Shell Oil Products US

March 24, 2005

Mr. Bob Schultz
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Shell-branded Service Station**
3790 Hopyard Road
Pleasanton, California

Dear Mr. Schultz:

Attached for your review and comment is a copy of the *CPT Soil and Groundwater Investigation Report* for the above mentioned site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna, P.E.
Sr. Environmental Engineer
HSEQ/Science & Engineering

20945 S. Wilmington Avenue, Carson, CA 90810 P: (559) 645-9306; F: (559) 645-5643

Delta
Environmental
Consultants, Inc.

Solving environment-related business problems worldwide

www.deltaenv.com

175 Bernal Road • Suite 200
San Jose, California 95119 USA

408.224.4724 800.477.7411
Fax 408.225.8506

March 24, 2005
Project SJ3790-1.2005

Mr. Robert Schultz
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: CPT Soil and Groundwater Investigation Report
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California

Dear Mr. Schultz,

Delta Environmental Consultants, Inc. (Delta), on behalf of Shell Oil Products US (Shell), has prepared this cone penetrometer test (CPT) soil and groundwater investigation report for the site referenced above (Figure 1). The scope of work was included in Cambria Environmental Technology, Inc.'s (Cambria) June 30, 2004 *Agency Response, Revised SCM and Modified Work Plan*, which was conditionally approved by the Alameda County Health Care Services Agency (ACHCSA) in correspondence dated August 13, 2004.

BACKGROUND

The subject property is located on the southwest corner of Hopyard Road and Las Positas Boulevard in Pleasanton, California (Figure 2). The property is currently the site of an active Shell-branded service station.

The Shell service station includes a station building with convenience store and vehicle service bays, two fuel dispenser islands under a single canopy, three gasoline underground storage tanks (USTs), and a waste oil UST. The site layout is presented on Figure 2. The site is located in a commercial area with retail businesses adjacent to the station.

Site assessment activities began in 1986 with the drilling of five soil borings. A detailed description of previous site assessment activities is provided in Cambria's recent report titled *Subsurface Investigation Report* dated February 8, 2005. Historic soil analytical data is summarized in Attachment A. Soil sampling locations are shown in maps of Attachment A and on Figures 2 and 3.

GROUNDWATER MONITORING PROGRAM

Groundwater monitoring has been conducted at the site since 1987. Historic and current (first quarter 2005) groundwater monitoring results are summarized on a table by Blaine Tech Services provided as Attachment B.

Groundwater data from on-site and off-site monitoring wells has defined a methyl tert-butyl ether (MTBE) and tert-butanol (TBA) groundwater plume extending from the northeast portion of the site to approximately 350 feet off-site to the east. Groundwater monitoring wells are screened in the 5- to 35-foot depth interval. Depth to groundwater in wells currently ranges from 14 to 20 feet below top of casing. Groundwater samples are collected from first encountered groundwater within clay deposits at a depth of approximately 15 to 20 feet below grade (bg). The maximum concentration of MTBE detected in first quarter 2005 groundwater samples was 340 micrograms per liter (ug/l) in off-site Well S-9 (Figure 2). The highest concentrations of TBA were detected in on-site Wells S-4 (6,500 ug/l) and SR-2 (6,000 ug/l). The two on-site wells are located downgradient of the fuel USTs in the northeastern portion of the site.

GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

In response to the detection of MTBE in shallow groundwater beneath the site, Cambria installed a groundwater extraction and treatment (GWET) system in the second quarter of 2003. GWE was performed using extraction Wells SR-1, SR-2, and SR-3 (Figure 2). The GWET system operated fairly continuously from July 1, 2003 until January 7, 2005. The influent MTBE concentration had been consistently below 100 micrograms per liter (ug/l) since June 4, 2004, thus on January 7, 2005, the GWET system was shutdown. Delta reactivated the GWET system on February 28, 2005 based on the first quarter 2005 groundwater monitoring data (Attachment B) and analytical data from the October 2004 Cambria soil and groundwater investigation (described below).

CAMBRIA OCTOBER 2004 SWI

In October 2004, Cambria drilled thirteen borings (SB-1 through SB-5, SB-7 through SB-9, and SB-11 through SB-15) at the locations shown on Figure 3. The goal of the soil and groundwater investigation was to define the vertical and lateral extent of petroleum hydrocarbons and fuel oxygenates in soil and water to a depth of approximately 25 feet beneath the site. The borings were drilled to depths ranging from 11 to 28.1 feet bg. Proposed borings SB-6, SB-10, and SB-16 were unable to be drilled due to subsurface obstructions and access issues.

Borings encountered clay to a total depth explored of 28.1 feet bg. Soil samples were collected from borings at 5-foot depth intervals. Selected soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, and xylene (BTEX compounds), MTBE, and TBA by US EPA Method 8260. A map prepared by Cambria with soil analytical data is provided as Attachment A. The highest concentrations of TPH-G and BTEX compounds were detected in soil samples from Borings SB-3 and SB-4 located adjacent to the former fuel dispensers in the northwest portion of the site. Petroleum hydrocarbon concentrations were highest in the 2.5 to 10-foot samples and declined rapidly between 10 feet and the depth of first encountered groundwater at approximately 20 feet bg.

Static depth to groundwater in temporary well casings set in boreholes to collect water samples ranged from 14.7 feet to 22.3 feet bg. Groundwater entry into boreholes was very slow. A total of five grab groundwater samples were successfully collected by Cambria. Insufficient water was found in the other boreholes to allow collection of a sample sufficient for laboratory testing. TPH-G was detected in three groundwater samples collected downgradient (southeast) of the fuel USTs at concentrations ranging from 13,000 micrograms per liter (ug/l) to 30,000 ug/l (Borings SB-9, SB-12, and SB-13; Figure 3). The highest concentrations of MTBE and TBA were detected in the same area of the site (Borings SB-12 and SB-13). MTBE was detected in the water samples from Borings SB-12 and SB-13 at 2,600 ug/l and 10,000 ug/l, respectively. TBA was detected in the two borings at concentrations of 9,500 ug/l and 8,200 ug/l, respectively.

HYDROGEOLOGIC SETTING

The site is located in the Livermore Valley Groundwater Basin (Basin). The site is located in the western portion of the Basin where surficial deposits consist primarily of clay. A groundwater elevation contour map prepared by Alameda County Flood Control and Water Conservation District, Zone 7 (Zone 7) for the fall of 2003, is provided in Attachment C. The groundwater flow direction in the "Upper Aquifer" beneath the site is shown to be to the southeast

In April 2002, Cambria submitted a sensitive receptor survey for the site. Based on a review of Department of Water Resources records, six wells were identified within a ½-mile radius of the site, including one active municipal well, one destroyed municipal well, one abandoned irrigation well, one destroyed irrigation well and two wells of unknown use (Figure 1). Cambria obtained Well Driller's logs from the California Department of Water Resources (DWR) for wells in the site area. The following logs are from two wells in the site area (depths in feet bg):

Log #1

- 0 to 3 – adobe
- 3 to 16– yellow clay
- 16 to 28 – blue clay
- 28 to 33 – yellow clay
- 33 to 59– gravel
- 59 to 95 – yellow clay
- 95 to 103 – gravel
- 103 to 106 – yellow clay
- 106 to 120 – gravel
- 120 to 139 - yellow clay

Log #2

- 0 to 5 – soil
- 5 to 16 – sandy yellow clay
- 16 to 36 – brown clay
- 36 to 40 – yellow clay
- 40 to 47 - sand and gravel
- 52 to 67 – blue clay
- 67 to 88 – gravel
- 88 to 96 – sandy yellow clay
- 96 to 105 – gravel
- 105 to 118 – sandy yellow clay

All wells for which logs were supplied were screened at 100 feet bg and below.

The nearest surface water body is the Arroyo Mocho Canal located approximately 400 feet south of the site (Figure 2). The water surface in channel is approximately 28 feet below the surface of Hopyard Road (Figure 4).

WELL 3S/1E-7Q1

Cambria identified a former irrigation well on or adjacent to the site. The ACHCSA has expressed concern regarding this well as a potential vertical conduit. The DWR Well Form for Well 3S/1E-7Q1 is provided as Attachment D. The well was "abandoned per ACFCWCD" (Zone 7) in August 1966. The exact location of the former well is uncertain. Three locations are possible:

- a map from Zone 7 (Attachment D) shows the well to be located on the Shell service station property possibly below the station building (location A, Figure 3);
- a well is shown on the US Geological Survey Dublin, California topographic quadrangle (Figure 1) approximately midway between Las Positas Boulevard and the Arroyo Macho Canal on the west side of Hopyard Road (location B, Figure 3) and;
- the information on the DWR Well Form indicates that the well was located "100 feet north of canal crossing Hopyard Road" and "150 feet west of Hopyard Road" (location C, Figure 3).

The depth of the well is reported on DWR Well Form as 172.5 feet. No well construction data is provided.

CPT SOIL AND GROUNDWATER INVESTIGATION

On February 15 through 18, 2005, Delta performed groundwater sampling at nine locations (CPT-3 through CPT-11, Figure 2) using CPT equipment provided by Gregg In Situ, Inc. (License C57- 656407). The goal of the CPT investigation was to define the lateral and vertical extent of MTBE and TBA previously detected in first encountered groundwater in the 15- to 20-foot depth interval. All work was performed under the direction and supervision of a California Certified Hydrogeologist. The ACHCSA was provided with one week notice prior to commencement of field activities.

PREFIELD ACTIVITIES

Prior to drilling, Delta marked the locations of all CPT locations and contact Underground Services Alert 48 hours prior to drilling. In addition, a private utility locator was retained to perform a geophysical survey of the proposed boring locations. Each location was then air-knifed to a depth of approximately seven feet to minimize the possibility of encountering underground utilities during CPT work. Delta obtained all required drilling permits from the Zone 7 Water Agency and an encroachment permit for the work in Hopyard Road from the City of Pleasanton (Attachment E).

CPT SOIL PROFILING

CPT activities were performed in accordance with Cambria's *Agency Response, Revised SCM, & Modified Work Plan* dated June 30, 2004. With the exception of on site location CPT-3, all CPT borings were drilled to a depth of 80 feet bg. Boring CPT-3 was extended to a depth of 45 feet bg to avoid possible "dragging down of source area contaminants to the deeper water-bearing zone know to occur between 45 and 75 fbg [feet below grade]."

Each CPT location consisted of two separate boreholes – one for stratigraphic profiling and a second for collecting discrete soil and groundwater samples. At each CPT location, 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. Soil profile graphs are contained in the report prepared by Gregg In Situ, Inc. (Attachment F). Grout was pumped into the initial borehole behind the cone by using a grout collar (retraction grouting).

The CPT boreholes encountered clay to a depth of approximately 50 feet bg. Interlayered silt, sandy silt, sand, and gravelly sand predominate from approximately 50 feet bg to the total depth explored of 80 feet bg. Delta has prepared a series of geologic cross sections based on CPT data and boring logs from previous soil borings and borings for groundwater monitoring wells. Geologic section locations are shown on Figure 3. Five geologic sections (one longitudinal and four transects) are provided as Figures 4 through 8.

CPT SOIL SAMPLING AND ANALYSIS

A second CPT borehole was drilled at each location for collection of depth discrete soil and groundwater samples. Depth discrete soil samples were collected from on-site borings CPT-3 and CPT-5. TBA concentrations in groundwater monitoring wells in the area of borings CPT-3 and CPT-5 exceed 1,000 ug/l. The purpose of soil collection and chemical analyses from on-site CPT borings was to define the vertical penetration of MTBE and TBA into clay beneath the first encountered groundwater. Cambria originally proposed to collect soil samples at 5, 10, 15, and 20 feet bg. These were the same sample depths for nearby borings drilled by Cambria in October 2004. Delta chose to collected soil samples from the two on-site borings at 25 feet, 35 feet, and 45 feet bg in order to evaluate the penetration of petroleum hydrocarbons, MTBE, and TBA into the lower portion of the clay deposits. Soil samples were collected by direct push method and were retained in one inch brass rings, sealed with Teflon sheets and tight fitting plastic caps, and placed in sealed plastic bags. The soil samples were then placed on ice for transportation to the laboratory under chain of custody documentation. Samples were analyzed by Severn Trent Laboratory for TPH-G, BTEX compounds, MTBE, and TBA by US EPA Method 8260.

Penetration of petroleum hydrocarbons, MTBE, and TBA into clay appears to be limited. TPH-G, benzene, and toluene were not detected in any soil sample. Ethylbenzene and xylene were detected only in the 25-foot sample from boring CPT-5. MTBE was not detected in any of the soil samples. TBA was detected only in the 25- and 35-foot soil samples from boring CPT-3 at 0.33 milligrams per kilogram (mg/kg) and 0.56 mg/kg, respectively. TBA was not detected in the 45-foot sample from boring CPT-3. The soil analytical results are presented on Table 1. Laboratory analytical reports and chain of custody documentation are provided as Attachment G.

In accordance with Cambria's work plan dated June 30, 2004, Delta also collected soil samples of sand from off-site boring CPT-10 "for confirmation of soil type from intervals which could be screened if a deeper well is proposed." Soil samples were collected at 63 feet and 78 feet below grade. The two soil samples were classified in the field as a poorly graded fine to medium sand (Unified Soil Classification Symbol SP).

CPT GROUNDWATER SAMPLING AND ANALYSIS

A Delta field geologist determined appropriate depths from which to collect discrete groundwater samples by interpreting the initial soil classification print out for each CPT location. Depths of approximately 35, 55, and 75 feet bg were targeted for sample collection. To collect discrete groundwater samples, a sealed PVC hydropunch screen was pushed to the desired sampling depth. The push rod was then retracted exposing the hydropunch screen. Groundwater, when available, flowed 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 were placed on ice for transportation to the laboratory. Groundwater samples were analyzed for TPH-G, BTEX compounds, and fuel oxygenates MTBE and TBA by EPA Method

8260B. Groundwater analytical data and sample depth intervals are summarized on Table 2. Laboratory reports and chain of custody documentation are provided as Attachment H.

