California

PROJECT NO. SJ52-51H-1.2006	DRAWN BY JL 03/13/06
FILE NO. SJ52-51H-1.2006	PREPARED BY HB
REVISION NO. 1	REVIEWED BY

**Delta**  
Environmental  
Consultants, Inc.



# Delta

Environmental Consultants, Inc.

Project No: SJ52-51H-1	Client: Shell Oil Products US	Well No: EW-1
Logged By: Heather Buckingham	Location: 5251 Hopyard Rd, Pleasanton	Page 1 of 1
Driller: Gregg	Date Drilled: 3/6/2006	Location Map Please see site map
Drilling Method: HSA	Hole Diameter: 10"	
Sampling Method: CA mod. SS	Hole Depth: 20'	
Casing Type: Sch 40 PVC	Well Diameter: 4"	
Slot Size: 0.01	Well Depth: 20'	
Gravel Pack: #2/12	Casing Stickup: 0	

Elevation	Northing	Easting
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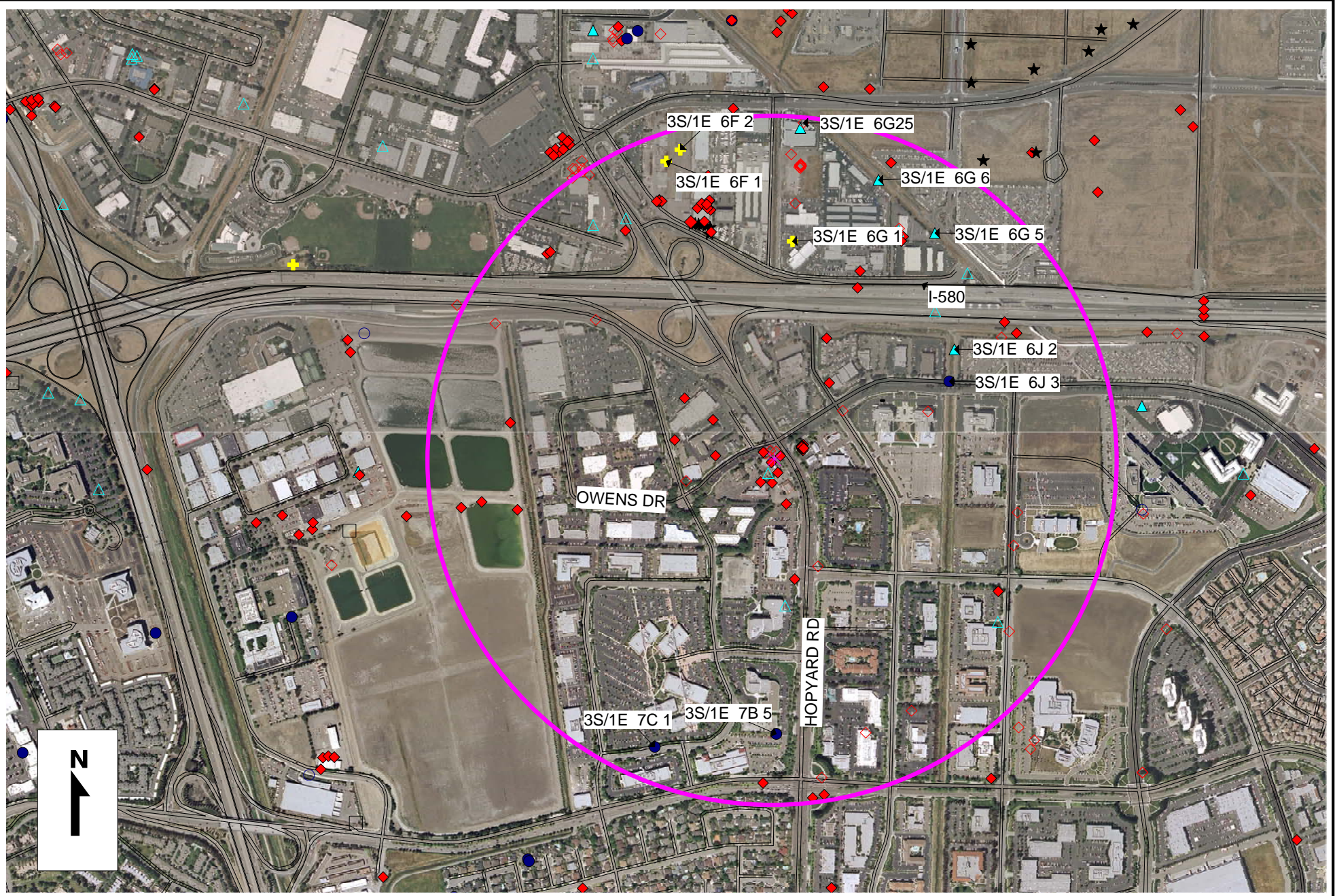
Well Completion		Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	Casing								
			damp		Air Knifed 	1		AF	~8" of asphalt
						2		CL	<b>Sandy Lean CLAY:</b> med. Grey, medium to high plasticity, 40% fine grained sand
						3			
						4			
						5		CL	<b>Lean CLAY with Sand:</b> grey, medium to high plasticity, 10-20% fine grained sand
						6			
			damp			6			
				891		10			
						10			(mottled with dark grey)
						11			
			wet		13				
					8		SP	<b>Poorly Graded SAND:</b> meduim grey, fine grained sand, 10-15% gravels 1 cm long, <10% fines	
				670	10				
					12				
			wet		15				
					16		CL	<b>Sandy Lean CLAY:</b> medium grey, 35-45% fine grained sand, medium plasticity	
					17				
					18				
			wet		19				
			damp	75	6				
					10				
					12		CL	<b>Lean CLAY:</b> medium brown mottled with orange, 5-10% coarse grained sand, medium plasticity	

Cement

Bentonite

#2/12 Sand





**ZONE 7 WATER AGENCY**  
**100 NORTH CANYONS PARKWAY**  
**LIVERMORE, CA 94551**

**WELL LOCATION MAP**

**SCALE: 1" = 1000'**

**RADIUS = 1/2 mi**

**5251 HOPYARD RD**  
 H:\FLOOD\REFERALLS\REFERALLS.WOR