Delta was only able to collect a groundwater sample in the targeted 35 foot zone in two of the nine boreholes. At each of the nine CPT locations, Delta exposed four feet of the hydropunch screen to the formation at approximately 35 feet bg for approximately 25 minutes. In each borehole, after 25 minutes there was insufficient groundwater available in the hydropunch screen to collect a sample. At boring locations CPT-7 and CPT-10, a borehole was initially drilled to depths of 35 and 38 feet bg, respectively. After waiting the initial 25 minutes for water to come into the hydropunch screen, the CPT rods were pulled out of the borehole and a temporary casing was set in the borehole. After approximately 5 to 6 hours, a sufficient quantity of water had collected in the casing to provide a sample for analysis. Based on depth to groundwater in monitoring wells on-site, Delta assumes that water collected may have infiltrated from between depths of 20 and 38 feet.

Delta was able to collect two water samples from each boring from the 50- to 80-foot depth interval. The soil profile from the initial boring at each location was used to select two prominent sand layers within the 50- to 80-food depth interval for sampling. Groundwater sampling intervals and analytical data are provided on Table 2 and shown on geologic cross sections Figures 4 through 8. Immediately after collecting the soil and groundwater samples, boreholes were tremmie-filled to the surface with a Portland cement/bentonite slurry mixture (5% bentonite).

Groundwater analytical data from the first quarter 2005 sampling event, Cambria borings drilled in October 2004, and the recent CPT investigation indicate that petroleum hydrocarbons, MTBE, and TBA are primarily confined to the first encountered groundwater in the 15- to 20-foot depth interval. The clay extending from near the ground surface to a depth of approximately 50 feet bg appears to act to retard the downward migration of contaminants. MTBE and TBA were detected in only three of sixteen groundwater samples from sand deposits below a depth of 50 feet. The three samples were collected from borings CPT-4 and CPT-5 in the area of highest TBA concentrations in shallow groundwater (Figure 3). MTBE was detected in the 55- to 60-foot groundwater sample from boring CPT-4 at 0.54 ug/l. MTBE was not detected in the 70- to 74-foot depth sample from the boring. MTBE and TBA were both detected in the 59- to 62-foot and 76- to 80-foot groundwater samples from boring CPT-5. MTBE and TBA concentrations increased with depth. MTBE and TBA concentrations in the 76- to 80-foot sample were 19 ugl and 39 ug/l, respectively.

CONCLUSIONS

Delta provides the following conclusions based on the first quarter groundwater sampling data, information from the soil and groundwater investigation performed by Cambria in October 2004, and the recent CPT investigation:

- An extensive clay layer exists between ground surface and a depth of approximately 50 feet bg;
- first encountered groundwater occurs in the clay deposits in the 15- to 20-foot depth interval;
- groundwater in the 15- to 20-foot interval migrates slowly to the east across Hopyard Road;
- petroleum hydrocarbons, MTBE, and TBA are concentrated in the 15- to 20-foot depth interval;
- the lateral extent of petroleum hydrocarbons, MTBE, and TBA is defined in the first encountered groundwater;
- first encountered groundwater may discharge to Arroyo Mocho Canal approximately 400 feet south of the site;

- no impact on water quality in the Canal is anticipated due to the low discharge rate, surface evaporation, and low concentration of MTBE in nearby Well S-12;
- vertical migration of petroleum hydrocarbons, MTBE, and TBA is retarded by the clay deposits extending to a depth of approximately 50 feet bg;
- MTBE and TBA have been able to penetrate the clay deposits in the area of boring CPT-5 and have entered underlying sand layers;
- the extent of the MTBE and TBA in the sand layers appears to be horizontally limited and;
- the location of the abandoned irrigation well 3S/1E-7Q1 remains uncertain. It appears that at the time, the well was abandoned in accordance with regulatory guidelines.

RECOMMENDATIONS

Delta recommends the following actions:

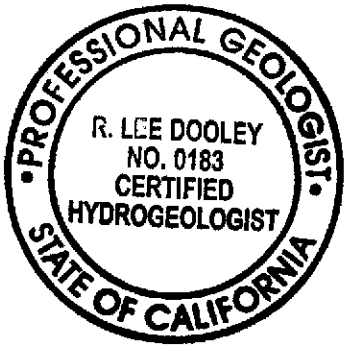
- Drilling of an additional CPT boring near previous boring CPT-5. The purpose of the boring is to define the vertical extent of petroleum hydrocarbons, MTBE, and TBA detected in boring CPT-5 at a depth of 76 to 80 feet bg. The CPT boring will be extended to a depth of at least 120 feet bg. Depth discrete groundwater samples will be collected from sand layers from 80 to 120 feet bg. The water samples will be analyzed for TPH-G, BTEX compounds, MTBE, and TBA by EPA Method 8260B.
- Install a well cluster in the area of boring CPT-5. A series of wells will be installed at depths ranging from 75 to 120 feet bg based on the results of the CPT boring described above. Wells will be constructed with maximum well screen lengths of 5 feet.
- Install a well cluster in the southeast corner of the 3760 Hopyard Road (7-Eleven) property. A series of wells will be installed at depths ranging from 35 to 120 feet bg based on the results of the CPT boring described above. Wells will be constructed with maximum well screen lengths of 5 feet.

If you have any questions, please call me at (408) 224-4724.

Sincerely,
Delta Environmental Management, Inc.

Rebecca Wolff
Senior Staff Geologist

R. Lee Dooley
Senior Hydrogeologist
CHG 183



Attachments: Table 1 – Soil Analytical Data
Table 2 – Groundwater Analytical Data from Borings

Figure 1 – Site Location and Well Survey Map
Figure 2 – CPT Boring and Well Location Map
Figure 3 – Geologic Cross Section Location Map
Figure 4 – Cross Section A – A'
Figure 5 – Cross Section B – B'
Figure 6 – Cross Section C – C'
Figure 7 – Cross Section D – D'
Figure 8 – Cross Section E – E'

Attachment A – Historic Soil Sampling Location Maps and Analytical Data
Attachment B – Historic Groundwater Analytical Data
Attachment C – Zone 7 Water Agency Groundwater Gradient Map
Attachment D – Information for Well 3S/1E-7Q1
Attachment E – Permits
Attachment F – CPT Site Investigation Report, Gregg In Situ, Inc., February 23, 2005
Attachment G – Soil Analytical Reports and Chain of Custody Documentation
Attachment H – Groundwater Analytical Reports and Chain of Custody Documentation

cc. Denis Brown, Shell Oil Products US
Betty Graham, RWQCB – San Francisco Bay Region
Danielle Stefani, Livermore-Pleasanton Fire Department
Matthew Katen, Zone 7 Water Agency

Table 1
Summary of Soil Analytical Data
Shell Service Station
3790 Hopyard Road
Pleasanton, California

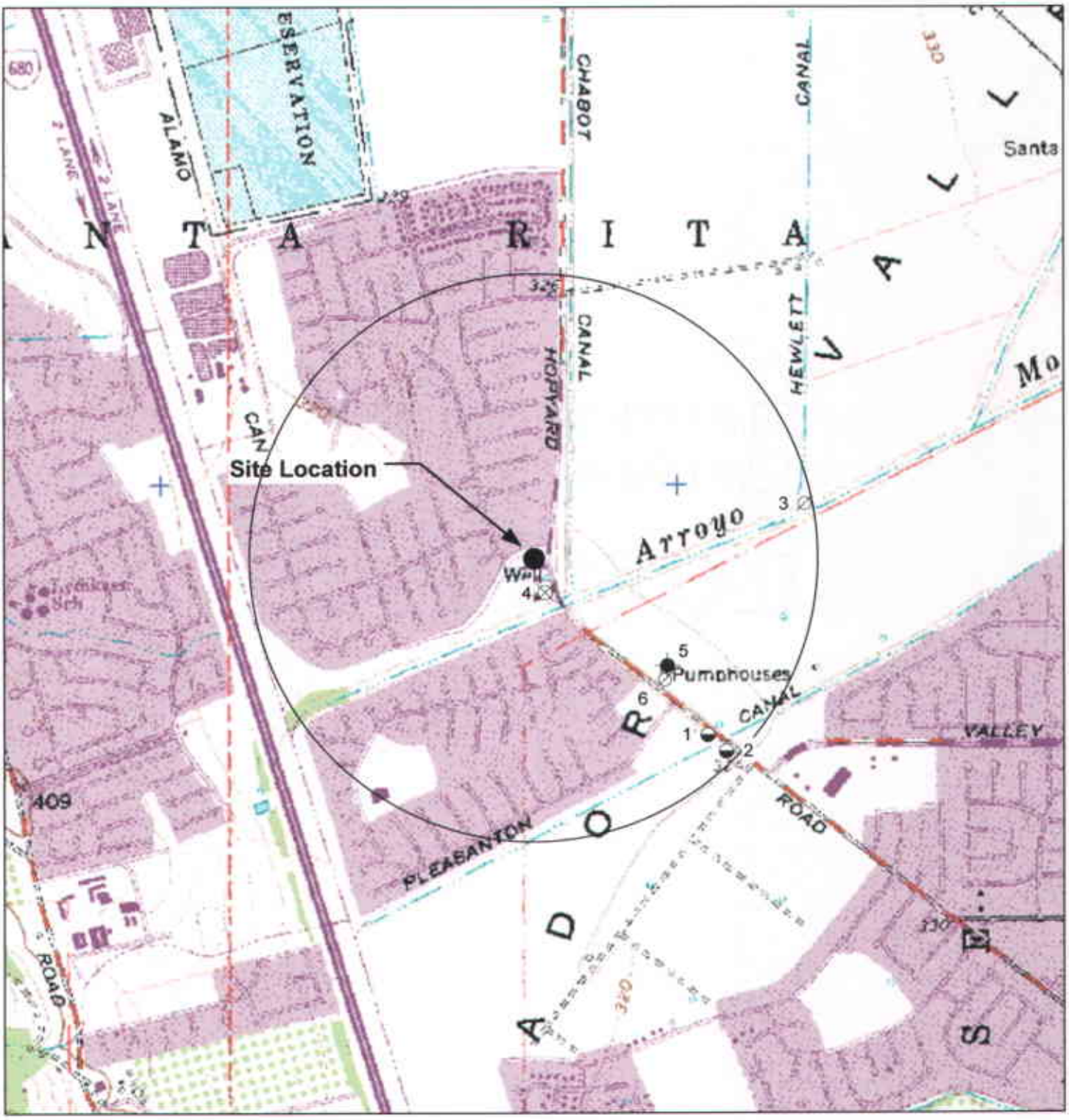
Sample Designation	Date Sampled	Depth (feet)	**TPH-G** (mg/kg)	**Benzene** (mg/kg)	**Toluene** (mg/kg)	**Ethyl-benzene** (mg/kg)	**Xylene** (mg/kg)	**MTBE** (mg/kg)	**TBA** (mg/kg)
CPT-3	2/15/2005	25'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.33**
CPT-3	2/15/2005	35'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.56**
CPT-3	2/15/2005	45'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010
CPT-5	2/18/2005	25'	<1.0	<0.0050	<0.0050	**0.018**	**0.020**	<0.0050	<0.010
CPT-5	2/18/2005	35'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010
CPT-5	2/18/2005	45'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010

Notes:
mg/kg = milligrams per kilogram
TPH-G = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether
TBA = tert-Butyl alchohol
NA = not analyzed
NM = not measured

Table 2
Summary of Groundwater Analytical Data
Shell Service Station
3790 Hopyard Road
Pleasanton, California

Sample Designation	Date Sampled	Depth (feet bg)	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Xylene (ug/l)	MTBE (ug/l)	TBA (ug/l)
CPT-3	2/15/2005	33-38	DRY						
CPT-3	2/15/2005	43-48	DRY						
CPT-4	2/16/2005	33-38	DRY						
CPT-4	2/16/2005	55-60	<50	**1.2**	<0.50	**3.0**	**3.0**	**0.54**	<5.0
CPT-4	2/16/2005	70-74	<50	<0.50	<0.50	**1.1**	**1.3**	<0.50	<5.0
CPT-5	2/18/2005	33-38	DRY						
CPT-5	2/18/2005	59-62	**150**	**0.64**	<0.50	**1.7**	**1.3**	**1.2**	**6.8**
CPT-5	2/18/2005	76-80	**620**	**16**	**0.66**	**32**	**14**	**19**	**39**
CPT-6	2/18/2005	33-38	DRY						
CPT-6	2/18/2005	59-63	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
CPT-6	2/18/2005	75-78	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
CPT-7	2/16/2005	20-35	<50	<0.50	<0.50	<0.50	<1.0	**160**	<5.0
CPT-7	2/16/2005	60-63	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
CPT-7	2/16/2005	75-80	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
	2/16/2005	33-38	DRY						
CPT-8	2/16/2005	60-63	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
CPT-8	2/16/2005	75-80	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
CPT-9	2/18/2005	33-38	DRY						
CPT-9	2/18/2005	58-62	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
CPT-9	2/18/2005	74-77	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
CPT-10	2/17/2005	20-38	<100	<1.0	<1.0	<1.0	<2.0	**200**	**11**
CPT-10	2/17/2005	62-64	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
CPT-10	2/17/2005	76-80	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
CPT-11	2/17/2005	33-38	DRY						
CPT-11	2/17/2005	63	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0
CPT-11	2/17/2005	70-74	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0

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 alchohol



LEGEND

- WELL OF UNKNOWN USE
- DESTORYED WELL
- ABANDONED WELL
- MUNICIPAL WELL

QUADRANGLE LOCATION

North

0 1,300 2,600

Scale, Feet

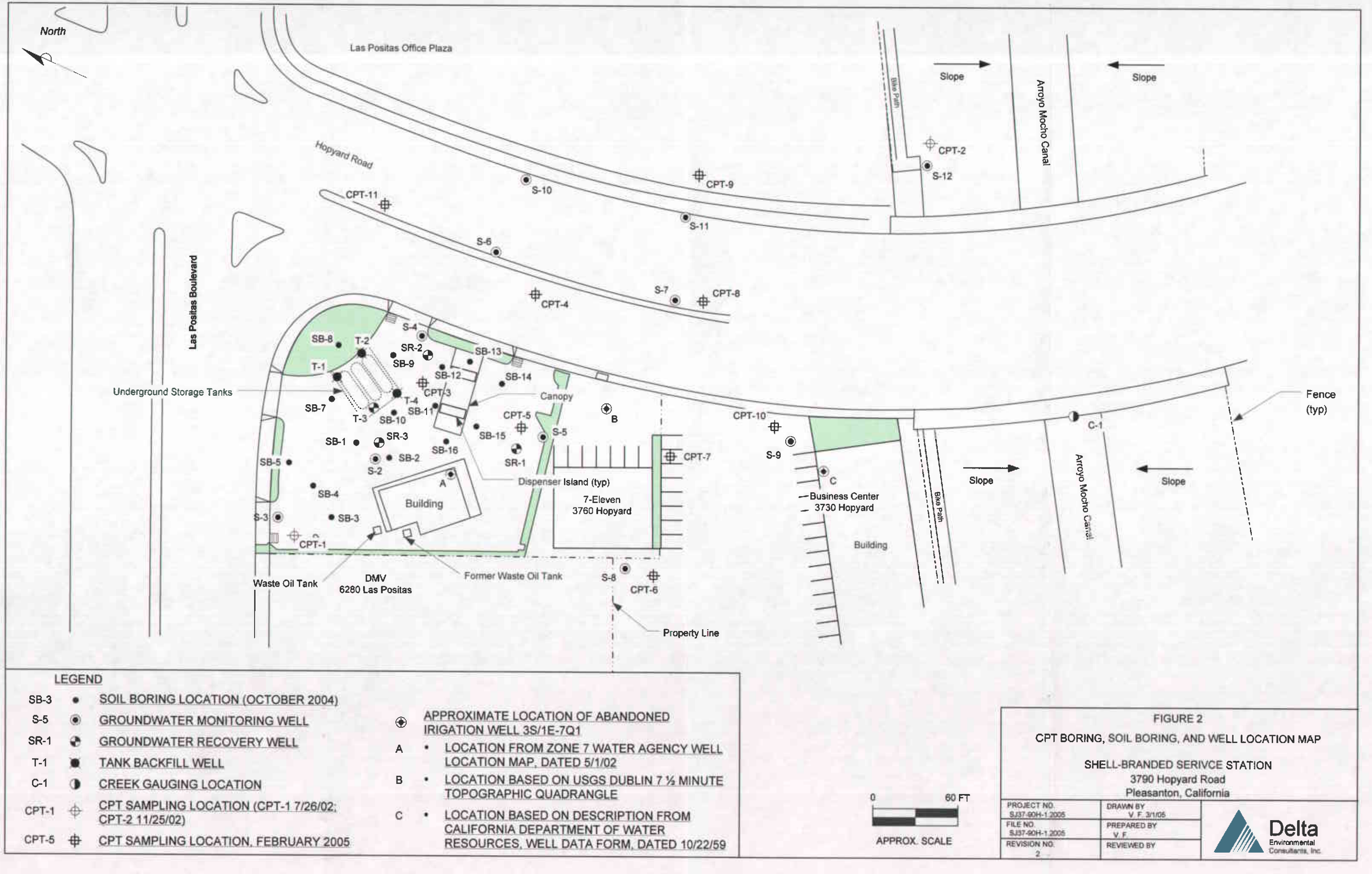
GENERAL NOTES:
Base Map from: DeLorme Yarmouth, ME 04096
Source Data: USGS

FIGURE 1
SITE LOCATION AND WELL SURVEY MAP

SHELL-BRANDED SERVICE STATION
3790 Hopyard Road
Pleasanton, California

PROJECT NO. SJ37-90H-1.2005	DRAWN BY VF 12/04/03
FILE NO. SJ37-90H-1.2005	PREPARED BY VF
REVISION NO.	REVIEWED BY

Delta Environmental Consultants, Inc



LEGEND

SB-3	•	SOIL BORING LOCATION (OCTOBER 2004)
S-5	◉	GROUNDWATER MONITORING WELL
SR-1	◔	GROUNDWATER RECOVERY WELL
T-1	■	TANK BACKFILL WELL
C-1	◑	CREEK GAUGING LOCATION
CPT-1	⌖	CPT SAMPLING LOCATION (CPT-1 7/26/02; CPT-2 11/25/02)
CPT-5	⌖	CPT SAMPLING LOCATION, FEBRUARY 2005
	⊕	APPROXIMATE LOCATION OF ABANDONED IRIGATION WELL 3S/1E-7Q1

A • LOCATION FROM ZONE 7 WATER AGENCY WELL LOCATION MAP, DATED 5/1/02

B • LOCATION BASED ON USGS DUBLIN 7 ½ MINUTE TOPOGRAPHIC QUADRANGLE

C • LOCATION BASED ON DESCRIPTION FROM CALIFORNIA DEPARTMENT OF WATER RESOURCES, WELL DATA FORM, DATED 10/22/59

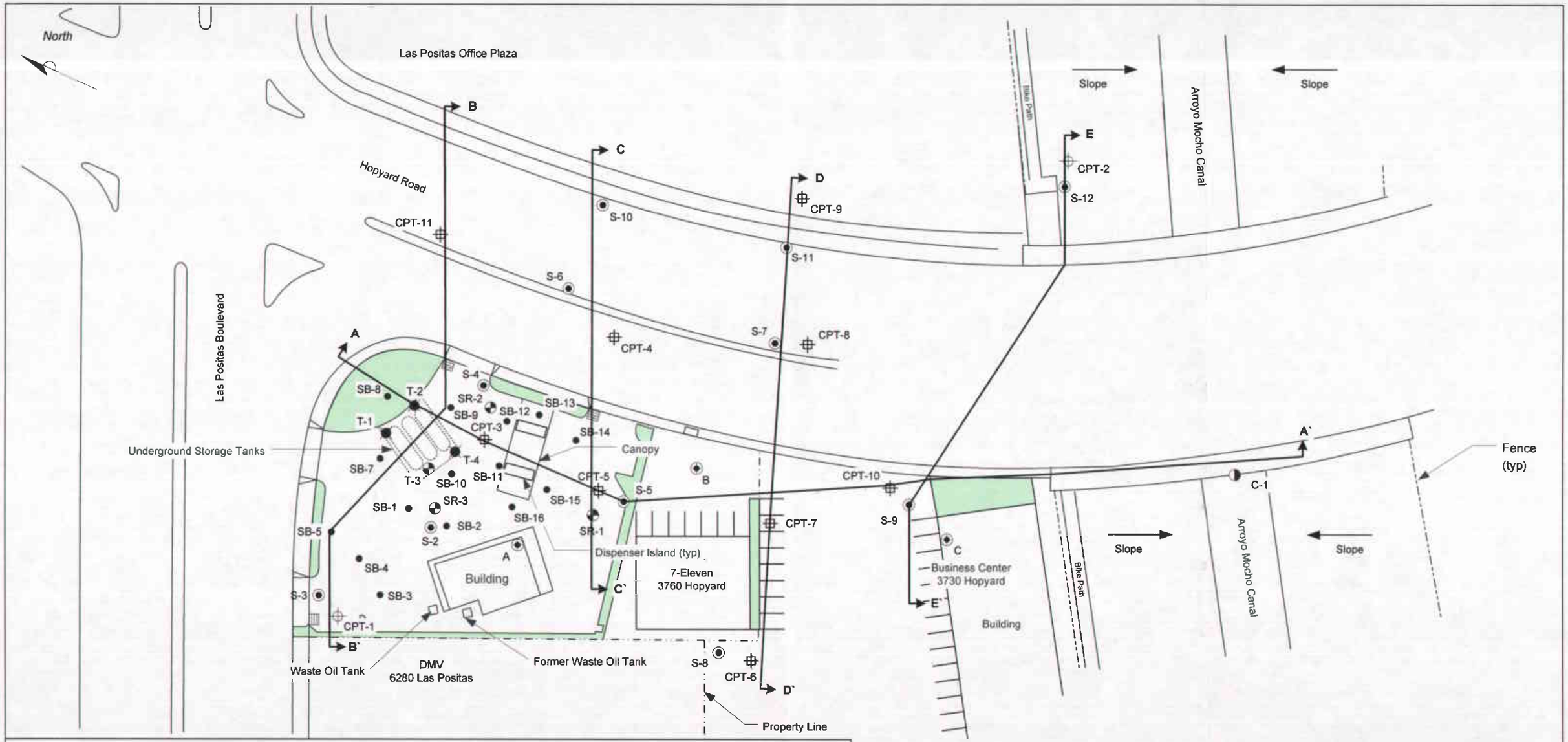
FIGURE 2

CPT BORING, SOIL BORING, AND WELL LOCATION MAP

SHELL-BRANDED SERIVCE STATION
3790 Hopyard Road
Pleasanton, California

PROJECT NO. SJ37-90H-1.2005	DRAWN BY V. F. 3/1/05
FILE NO. SJ37-90H-1.2005	PREPARED BY V. F.
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND

SB-3	•	SOIL BORING LOCATION (OCTOBER 2004)
S-5	◉	GROUNDWATER MONITORING WELL
SR-1	◕	GROUNDWATER RECOVERY WELL
T-1	■	TANK BACKFILL WELL
C-1	◑	CREEK GAUGING LOCATION
CPT-1	⌖	CPT SAMPLING LOCATION (CPT-1 7/26/02; CPT-2 11/25/02)
CPT-5	⌗	CPT SAMPLING LOCATION, FEBRUARY 2005
C C`		CROSS SECTION LINE AND DESIGNATION
	◈	APPROXIMATE LOCATION OF ABANDONED IRIGATION WELL 3S/1E-7Q1

A • LOCATION FROM ZONE 7 WATER AGENCY WELL LOCATION MAP, DATED 5/1/02

B • LOCATION BASED ON USGS DUBLIN 7 ½ MINUTE TOPOGRAPHIC QUADRANGLE

C • LOCATION BASED ON DESCRIPTION FROM CALIFORNIA DEPARTMENT OF WATER RESOURCES, WELL DATA FORM, DATED 10/22/59

0 60 FT

APPROX. SCALE

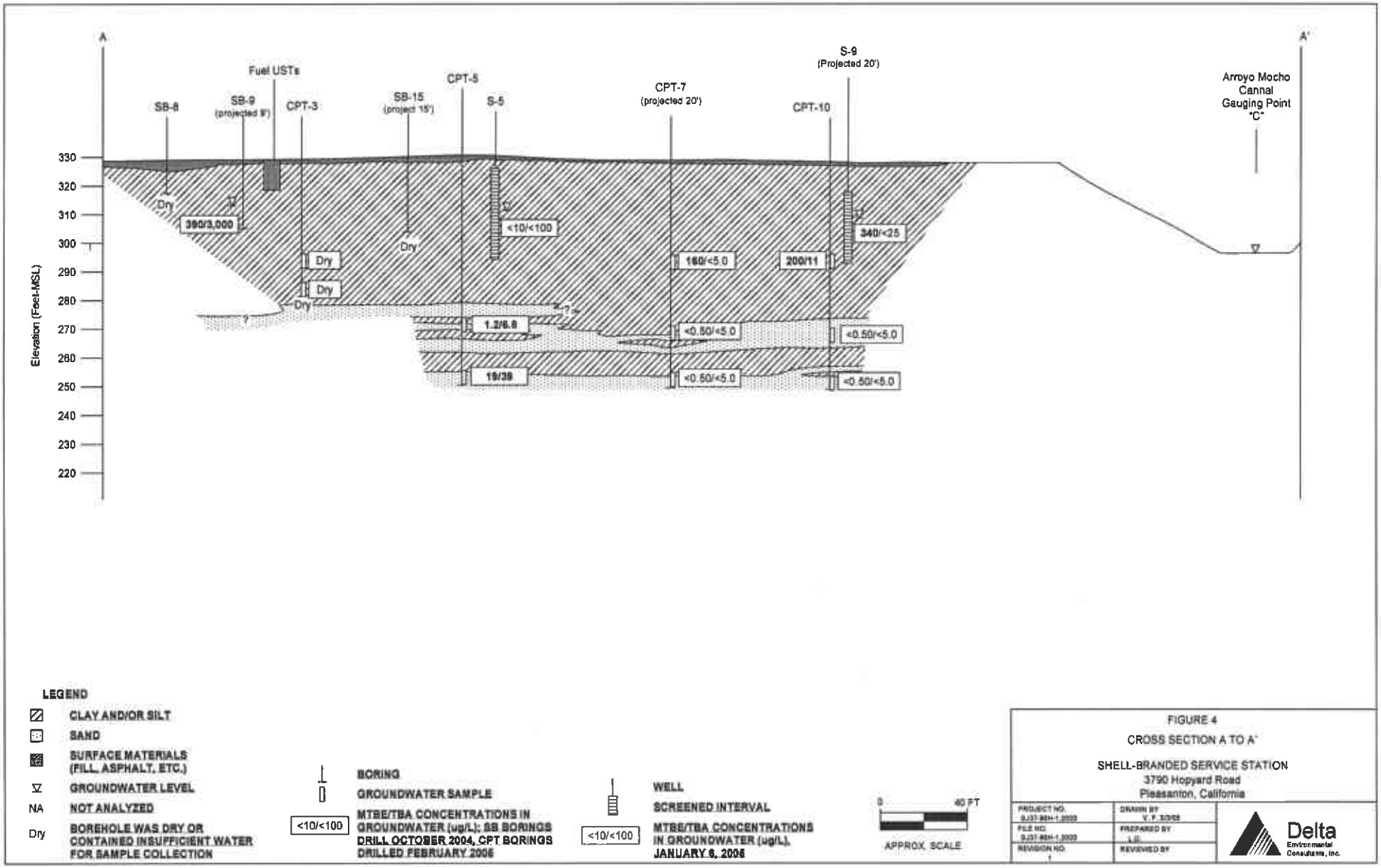
FIGURE 3

GEOLOGIC CROSS SECTION LOCATION MAP

SHELL-BRANDED SERIVCE STATION
3790 Hopyard Road
Pleasanton, California

PROJECT NO. SJ37-90H-1.2005	DRAWN BY V. F. 3/1/05
FILE NO. SJ37-90H-1.2005	PREPARED BY V. F.
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc



LEGEND

- CLAY AND/OR SILT
- SAND
- SURFACE MATERIALS (FILL, ASPHALT, ETC.)
- GROUNDWATER LEVEL
- NA — NOT ANALYZED
- Dry — BOREHOLE WAS DRY OR CONTAINED INSUFFICIENT WATER FOR SAMPLE COLLECTION
- BORING
- GROUNDWATER SAMPLE
- <10/<100 — MTBE/TBA CONCENTRATIONS IN GROUNDWATER (ug/L); SB BORINGS DRILL OCTOBER 2004, CPT BORINGS DRILLED FEBRUARY 2006
- WELL
- SCREENED INTERVAL
- <10/<100 — MTBE/TBA CONCENTRATIONS IN GROUNDWATER (ug/L), JANUARY 6, 2006

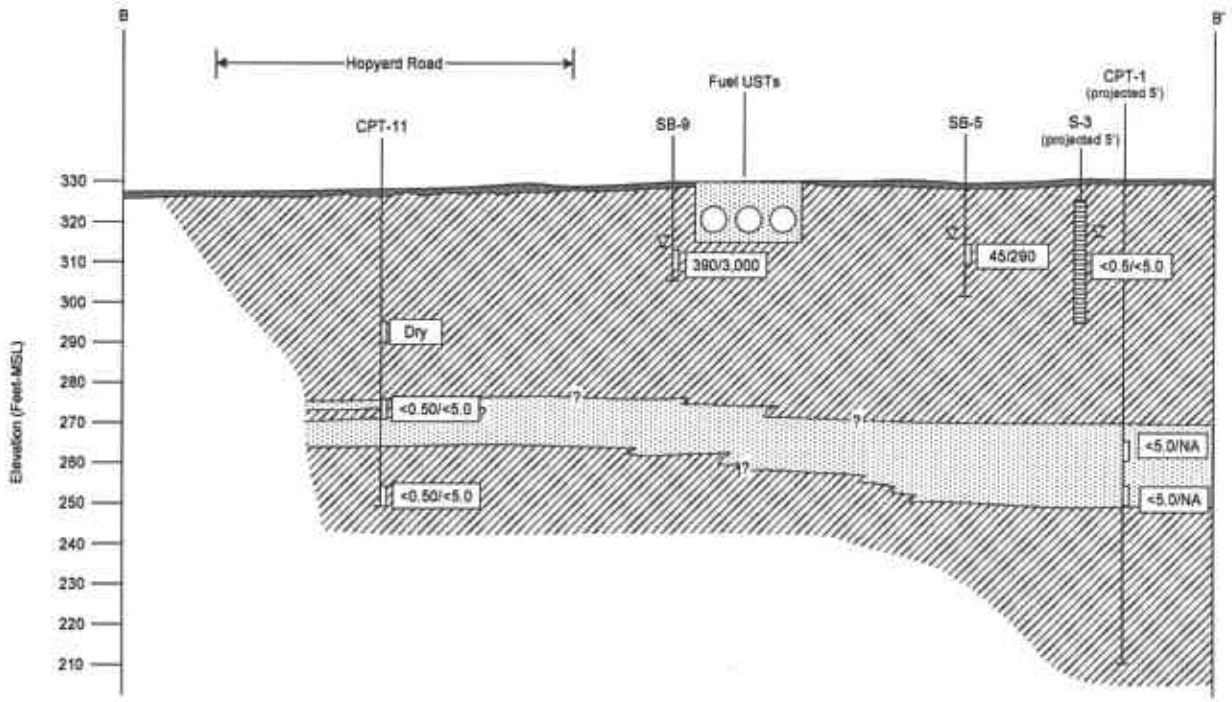
0 40 FT
APPROX. SCALE

FIGURE 4
CROSS SECTION A TO A'

SHELL-BRANDED SERVICE STATION
3790 Hopyard Road
Pleasanton, California

PROJECT NO. 0.237-WSH-1.2005	DRAWN BY V. F. 3/2/06
FILE NO. 0.237-WSH-1.2005	PREPARED BY L.B.
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND

- CLAY AND/OR SILT
- SAND
- SURFACE MATERIALS (FILL, ASPHALT, ETC.)
- ▽ GROUNDWATER LEVEL
- NA NOT ANALYZED
- Dry BOREHOLE WAS DRY OR CONTAINED INSUFFICIENT WATER FOR SAMPLE COLLECTION

BORING
GROUNDWATER SAMPLE
<10/<100 MTBE/TBA CONCENTRATIONS IN GROUNDWATER (ug/L); SB BORINGS DRILL OCTOBER 2004, CPT BORINGS DRILLED FEBRUARY 2006

WELL
SCREENED INTERVAL
<10/<100 MTBE/TBA CONCENTRATIONS IN GROUNDWATER (ug/L), JANUARY 6, 2006

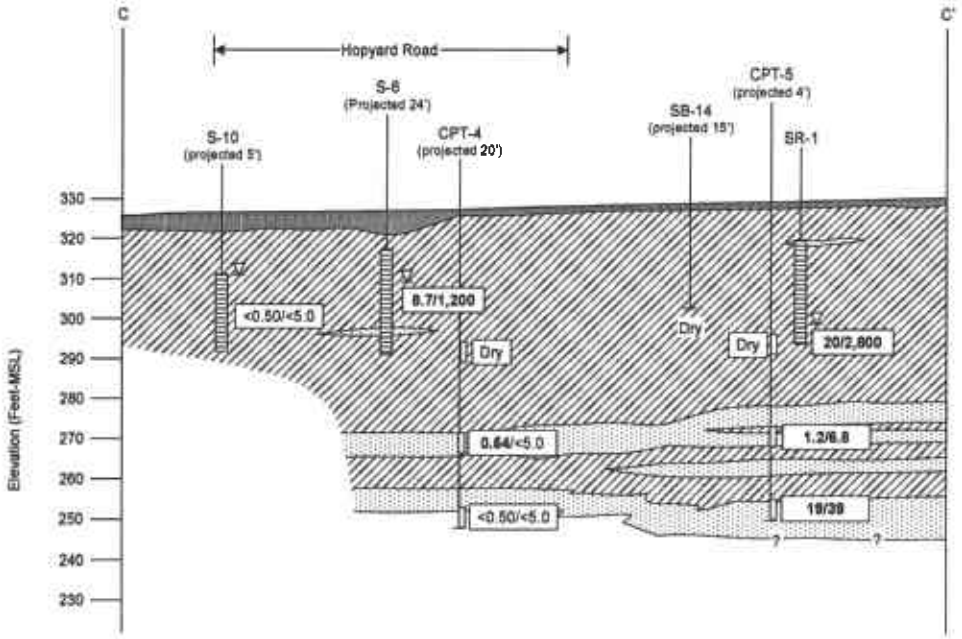
0 40 FT
APPROX. SCALE

FIGURE 5
CROSS SECTION B TO B'

SHELL-BRANDED SERVICE STATION
3790 Hopyard Road
Pleasanton, California

PROJECT NO. SJST-004H-1.2005	DRAWN BY V. F. 2/5/06
FILE NO. SJST-004H-1.2005	PREPARED BY L. D.
REVISION NO. 3	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND

- CLAY AND/OR SILT
- SAND
- SURFACE MATERIALS (FILL, ASPHALT, ETC.)
- GROUNDWATER LEVEL
- NA — NOT ANALYZED
- Dry — BOREHOLE WAS DRY OR CONTAINED INSUFFICIENT WATER FOR SAMPLE COLLECTION
- BORING
- GROUNDWATER SAMPLE
- <10/<100 — MTBE/TBA CONCENTRATIONS IN GROUNDWATER (ug/L): SB BORINGS DRILL OCTOBER 2004, CPT BORINGS DRILLED FEBRUARY 2006
- WELL
- SCREENED INTERVAL
- <10/<100 — MTBE/TBA CONCENTRATIONS IN GROUNDWATER (ug/L), JANUARY 6, 2006

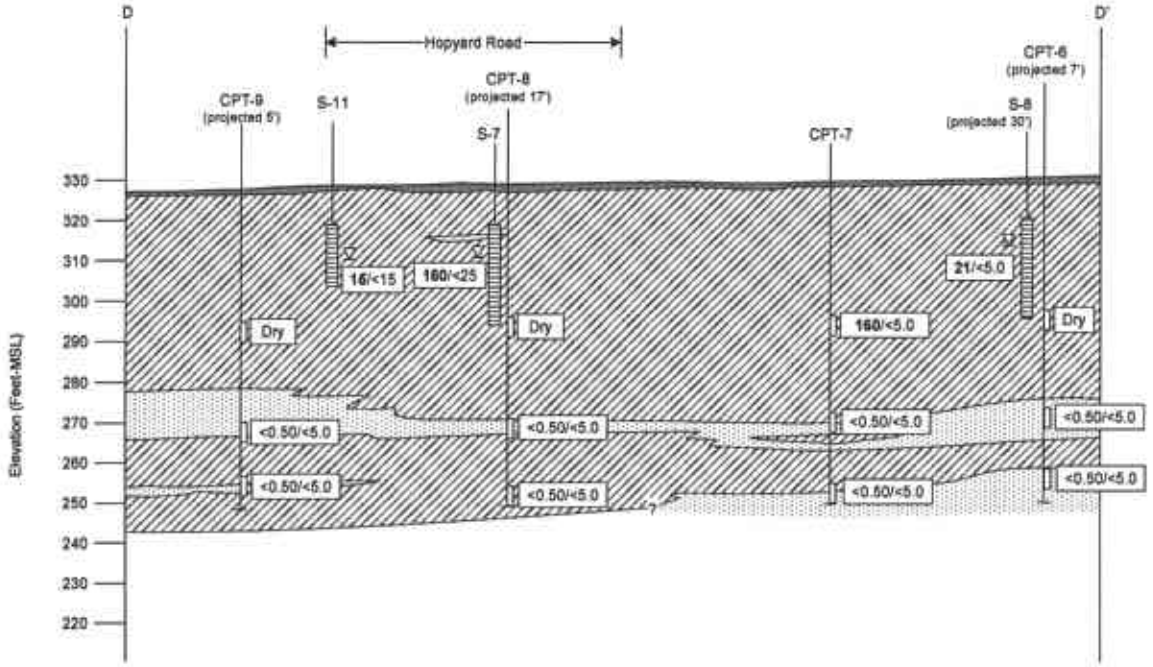
0 40 FT
APPROX. SCALE

FIGURE 6
CROSS SECTION C TO C'

SHELL-BRANDED SERVICE STATION
3790 Hopyard Road
Pleasanton, California

PROJECT NO. SJ37-SSH-1.2005	DRAWN BY V. T. 3/2006
FILE NO. SJ37-SSH-1.2005	PREPARED BY L.D.
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND

- CLAY AND/OR SILT
- SAND
- SURFACE MATERIALS (FILL, ASPHALT, ETC.)
- GROUNDWATER LEVEL
- NA — NOT ANALYZED
- Dry — BOREHOLE WAS DRY OR CONTAINED INSUFFICIENT WATER FOR SAMPLE COLLECTION
- BORING
- GROUNDWATER SAMPLE
- <10/<100 — MTBE/TBA CONCENTRATIONS IN GROUNDWATER (ug/L); SB BORINGS DRILL OCTOBER 2004, CPT BORINGS DRILLED FEBRUARY 2006
- WELL
- SCREENED INTERVAL
- <10/<100 — MTBE/TBA CONCENTRATIONS IN GROUNDWATER (ug/L), JANUARY 6, 2006

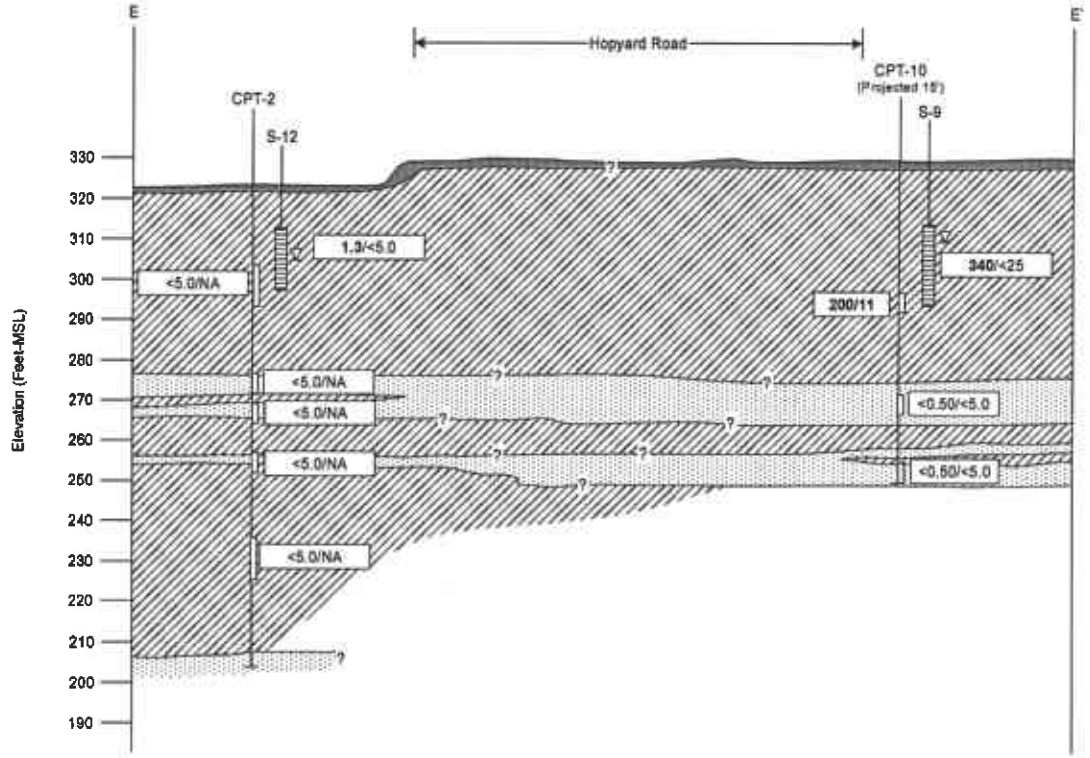
0 40 FT
APPROX. SCALE

FIGURE 7
CROSS SECTION D TO D'

SHELL-BRANDED SERVICE STATION
3790 Hopyard Road
Pleasanton, California

PROJECT NO. 9.237.96H-1.2005	DRAWN BY V. F. 9/3/06
FILE NO. 9.237.96H-1.2005	PREPARED BY L.D.
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND

- CLAY AND/OR SILT
- SAND
- SURFACE MATERIALS (FILL, ASPHALT, ETC.)
- GROUNDWATER LEVEL
- NA — NOT ANALYZED
- Dry — BOREHOLE WAS DRY OR CONTAINED INSUFFICIENT WATER FOR SAMPLE COLLECTION
- BORING
- GROUNDWATER SAMPLE
- <10/<100 — MTBE/TBA CONCENTRATIONS IN GROUNDWATER (ug/L): SB BORINGS DRILL OCTOBER 2004, CPT BORINGS DRILLED FEBRUARY 2006
- WELL
- SCREENED INTERVAL
- <10/<100 — MTBE/TBA CONCENTRATIONS IN GROUNDWATER (ug/L), JANUARY 6, 2006

0 40 FT
APPROX. SCALE

FIGURE 8
CROSS SECTION E TO E'

SHELL-BRANDED SERVICE STATION
3790 Hopyard Road
Pleasanton, California

PROJECT NO. SJ37-60H-1.2005	DRAWN BY V. F. 5/3/06
FILE NO. SJ37-60H-1.2005	PREPARED BY L.D.
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

Attachment A

HISTORIC SOIL SAMPLING LOCATION MAPS AND ANALYTICAL DATA

08-Dec-04

Soil Chemical Concentration Map

October 4-8, 2004

HOPYARD ROAD

LAS POSITAS BOULEVARD

Scale (ft)
0 10 20 40

SD 12"ϕ, ~4 fbg

W 14"ϕ 9 fbg

G, ~5 fbg

G 6"ϕ (high pressure)

SS 6"ϕ

planter

sign

vents

USTs

T-1 T-2 T-3 T-4

former USTs

former dispensers

dispensers

fire hydrant

PG&E vault

7-Eleven
3760 Hopyard

Shell-branded
Service Station
3790 Hopyard

W/O UST

former W/O UST

Exploratory excavation ~6' deep

Exploratory excavation ~6.5' deep

SB-1
<1.0/<0.0050/**0.051**/2.5'
<1.0/<0.0050/<0.0050/5.0'
2.4/<0.0050/**0.091**/10.5'
<4.2/<0.021/<0.021/15.5'
300/<0.50/**1.2**/19.5'

SB-2
<1.0/**0.015**/**1.2**/2.5'
<1.0/<0.0050/<0.0050/5.0'
<1.0/<0.0050/**0.011**/10.0'
<1.0/<0.021/**0.34**/15.0'
890/<0.50/**4.1**/19.5'
<4.5/<0.022/**0.12**/25.0'

SB-3
950/5.0/<0.50/2.5'
270/2.7/<0.50/5.0'
11/0.85/<0.021/10.0'
1.5/0.047/<0.005/15.5'
<1.0/<0.005/<0.005/19.5'
4.5/<0.021/<0.021/25.0'

SB-4
350/<0.50/<0.50/2.5'
1.3/0.19/<0.0050/5.0'
1.1/0.019/<0.0050/10.0'
1.5/0.047/<0.005/15.0'
<1.0/<0.005/<0.005/19.5'
<1.0/<0.005/<0.005/25.0'

SB-5
<1.0/<0.0050/<0.0050/2.5'
1.0/0.046/0.0070/5.0'
1.6/0.011/0.0081/9.5'
80/0.60/0.92/15.0'
6.1/0.040/0.034/19.5'

SB-7
<1.0/<0.0050/**0.019**/2.5'
<1.0/<0.0050/**0.079**/5.0'
2.8/<0.0050/<0.0050/10.0'
1.1/<0.020/**0.035**/15.0'
15/0.022/0.12/19.5'
1.7/<0.0050**0.033**/25.0'

SB-8
<1.0/<0.0050/<0.0050/5.0'
<1.0/<0.0050/**0.070**/10.0'

SB-9
<1.0/<0.0050/<0.005/2.5'
<1.0/<0.0050/**0.023**/5.0'
<4.7/<0.023/<0.023/10.0'
9.6/<0.50/<0.50/15.5'
<4.1/0.020/0.020/21.0'

SB-10
<1.0/<0.0050/**0.055**/2.5'

SB-11
<1.0/<0.0050/**0.023**/2.5'
220/0.51/<0.50/5.0'
<1.0/**0.055/0.067**/10.0'
<50/<0.50/<0.50/15.5'
2.6/<0.0050/**0.038**/20.0'
3.2/0.017/0.036/25.0'

SB-12
<1.0/<0.0050/<0.0050/2.5'
<1.0/<0.0050/**0.0068**/5.0'
<1.0/<0.0050/**0.050**/10.0'
<5.0/<0.025/**0.026**/15.5'
430/<0.50/**0.63**/20.0'
<4.7/<0.023/**0.036**/24.5'
280/<0.50/**0.51**/26.0'

SB-13
<1.0/<0.0050/**0.0058**/3.0'
<1.0/<0.0050/<0.0050/5.0'
3.6/<0.0050/<0.0050/10.0'
2.7/0.0089/0.076/15.0'
<1.0/<0.0050/**0.046**/20.0'

SB-14
<1.0/<0.0050/<0.0050/2.5'
<1.0/<0.0050/**0.014**/5.0'
1.9/0.043/0.0063/10.0'
8.2/0.041/0.0063/15.0'
<50/<0.50/**0.80**/20.0'
2.3/<0.0050/**0.26**/25.0'

SB-15
<1.0/<0.0050/**0.0074**/2.5'
5.9/<0.0050/<0.0050/5.0'
1.2/0.045/0.28/15.0'
470/<0.50/**1.2**/20.0'
<3.1/**0.052/0.78**/25.0'

SB-16
<1.0/<0.0050/<0.0050/2.5'

SR-1 SR-2 SR-3

S-1 S-2 S-3 S-4 S-5

EXPLANATION

- Groundwater monitoring well
- Groundwater recovery well
- Tank backfill well
- Soil boring location

<1.0/<0.50/<0.50/3' TPHg/benzene/MTBE soil concentrations in parts per million/depth in feet.

- Storm drain line (SD)
- Sanitary sewer line (SS)
- Water main (W)
- Electrical line (E)
- Telephone (T)
- Gas line (G)

CAMBRIA

Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California

FIGURE
3

PATH

Table 1. Historical Soil Analytical Data, Shell-branded Service Station - 3790 Hopyard Road, Pleasanton, California

Sample ID	Date	Depth (fbg)	TPHg (ppm)	MTBE (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)
S-B	01/22/86	4 - 5.5	30	---	0.3	0.2	---	2.3[a]
S-B	01/22/86	8 - 9.5	74	---	4.3	6.8	---	8.8[a]
S-B	01/22/86	11.5 - 13	79	---	0.4	0.1	---	0.8[a]
S-C	01/22/86	4 - 5.5	2	---	<0.1	<0.1	---	0.8[a]
S-C	01/22/86	7 - 8.5	5,100	---	14	130	---	1,200[a]
S-C	01/22/86	11.5 - 13	420	---	4	48	---	110[a]
S-D	01/23/86	4 - 5.5	2	---	0.2	0.2	---	<0.4[a]
S-D	01/23/86	7 - 8.5	10	---	<0.1	0.1	---	0.7[a]
S-D	01/23/86	11.5 - 13	110	---	0.8	0.2	---	12[a]
S-E	01/23/86	4 - 5.5	<2.0	---	<0.1	<0.1	---	<0.4[a]
S-E	01/23/86	7 - 8.5	6	---	<0.1	<0.1	---	<0.4[a]
S-E	01/23/86	11.5 - 13	6	---	0.4	<0.1	---	1.0[a]
ST-1	10/28/87	13.0 - 14.5	13	---	2.7	0.3	---	1.4
ST-2	10/28/87	13.0 - 14.5	23	---	0.22	0.7	---	4.3
S-1	10/28/87	14.0 - 15.5	57	---	5.3	0.3	---	6.8
S-1	10/28/87	19.0 - 20.5	9	---	0.43	0.1	---	0.8
S-1	10/28/87	33.5 - 35.0	<5	---	<0.05	<0.1	---	<0.4
S-2	10/28/87	14.0 - 15.5	53	---	6.7	0.1	---	8
S-2	10/28/87	19.0 - 20.5	5	---	0.07	<0.1	---	0.4

Table 1. Historical Soil Analytical Data, Shell-branded Service Station - 3790 Hopyard Road, Pleasanton, California

Sample ID	Date	Depth (fbg)	TPHg (ppm)	MTBE (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)
S-2	10/28/87	33.5 - 35.0	<5	---	<0.05	<0.1	---	<0.4
S-3	01/26/88	19.0 - 20.5	<5	---	<0.05	<0.1	---	<0.4
S-4	01/26/88	19.0 - 20.5	41	---	6.2	<0.1	---	5.9
S-5	01/26/88	19.0 - 20.5	4,700	---	50	170	---	900
A1	08/03/88	14	1300	---	13	110	45	230
A1X	08/03/88	20	<1.0	---	<0.1	<0.1	<0.1	<0.1
A2	08/03/88	14	2100	---	11	32	72	350
A2X	08/03/88	20.5	80	---	1.3	2.6	3.4	16
B-1	08/03/88	14	11	---	0.2	<0.1	<0.1	<0.1
B-2	08/03/88	14	120	---	5.9	5.8	3.7	19
B2X	08/03/88	20.5	1.5	---	<0.1	<0.1	<0.1	<0.1
C-1	08/03/88	14	110	---	2.8	0.4	7.8	31
C-1X	08/03/88	16	9.1	---	0.8	<0.1	1.1	0.6
C-2	08/03/88	14	52	---	4.8	0.1	4.4	3.9
Comp A	08/03/88	---	<1	---	<0.1	<0.1	<0.1	<0.1
Comp B	08/03/88	---	8.7	---	<0.1	0.2	0.1	0.6

Table 1. Historical Soil Analytical Data, Shell-branded Service Station - 3790 Hopyard Road, Pleasanton, California

Sample ID	Date	Depth (fbg)	TPHg (ppm)	MTBE (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)
Comp C	08/03/88	---	35	---	0.5	2.1	1.9	11
Comp D	08/03/88	---	32	---	0.3	0.1	0.1	5.9
A5	08/05/88	5	3.0	---	1.3	<0.1	<0.1	<0.1
A10	08/05/88	10	3.5	---	0.5	<0.1	0.2	0.2
A15	08/05/88	15	4.4	---	0.7	<0.1	0.5	0.3
S-6-2A	10/04/88	9 - 10.5	<5	---	0.05	<0.1	<0.1	<0.3
S-6-3A	10/04/88	14 - 15.5	9	---	<0.05	<0.1	<0.1	<0.3
S-6-4A	10/04/88	19 - 20.5	6	---	0.05	<0.1	0.1	<0.3
S-6-5A	10/04/88	24 - 25.5	<5	---	<0.05	<0.1	<0.1	<0.3
S-7-2A	10/04/88	9 - 10.5	<5	---	<0.05	<0.1	<0.1	<0.3
S-7-3A	10/04/88	14 - 15.5	<5	---	<0.05	<0.1	<0.1	<0.3
S-7-4A	10/04/88	19 - 20.5	<5	---	<0.05	<0.1	<0.1	<0.3
S-8-3A	02/24/89	14 - 15.5	<5	---	<0.05	<0.1	<0.1	<0.3
S-8-4A	02/24/89	19 - 20.5	<5	---	<0.05	<0.1	<0.1	<0.3
S-9-3A	02/24/89	14 - 15.5	<5	---	<0.05	<0.1	<0.1	<0.3
S-9-4A	02/24/89	19 - 20.5	<5	---	<0.05	<0.1	<0.1	<0.3
SR-1-15	08/09/89	15	<5	---	<0.1	<0.1	<0.1	<0.3
SR-1-20	08/09/89	20	40	---	5.4	<0.1	2.5	2.7

Table 1. Historical Soil Analytical Data, Shell-branded Service Station - 3790 Hopyard Road, Pleasanton, California

Sample ID	Date	Depth (fbg)	TPHg (ppm)	MTBE (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)
S-10-15	08/09/89	15	<5	---	<0.05	<0.1	<0.1	<0.3
S-10-20	08/09/89	20	<5	---	<0.05	<0.1	<0.1	<0.3
SR-3-10	09/19/89	10	<5.0	---	0.98	<0.1	<0.1	<0.3
SR-3-15	09/19/89	15	54	---	3.9	<0.2	4.2	2.7
SR-3-20	09/19/89	20	<5.0	---	<0.05	<0.1	0.2	<0.3
SR-2-10	09/20/89	10	<5.0	---	0.05	<0.1	<0.1	<0.3
SR-2-15	09/20/89	15	67	---	0.11	0.1	0.1	<0.3
SR-2-20	09/20/89	20	8.4	---	<0.05	<0.1	1.0	<0.3
D-1	07/26/02	3.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
D-2	07/26/02	3.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
D-3	07/26/02	3.5	**4.0**	<0.5	<0.005	<0.005	**0.012**	**0.011**
D-4	07/26/02	3.5	**1.8**	<0.5	<0.005	<0.005	**0.053**	**0.018**
P-1	07/26/02	3.5	**260**	<0.5	**0.079**	**0.072**	**0.48**	**1.1**
P-2	07/26/02	3.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
P-3	07/26/02	3.5	**10**	<0.5	**0.0083**	<0.005	**0.26**	<0.005
S-11-5.5	07/26/02	5.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
S-11-10.5	07/26/02	10.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
S-11-15.5	07/26/02	15.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
S-11-20.5	07/26/02	20.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
S-11-24.5	07/26/02	24.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005

Table 1. Historical Soil Analytical Data, Shell-branded Service Station - 3790 Hopyard Road, Pleasanton, California

Sample ID	Date	Depth (fbg)	TPHg (ppm)	MTBE (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)
S-12-5.5	09/19/02	5.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
S-12-10.5	09/19/02	10.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
S-12-15.5	09/19/02	15.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
S-12-20.5	09/19/02	20.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005
S-12-24.5	09/19/02	24.5	<1.0	<0.5	<0.005	<0.005	<0.005	<0.005

Notes and Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015; analyzed by EPA Method 8260B starting August 26, 2002

MTBE = Methyl tert-butyl ether, analyzed by EPA Method 8260B

Benzene, ethylbenzene, toluene, and xylenes analyzed by EPA Method 8015/5030; analyzed by EPA Method 8260B starting August 26, 2002

fbg = feet below grade

ppm = parts per million

--- = Not analyzed

<x = Below laboratory detection limit of x

[a] = Result is for undifferentiated xylenes and ethylbenzene

Table 2. Soil Analytical Data, Shell-branded Service Station, 3790 Hopyard Road, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (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)
SB-1	2.5	04-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.051**	**0.16**	---	---	---	---	---	---
SB-1	5.0	04-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.063**	---	---	---	---	---	---
SB-1	10.5	07-Oct-04	**2.4**	<0.0050	<0.0050	<0.0050	**0.019**	**0.091**	**0.035**	---	---	---	---	---	---
SB-1	15.5	07-Oct-04	<4.2	<0.021	<0.021	<0.021	<0.021	<0.021	**3.6**	---	---	---	---	---	---
SB-1	19.5	07-Oct-04	**300**	<0.50	<0.50	**4.0**	<0.50	**1.2**	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25
SB-2	2.5	04-Oct-04	<1.0	**0.015**	<0.0050	**0.0091**	**0.026**	**0.0053**	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1
SB-2	5.0	04-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	**0.0080**	<0.0050	<0.010	---	---	---	---	---	---
SB-2	10.0	08-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.011**	**0.012**	---	---	---	---	---	---
SB-2	15.0	08-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.34**	**0.14**	---	---	---	---	---	---
SB-2	19.5	08-Oct-04	**890**	<0.50	<0.50	**15**	**1.0**	**4.1**	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25
SB-2	25.0	08-Oct-04	<4.5	<0.022	<0.022	<0.022	<0.022	**0.12**	**1.8**	<0.045	<0.022	<0.022	<0.022	<0.022	<0.45
SB-3	2.5	05-Oct-04	**950**	**5.0**	**51**	**20**	**110**	<0.50	<2.5	---	---	---	---	---	---
SB-3	5.0	05-Oct-04	**270**	**2.7**	**5.2**	**4.7**	**20**	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25
SB-3	10.0	08-Oct-04	**11**	**0.85**	**1.2**	**0.30**	**1.5**	<0.021	<0.043						
SB-3	15.5	08-Oct-04	**1.5**	**0.047**	**0.15**	**0.029**	**0.15**	<0.0050	**0.017**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1
SB-3	19.5	08-Oct-04	<1.0	<0.0050	**0.0083**	<0.0050	**0.012**	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1
SB-3	25.0	08-Oct-04	**4.5**	<0.021	**0.17**	**0.080**	**0.59**	<0.021	<0.042	---	---	---	---	---	---
SB-4	2.5	04-Oct-04	**350**	<0.50	<0.50	**3.3**	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25
SB-4	5.0	04-Oct-04	**1.3**	**0.19**	<0.0050	**0.50**	**0.0098**	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1
SB-4	10.0	08-Oct-04	**1.1**	**0.019**	<0.0050	**0.011**	**0.072**	<0.0050	**0.012**	---	---	---	---	---	---
SB-4	15.0	08-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	**0.012**	<0.0050	**0.016**	---	---	---	---	---	---
SB-4	19.5	08-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---
SB-4	25.0	08-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---
SB-5	2.5	04-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---
SB-5	5.0	04-Oct-04	**1.0**	**0.046**	<0.0050	**0.076**	**0.15**	**0.0070**	**0.011**	---	---	---	---	---	---
SB-5	9.5	08-Oct-04	**1.6**	**0.011**	<0.0050	<0.0050	**0.015**	**0.0081**	**0.029**	---	---	---	---	---	---
SB-5	15.0	08-Oct-04	**80**	**0.60**	<0.50	<0.50	<0.50	**0.92**	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25

Table 2. Soil Analytical Data, Shell-branded Service Station, 3790 Hopyard Road, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (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)
SB-5	19.5	08-Oct-04	**6.1**	**0.040**	**0.050**	<0.020	**0.072**	**0.034**	**0.32**	---	---	---	---	---	---
SB-7	2.5	05-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.019**	**0.019**	---	---	---	---	---	---
SB-7	5.0	05-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.079**	**0.031**	---	---	---	---	---	---
SB-7	10.0	07-Oct-04	**2.8**	<0.0050	<0.0050	<0.0050	**0.0053**	<0.0050	**0.17**	---	---	---	---	---	---
SB-7	15.0	07-Oct-04	**11**	<0.020	<0.020	<0.020	<0.020	**0.035**	**0.28**	---	---	---	---	---	---
SB-7	19.5	07-Oct-04	**15**	**0.022**	<0.013	**0.25**	**0.014**	**0.12**	<0.026	<0.026	<0.013	<0.013	<0.013	<0.013	<0.26
SB-7	25.0	07-Oct-04	**1.7**	<0.0050	<0.0050	**0.040**	**0.015**	**0.033**	**0.12**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	**0.13**
SB-8	5.0	08-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---
SB-8	10.0	08-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.070**	**0.10**	---	---	---	---	---	---
SB-9	2.5	05-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---
SB-9	5.0	05-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.023**	<0.010	---	---	---	---	---	---
SB-9	10.0	06-Oct-04	<4.7	<0.023	<0.023	<0.023	<0.023	<0.023	**3.3**	---	---	---	---	---	---
SB-9	15.5	07-Oct-04	**96**	<0.50	<0.50	<0.50	<0.50	<0.50	**14**	<1.0	<0.50	<0.50	<0.50	<0.50	<25
SB-9	21.0	07-Oct-04	<4.1	<0.020	<0.020	<0.020	<0.020	<0.020	**1.6**	<0.041	<0.020	<0.020	<0.020	<0.020	<0.41
SB-10	2.5	06-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.055**	**0.057**	---	---	---	---	---	---
SB-11	2.5	05-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.023**	**0.035**	---	---	---	---	---	---
SB-11	5.0	05-Oct-04	**220**	**0.51**	<0.50	**4.6**	<0.50	<0.50	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25
SB-11	10.0	07-Oct-04	<1.0	**0.055**	<0.0050	**0.020**	**0.0059**	**0.067**	**0.029**	---	---	---	---	---	---
SB-11	15.5	07-Oct-04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	**14**	---	---	---	---	---	---
SB-11	20.0	07-Oct-04	**2.6**	<0.0050	<0.0050	**0.0098**	**0.0054**	**0.038**	**0.48**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1
SB-11	25.0	07-Oct-04	**3.2**	**0.017**	<0.0050	**0.049**	<0.0050	**0.036**	**0.67**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1
SB-12	2.5	06-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---
SB-12	5.0	06-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.0068**	<0.010	---	---	---	---	---	---
SB-12	10.0	06-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	**0.0065**	**0.050**	**0.061**	---	---	---	---	---	---

Table 2. Soil Analytical Data, Shell-branded Service Station, 3790 Hopyard Road, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (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)
SB-12	15.0	06-Oct-04	<5.0	<0.025	<0.025	<0.025	<0.025	**0.026**	**8.6**	---	---	---	---	---	---
SB-12	20.0	06-Oct-04	**430**	<0.50	<0.50	**1.6**	<0.50	**0.63**	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25
SB-12	24.5	06-Oct-04	<4.7	<0.023	<0.023	<0.023	<0.023	**2.3**	<0.023	---	---	---	---	---	---
SB-12	26.0	06-Oct-04	**280**	<0.50	**0.71**	**1.3**	**2.7**	**0.51**	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25
SB-13	3.0	05-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.0058**	<0.010	---	---	---	---	---	---
SB-13	5.0	05-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---
SB-13	10.0	06-Oct-04	**3.6**	<0.0050	<0.0050	**0.0068**	**0.013**	<0.0050	**0.028**	---	---	---	---	---	---
SB-13	15.0	06-Oct-04	**2.7**	**0.0089**	<0.0050	<0.0050	**0.0087**	**0.076**	**0.047**	---	---	---	---	---	---
SB-13	20.0	06-Oct-04	<1.0	<0.0050	<0.0050	**0.0099**	<0.0050	**0.046**	**0.025**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1
SB-14	2.5	05-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---
SB-14	5.0	05-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.014**	**0.016**	---	---	---	---	---	---
SB-14	10.0	07-Oct-04	**1.9**	**0.043**	<0.0050	**0.024**	**0.013**	**0.0063**	**0.028**	---	---	---	---	---	---
SB-14	15.0	07-Oct-04	**8.2**	**0.041**	<0.020	**0.064**	**0.045**	**0.76**	**0.23**	---	---	---	---	---	---
SB-14	20.0	07-Oct-04	<50	<0.50	<0.50	**0.56**	<0.50	**0.80**	**3.0**	<1.0	<0.50	<0.50	<0.50	<0.50	<25
SB-14	25.0	07-Oct-04	**2.3**	<0.0050	<0.0050	**0.059**	**0.077**	**0.26**	**0.36**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1
SB-15	2.5	05-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**0.0074**	<0.010	---	---	---	---	---	---
SB-15	5.0	05-Oct-04	**5.9**	<0.0050	<0.0050	<0.0050	**0.029**	<0.0050	**0.069**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1
SB-15	15.0	07-Oct-04	**1.2**	**0.045**	<0.0050	<0.0050	<0.0050	**0.28**	**0.12**	---	---	---	---	---	---
SB-15	20.0	07-Oct-04	**470**	<0.50	<0.50	**9.5**	**3.8**	**1.2**	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25
SB-15	25.0	07-Oct-04	<3.1	**0.052**	<0.016	**0.56**	**0.18**	**0.78**	**3.4**	<0.031	<0.016	<0.016	<0.016	<0.016	<0.31
SB-16	2.5	06-Oct-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	---	---	---	---

Table 2. Soil Analytical Data, Shell-branded Service Station, 3790 Hopyard Road, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (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)

Abbreviations and Notes:

fbg = Feet below grade

mg/kg = Milligrams per kilogram (parts per million)

<x = Not detected at reporting limit x

--- = Not analyzed

All constituents were analyzed by EPA Method 8260:

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

TBA = Tert-butanol

DIPE = Di-isopropyl ether

ETBE = Ethyl tert butyl ether

TAME = Tert-amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

EDB = 1,2-dibromomethane

Attachment B

HISTORIC GROUNDWATER ANALYTICAL DATA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	11/06/1987	920	NA	230	<5	150	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-1	02/14/1988	3,500	NA	1,300	<40	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	11/06/1987	16,000	NA	870	100	2,700	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	02/14/1988	1,800	NA	440	<10	140	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	10/13/1988	550	NA	110	1	45	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	01/31/1989	620	NA	170	2	62	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	03/07/1989	1,900	NA	260	270	130	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	06/26/1989	320	NA	88	1	32	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	09/08/1989	230	NA	80	1	30	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	12/14/1989	160	NA	56	0.5	21	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	03/05/1990	710	NA	57	<0.5	<0.5	88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	06/14/1990	110	NA	39	0.5	11	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	10/02/1990	290	NA	84	1.7	160	8.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	12/18/1990	61	NA	18	1.4	2.2	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-2	03/20/1991	110	NA	30	2.2	10	7	NA	NA	NA	NA	NA	NA	NA	NA	329.21	NA	NA	NA	NA
S-2	06/26/1991	50a	NA	6.3	<0.5	3.3	1.3	NA	NA	NA	NA	NA	NA	NA	NA	329.21	NA	NA	NA	NA
S-2	09/05/1991	90	NA	12	3.2	2.5	2.3	NA	NA	NA	NA	NA	NA	NA	NA	329.21	NA	NA	NA	NA
S-2	12/13/1991	<50	NA	12	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	15.85	313.36	NA	NA
S-2	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.94	314.27	NA	NA
S-2	06/24/1992	<50	NA	0.9	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	15.78	313.43	NA	NA
S-2	09/17/1992	78	NA	2.6	1.3	1.3	0.9	NA	NA	NA	NA	NA	NA	NA	NA	329.21	15.03	314.18	NA	NA
S-2	12/11/1992	<50	NA	0.8	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.81	314.40	NA	NA
S-2	02/04/1993	55	NA	1.3	0.7	0.7	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	NA	NA	NA	NA
S-2	06/03/1993	<50	NA	0.7	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	NA	NA	NA	NA
S-2	09/15/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.63	314.58	NA	NA
S-2	12/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.70	314.51	NA	NA
S-2	06/16/1994	<50	NA	0.8	<0.5	0.7	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.94	314.27	NA	NA
S-2	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	15.17	314.04	NA	NA
S-2	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.21	14.25	314.96	NA	NA
S-2	06/12/1996	<50	NA	6.1	<0.5	<0.5	<0.5	48	NA	NA	NA	NA	NA	NA	NA	329.21	14.31	314.90	NA	NA
S-2	06/25/1997	120	NA	25	0.59	2.4	8.7	130	NA	NA	NA	NA	NA	NA	NA	329.21	14.40	314.81	NA	4.4

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-2	06/19/1998	450	NA	96	<2.5	4	19	180	NA	NA	NA	NA	NA	NA	NA	329.21	13.72	315.49	NA	2.8
S-2	06/17/1999	312	NA	74.4	2.04	1.02	<1.00	147	NA	NA	NA	NA	NA	NA	NA	329.21	13.97	315.24	NA	3.7
S-2	06/15/2000	1,050	NA	261	<5.00	7.54	11.4	13,500	9,850b	NA	NA	NA	NA	NA	NA	329.21	14.25	314.96	NA	3.3
S-2	11/29/2000	<250	NA	3.75	<2.50	<2.50	<2.50	12,400	10,700b	NA	NA	NA	NA	NA	NA	329.21	14.82	314.39	NA	2.2
S-2	03/07/2001	<500	NA	14.7	<5.00	<5.00	<5.00	8,610	NA	NA	NA	NA	NA	NA	NA	329.21	13.70	315.51	NA	2.3
S-2	06/18/2001	<2,000	NA	<20	<20	<20	<20	NA	7,100	NA	NA	NA	NA	NA	NA	329.21	14.56	314.65	NA	NA
S-2	09/17/2001	<2,000	NA	<10	<10	<10	<10	NA	7,500	<10	<10	<10	680	<500	NA	329.21	15.18	314.03	NA	NA
S-2	12/31/2001	<1,000	NA	<10	<10	<10	<10	NA	3,800	NA	NA	NA	NA	NA	NA	329.21	13.19	316.02	NA	NA
S-2	03/13/2002	<1,000	NA	65	<10	13	<10	NA	6,500	NA	NA	NA	NA	NA	NA	329.21	15.03	314.18	NA	NA
S-2	06/18/2002	520	NA	28	<5.0	<5.0	<5.0	NA	2,800	NA	NA	NA	NA	NA	NA	329.21	15.60	313.61	NA	NA
S-2	09/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,200	NA	NA	NA	NA	NA	NA	328.77	14.90	313.87	NA	NA
S-2	12/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,300	<10	<10	<10	5,600	NA	<10	328.77	14.40	314.37	NA	NA
S-2	03/24/2003	<2,500	NA	28	<25	<25	<50	NA	1,300	NA	NA	NA	NA	NA	NA	328.77	14.86	313.91	NA	NA
S-2	05/09/2003	<2,500	NA	36	<25	35	<50	NA	4,000	NA	NA	NA	6,200	NA	NA	328.77	13.45	315.32	NA	NA
S-2	07/08/2003	<2,000	NA	<20	<20	<20	<40	NA	3,200	NA	NA	NA	NA	NA	NA	328.77	20.10	308.67	NA	NA
S-2	10/15/2003	960 e	NA	6.9	<2.5	9.0	<5.0	NA	90	NA	NA	NA	2,400	NA	NA	328.77	16.67	312.10	NA	NA
S-2	01/06/2004	690	NA	8.3	<0.50	0.72	2.8	NA	82	NA	NA	NA	860	NA	NA	328.77	21.00	307.77	NA	NA
S-2	04/07/2004	980 e	NA	12	<2.5	<2.5	<5.0	NA	28	NA	NA	NA	2,500	NA	NA	328.77	16.62	312.15	NA	NA
S-2	07/27/2004	62	NA	1.5	<0.50	<0.50	<1.0	NA	16	<2.0	<2.0	<2.0	550	<50	NA	328.77	16.64	312.13	NA	NA
S-2	10/29/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	22	<10	<10	<10	1,800	<250	NA	328.77	16.43	312.34	NA	NA
S-2	**01/06/2005**	**<250**	**NA**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**21**	**<10**	**<10**	**<10**	**2,700**	**NA**	**NA**	**328.77**	**16.37**	**312.40**	**NA**	**NA**
S-3	02/14/1988	<50	NA	<0.5	<1	<4	<4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	10/13/1988	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	01/31/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	03/07/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	06/26/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	09/08/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	12/14/1989	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	03/05/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	06/14/1990	<500	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	10/02/1990	<50	NA	<0.5	<0.5	<0.5	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-3	12/18/1990	<50	NA	<0.5	1.6	<0.5	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	03/20/1991	70	NA	2.3	8.9	4	23	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.87	313.80	NA	NA
S-3	03/11/1992	<30	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.05	314.62	NA	NA
S-3	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.86	313.81	NA	NA
S-3	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.01	314.66	NA	NA
S-3	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.00	314.67	NA	NA
S-3	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.02	314.65	NA	NA
S-3	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA	NA
S-3	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.67	15.17	312.50	NA	NA
S-3	06/21/1995	50	NA	4.1	<0.5	20	1.2	NA	NA	NA	NA	NA	NA	NA	NA	327.67	12.49	315.18	NA	NA
S-3	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	327.67	12.53	315.14	NA	NA
S-3	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	327.67	12.64	315.03	NA	1.8
S-3	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	327.67	11.74	315.93	NA	4.1
S-3	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	327.67	12.35	315.32	NA	2.8
S-3	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	327.67	12.51	315.16	NA	3.2
S-3	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	327.67	12.84	314.83	NA	1.0
S-3	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	327.67	12.42	315.25	NA	2.8
S-3	06/18/2001	<50	NA	0.66	1.1	<0.50	0.51	NA	0.66	NA	NA	NA	NA	NA	NA	327.67	13.74	313.93	NA	NA
S-3	09/17/2001	<50	NA	0.73	0.96	<0.50	0.61	NA	<5.0	NA	NA	NA	NA	NA	NA	327.67	13.25	314.42	NA	NA
S-3	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	327.67	12.38	315.29	NA	NA
S-3	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	327.67	13.16	314.51	NA	NA
S-3	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	327.67	13.55	314.12	NA	NA
S-3	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	327.40	13.32	314.08	NA	NA
S-3	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	327.40	12.55	314.85	NA	NA
S-3	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	327.40	12.71	314.69	NA	NA
S-3	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.40	12.27	315.13	NA	NA
S-3	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.7	NA	NA	NA	<5.0	NA	NA	327.40	14.10	313.30	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-3	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.40	14.64	312.76	NA	NA
S-3	01/06/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.40	15.11	312.29	NA	NA
S-3	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.40	14.36	313.04	NA	NA
S-3	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<50	NA	327.40	14.21	313.19	NA	NA
S-3	10/29/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<50	NA	327.40	14.03	313.37	NA	NA
S-3	**01/06/2005**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**<2.0**	**<2.0**	**<2.0**	**<5.0**	**NA**	**NA**	**327.40**	**14.08**	**313.32**	**NA**	**NA**
S-4	02/14/1988	5,100	NA	160	8	730	730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	10/13/1988	530	NA	24	1	25	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	01/31/1989	1,100	NA	33	2	20	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	03/07/1989	650	NA	37	1	35	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	06/26/1989	670	NA	110	<1	85	71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	09/08/1989	380	NA	32	<1	36	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	12/14/1989	210	NA	21	<0.5	30	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	03/05/1990	350	NA	43	<0.5	24	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	06/14/1990	430	NA	74	<0.5	71	46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	10/02/1990	700	NA	74	2.2	100	55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	12/18/1990	1,400	NA	180	2.9	280	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	03/20/1991	1,200	NA	100	<2.0	210	130	NA	NA	NA	NA	NA	NA	NA	NA	328.53	NA	NA	NA	NA
S-4	06/26/1991	220	NA	14	<0.5	34	17	NA	NA	NA	NA	NA	NA	NA	NA	328.53	NA	NA	NA	NA
S-4	09/05/1991	580	NA	31	0.8	53	26	NA	NA	NA	NA	NA	NA	NA	NA	328.53	NA	NA	NA	NA
S-4	12/13/1991	370	NA	24	0.9	1.3	46	NA	NA	NA	NA	NA	NA	NA	NA	328.53	15.20	313.33	NA	NA
S-4	03/11/1992	1,600	NA	23	1.2	12	20	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.37	314.16	NA	NA
S-4	06/24/1992	480	NA	48	<1.0	95	22	NA	NA	NA	NA	NA	NA	NA	NA	328.53	15.30	313.23	NA	NA
S-4	09/17/1992	260	NA	35	1.2	51	7.8	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.17	314.36	NA	NA
S-4	12/11/1992	270	NA	34	0.8	28	4.5	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.18	314.35	NA	NA
S-4	02/04/1993	1,100	NA	12	<5.0	89	100	NA	NA	NA	NA	NA	NA	NA	NA	328.53	NA	NA	NA	NA
S-4	06/03/1993	210	NA	48	1.1	42	4	NA	NA	NA	NA	NA	NA	NA	NA	328.53	NA	NA	NA	NA
S-4	09/15/1993	700	NA	21	<1.0	110	91	NA	NA	NA	NA	NA	NA	NA	NA	328.53	13.86	314.67	NA	NA
S-4	12/09/1993	250	NA	39	<0.5	3.8	2.6	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.16	314.37	NA	NA
S-4	03/04/1994	150	NA	25	1.4	6.8	2.8	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.17	314.36	NA	NA
S-4 (D)	03/04/1994	140	NA	28	0.8	7.9	3.2	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.17	314.36	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-4	06/16/1994	90	NA	12	<0.5	1.8	2.4	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.14	314.39	NA	NA
S-4 (D)	06/16/1994	80	NA	5.9	<0.5	1.5	0.9	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.14	314.39	NA	NA
S-4	09/13/1994	<50	NA	23	<0.5	4.9	2.4	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.42	314.11	NA	NA
S-4 (D)	09/13/1994	<50	NA	23	<0.5	4	2.3	NA	NA	NA	NA	NA	NA	NA	NA	328.53	14.42	314.11	NA	NA
S-4	06/21/1995	270	NA	34	1.4	25	7.6	NA	NA	NA	NA	NA	NA	NA	NA	328.53	13.82	314.71	NA	NA
S-4 (D)	06/21/1995	280	NA	35	2.1	26	8.4	NA	NA	NA	NA	NA	NA	NA	NA	328.53	13.82	314.71	NA	NA
S-4	06/12/1996	360	NA	52	<0.5	<0.5	<0.5	92	NA	NA	NA	NA	NA	NA	NA	328.53	13.64	314.89	NA	NA
S-4 (D)	06/12/1996	430	NA	54	<1.2	72	21	96	NA	NA	NA	NA	NA	NA	NA	328.53	13.64	314.89	NA	NA
S-4	06/25/1997	6,700	NA	93	1,200	240	1,300	6,900	6,600	NA	NA	NA	NA	NA	NA	328.53	13.74	314.79	NA	0.6
S-4	06/19/1998	3,500	NA	56	15	140	670	2,100	NA	NA	NA	NA	NA	NA	NA	328.53	12.55	315.98	NA	0.8
S-4 (D)	06/19/1998	3,000	NA	51	14	110	530	2,000	NA	NA	NA	NA	NA	NA	NA	328.53	12.55	315.98	NA	0.8
S-4	06/17/1999	1,510	NA	28.4	9.84	176	132	1,780	NA	NA	NA	NA	NA	NA	NA	328.53	13.24	315.29	NA	4.8
S-4	06/15/2000	<500	NA	12.0	<5.00	31.0	22.8	12,200	NA	NA	NA	NA	NA	NA	NA	328.53	13.65	314.88	NA	2.1
S-4	11/29/2000	<500	NA	<5.00	<5.00	<5.00	<5.00	12,100	NA	NA	NA	NA	NA	NA	NA	328.53	14.23	314.30	NA	1.8
S-4	03/07/2001	<500	NA	5.44	<5.00	6.49	<5.00	11,400	14,500	NA	NA	NA	NA	NA	NA	328.53	13.15	315.38	NA	2.4
S-4	06/18/2001	<1,000	NA	<10	<10	<10	<10	NA	3,500	NA	NA	NA	NA	NA	NA	328.53	13.81	314.72	NA	NA
S-4	09/17/2001	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	7,700	NA	NA	NA	NA	NA	NA	328.53	14.29	314.24	NA	NA
S-4	12/31/2001	<1,000	NA	<10	<10	<10	<10	NA	3,800	NA	NA	NA	NA	NA	NA	328.53	13.44	315.09	NA	NA
S-4	03/13/2002	<2,500	NA	<25	<25	<25	<25	NA	18,000	NA	NA	NA	NA	NA	NA	328.53	14.42	314.11	NA	NA
S-4	06/18/2002	<100	NA	1.1	<1.0	<1.0	<1.0	NA	530	NA	NA	NA	NA	NA	NA	328.53	15.19	313.34	NA	NA
S-4	09/27/2002	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	1,100	NA	NA	NA	NA	NA	NA	328.11	14.32	313.79	NA	NA
S-4	12/27/2002	280	NA	3.5	<2.5	17	4.7	NA	390	<2.5	<2.5	<5.0	9,000	NA	<2.5	328.11	13.50	314.61	NA	NA
S-4	03/24/2003	<2,500	NA	<25	<25	<25	<50	NA	780	NA	NA	NA	NA	NA	NA	328.11	14.56	313.55	NA	NA
S-4	05/09/2003	<2,500	NA	<25	<25	<25	<50	NA	1,200	NA	NA	NA	18,000	NA	NA	328.11	13.20	314.91	NA	NA
S-4	07/08/2003	<2,500	NA	<25	<25	<25	<50	NA	1,700	NA	NA	NA	8,700	NA	NA	328.11	20.87	307.24	NA	NA
S-4	10/15/2003	<2,500	NA	<25	<25	<25	<50	NA	280	NA	NA	NA	11,000	NA	NA	328.11	16.15	311.96	NA	NA
S-4	01/06/2004	3,500	NA	<5.0	19	190	570	NA	58	NA	NA	NA	9,600	NA	NA	328.11	21.64	306.47	NA	NA
S-4	04/07/2004	<1,000	NA	<10	<10	<10	<20	NA	110	NA	NA	NA	9,900	NA	NA	328.11	20.89	307.22	NA	NA
S-4	07/27/2004	<1,000	NA	<10	<10	<10	<20	NA	<10	<40	<40	<40	10,000	<1,000	NA	328.11	20.78	307.33	NA	NA
S-4	10/29/2004	<1,000	NA	<10	<10	<10	<20	NA	110	<40	<40	<40	5,600	<1,000	NA	328.11	20.53	307.58	NA	NA
S-4	**01/06/2005**	**<1,000**	**NA**	**<10**	**<10**	**<10**	**<20**	**NA**	**<10**	**<40**	**<40**	**<40**	**6,500**	**NA**	**NA**	**328.11**	**20.44**	**307.67**	**NA**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-5	02/14/1988	1,000	NA	40	86	180	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	10/13/1988	560	NA	66	20	18	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	01/31/1989	180	NA	27	8	9	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	03/07/1989	3,800	NA	520	530	260	570	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	06/26/1989	<50	NA	3.8	<1	2	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	09/08/1989	110	NA	25	2	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	12/14/1989	1,700	NA	300	86	67	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	03/05/1990	1,100	NA	100	110	79	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	06/14/1990	600	NA	94	36	40	62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	10/02/1990	4,500	NA	1,400	160	260	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	11/20/1990	16,000	NA	4,600	720	790	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	12/18/1990	25,000	NA	7,600	1,100	1,300	2,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-5	03/20/1991	310	NA	39	12	18	30	NA	NA	NA	NA	NA	NA	NA	NA	329.66	NA	NA	NA	NA
S-5	06/26/1991	1,300	NA	250	62	120	180	NA	NA	NA	NA	NA	NA	NA	NA	329.66	NA	NA	NA	NA
S-5	09/05/1991	4,700	NA	660	150	170	280	NA	NA	NA	NA	NA	NA	NA	NA	329.66	NA	NA	NA	NA
S-5	12/13/1991	1,400	NA	580	19	110	80	NA	NA	NA	NA	NA	NA	NA	NA	329.66	17.48	312.18	NA	NA
S-5	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.22	313.44	NA	NA
S-5	06/24/1992	1,800	NA	380	52	120	180	NA	NA	NA	NA	NA	NA	NA	NA	329.66	17.47	312.19	NA	NA
S-5	09/17/1992	2,200	NA	750	91	170	170	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.84	312.82	NA	NA
S-5	12/11/1992	8,700	NA	1,600	66	48	340	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.37	313.29	NA	NA
S-5	02/04/1993	150	NA	156	0.7	4.7	4	NA	NA	NA	NA	NA	NA	NA	NA	329.66	NA	NA	NA	NA
S-5	06/03/1993	480	NA	140	3.4	17	14	NA	NA	NA	NA	NA	NA	NA	NA	329.66	NA	NA	NA	NA
S-5	09/15/1993	80	NA	2.4	0.5	1.4	2.9	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.20	313.46	NA	NA
S-5	12/09/1993	120	NA	0.56	<0.5	2.2	1.2	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.26	313.40	NA	NA
S-5	03/04/1994	70	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.25	313.41	NA	NA
S-5	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.66	16.04	313.62	NA	NA
S-5	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.66	11.52	318.14	NA	NA
S-5	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	329.66	14.50	315.16	NA	NA
S-5	06/12/1996	<500	NA	6	<5.0	<5.0	<5.0	1,400	NA	NA	NA	NA	NA	NA	NA	329.66	12.53	317.13	NA	NA
S-5	06/25/1997	<250	NA	<2.5	<2.5	<2.5	<2.5	1,100	NA	NA	NA	NA	NA	NA	NA	329.66	15.34	314.32	NA	1.1
S-5	06/19/1998	<50	NA	1	<0.50	<0.50	<0.50	61	NA	NA	NA	NA	NA	NA	NA	329.66	13.71	315.95	NA	3.6
S-5	06/17/1999	<50.0	NA	1.44	<0.500	<0.500	<0.500	336	NA	NA	NA	NA	NA	NA	NA	329.66	13.56	316.10	NA	1.4

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-5	06/15/2000	<50.0	NA	0.820	<0.500	<0.500	<0.500	221	NA	NA	NA	NA	NA	NA	NA	329.66	15.00	314.66	NA	2.7
S-5	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	183	NA	NA	NA	NA	NA	NA	NA	329.66	16.29	313.37	NA	0.7
S-5	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.55	NA	NA	NA	NA	NA	NA	NA	329.66	15.49	314.17	NA	2.5
S-5	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	11	NA	NA	NA	NA	NA	NA	329.66	15.50	314.16	NA	NA
S-5	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	17	NA	NA	NA	NA	NA	NA	329.66	16.35	313.31	NA	NA
S-5	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	329.66	12.80	316.86	NA	NA
S-5	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	93	NA	NA	NA	NA	NA	NA	329.66	16.32	313.34	NA	NA
S-5	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	NA	NA	NA	NA	NA	NA	329.66	17.00	312.66	NA	NA
S-5	09/27/2002	<50	NA	0.88	<0.50	<0.50	<0.50	NA	280	NA	NA	NA	NA	NA	NA	329.36	16.34	313.02	NA	NA
S-5	12/27/2002	<50	NA	1.9	<0.50	<0.50	<0.50	NA	87	<2.0	<2.0	<2.0	<50	NA	<2.0	329.36	15.45	313.91	NA	NA
S-5	03/24/2003	<250	NA	2.5	<2.5	<2.5	<5.0	NA	220	NA	NA	NA	NA	NA	NA	329.36	16.70	312.66	NA	NA
S-5	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	110	NA	NA	NA	17	NA	NA	329.36	13.16	316.20	NA	NA
S-5	07/08/2003	<1,000	NA	<10	<10	<10	<20	NA	320	NA	NA	NA	<100	NA	NA	329.36	19.00	310.36	NA	NA
S-5	10/15/2003	1,400 e	NA	27	<2.5	<2.5	<5.0	NA	180	NA	NA	NA	51	NA	NA	329.36	19.08	310.28	NA	NA
S-5	01/06/2004	84,000	NA	1,400	1,200	<25	17,000	NA	140	NA	NA	NA	<250	NA	NA	329.36	20.97	308.39	NA	NA
S-5	04/07/2004	20,000	NA	70	<25	230	290	NA	66	NA	NA	NA	<250	NA	NA	329.36	20.81	308.55	NA	NA
S-5	07/27/2004	9,900	NA	46	<25	74	<50	NA	43	<100	<100	<100	<250	<2,500	NA	329.36	20.93	308.46	0.04	NA
S-5	08/04/2004	22,000	NA	48	<10	63	38	NA	NA	NA	NA	NA	NA	NA	NA	329.36	20.97	308.46	0.09	NA
S-5	10/29/2004	14,000	NA	93	<25	96	94	NA	<25	<100	<100	<100	<250	<2,500	NA	329.36	18.59	310.77	NA	NA
S-5	**01/06/2005**	**4,500**	**NA**	**32**	**<10**	**47**	**86**	**NA**	**<10**	**<40**	**<40**	**<40**	**<100**	**NA**	**NA**	**329.36**	**18.83**	**310.53**	**NA**	**NA**
S-6	10/13/1988	1100	NA	13.0	1	42	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	01/31/1989	340	NA	3.8	<1	8	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	03/07/1989	190	NA	3.8	<1	7	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	06/26/1989	480	NA	15	<1	6	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	09/08/1989	270	NA	1.3	1	7	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	12/15/1989	320	NA	1.0	<0.5	2.6	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	03/06/1990	420	NA	3.1	<0.5	14	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	06/14/1990	370	NA	3.7	0.9	4.8	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	10/02/1990	190	NA	6.6	1.6	1.9	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	12/18/1990	430	NA	10	0.7	1.6	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	03/20/1991	130a	NA	606	0.6	0.7	3	NA	NA	NA	NA	NA	NA	NA	NA	327.62	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-6	06/26/1991	120a	NA	3.8	0.8	<0.5	1.7	NA	NA	NA	NA	NA	NA	NA	NA	327.62	NA	NA	NA	NA
S-6	09/05/1991	60	NA	<0.5	0.8	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	NA	NA	NA	NA
S-6	12/13/1991	150	NA	2.3	<0.5	<0.5	150	NA	NA	NA	NA	NA	NA	NA	NA	327.62	15.11	312.51	NA	NA
S-6	03/11/1992	<30	NA	<0.3	<0.3	<0.5	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	327.62	16.35	311.27	NA	NA
S-6	06/24/1992	170	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	16.51	311.11	NA	NA
S-6	09/17/1992	190	NA	<0.5	1.6	<0.5	1.2	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.33	313.29	NA	NA
S-6	12/11/1992	180	NA	<0.5	0.8	<0.5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.48	313.14	NA	NA
S-6	02/04/1993	290	NA	<0.5	<0.5	<0.5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	327.62	NA	NA	NA	NA
S-6	06/03/1993	100	NA	1.2	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	NA	NA	NA	NA
S-6	09/15/1993	160	NA	1.4	<0.5	0.9	2	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.16	313.46	NA	NA
S-6	12/09/1993	130	NA	2.3	2.6	5.1	6.2	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.68	312.94	NA	NA
S-6	03/04/1994	220	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.42	313.20	NA	NA
S-6	06/16/1994	60	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.92	312.70	NA	NA
S-6	09/13/1994	<50	NA	<0.5	6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	14.72	312.90	NA	NA
S-6	06/21/1995	270	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.62	13.86	313.76	NA	NA
S-6	06/12/1996	200	NA	2	<0.5	<0.5	<0.5	12	NA	NA	NA	NA	NA	NA	NA	327.62	13.90	313.72	NA	NA
S-6	06/25/1997	180	NA	<0.50	0.61	<0.50	0.77	28	NA	NA	NA	NA	NA	NA	NA	327.62	13.64	313.98	NA	1.8
S-6 (D)	06/25/1997	130	NA	<0.50	<0.50	<0.50	<0.50	21	NA	NA	NA	NA	NA	NA	NA	327.62	13.64	313.98	NA	1.8
S-6	06/19/1998	100	NA	7.6	<0.50	<0.50	<0.50	27	NA	NA	NA	NA	NA	NA	NA	327.62	13.81	313.81	NA	1.7
S-6	06/17/1999	114	NA	4.14	<0.500	<0.500	<0.500	19.9	NA	NA	NA	NA	NA	NA	NA	327.62	14.21	313.41	NA	1.6
S-6	06/15/2000	367	NA	17.5	<0.500	<0.500	<0.500	1,050	NA	NA	NA	NA	NA	NA	NA	327.62	14.51	313.11	NA	1.8
S-6	11/29/2000	154	NA	0.754	16.4	<0.500	1.05	5,470	NA	NA	NA	NA	NA	NA	NA	327.62	14.32	313.30	NA	2.1
S-6	03/07/2001	183	NA	0.971	25.1	0.636	0.996	6,830	NA	NA	NA	NA	NA	NA	NA	327.62	15.39	312.23	NA	1.7
S-6	06/18/2001	<2,000	NA	<20	<20	<20	<20	NA	8,200	NA	NA	NA	NA	NA	NA	327.62	14.72	312.90	NA	NA
S-6	09/17/2001 c	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.7	<2.0	<2.0	<2.0	<50	<500	NA	327.62	16.69	310.93	NA	NA
S-6	12/31/2001	260	NA	<0.50	<0.50	<0.50	<0.50	NA	11,000	NA	NA	NA	NA	NA	NA	327.62	13.99	313.63	NA	NA
S-6	03/13/2002	440	NA	<2.5	<2.5	<2.5	<2.5	NA	930	NA	NA	NA	NA	NA	NA	327.62	15.10	312.52	NA	NA
S-6	06/18/2002	340	NA	<1.0	<1.0	<1.0	<1.0	NA	560	NA	NA	NA	NA	NA	NA	327.62	15.24	312.38	NA	NA
S-6	09/27/2002	<250	NA	<2.5	<2.5	<2.5	<2.5	NA	580	NA	NA	NA	NA	NA	NA	327.26	14.34	312.92	NA	NA
S-6	12/27/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	230	<5.0	<5.0	<5.0	10,000	NA	<5.0	327.26	14.30	312.96	NA	NA
S-6	03/24/2003	<5,000	NA	<50	<50	<50	<100	NA	<500	NA	NA	NA	NA	NA	NA	327.26	14.37	312.89	NA	NA
S-6	05/09/2003	<2,500	NA	<25	<25	<25	<50	NA	140	NA	NA	NA	12,000	NA	NA	327.26	14.25	313.01	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-6	07/08/2003	<2,500	NA	<25	<25	<25	<50	NA	100	NA	NA	NA	8,400	NA	NA	327.26	15.37	311.89	NA	NA
S-6	10/15/2003	<1,000	NA	<10	<10	<10	<20	NA	63	NA	NA	NA	10,000	NA	NA	327.26	17.69	309.57	NA	NA
S-6	01/06/2004	<500	NA	<5.0	<5.0	<5.0	<10	NA	27	NA	NA	NA	7,600	NA	NA	327.26	17.19	310.07	NA	NA
S-6	04/07/2004	<500	NA	<5.0	<5.0	<5.0	<10	NA	15	NA	NA	NA	2,900	NA	NA	327.26	16.72	310.54	NA	NA
S-6	07/27/2004	860 e	NA	<5.0	<5.0	<5.0	<10	NA	30	<20	<20	<20	5,700	<500	NA	327.26	16.90	310.36	NA	NA
S-6	10/29/2004	<500	NA	<5.0	<5.0	<5.0	<10	NA	14	<20	<20	<20	2,500	<500	NA	327.26	16.68	310.58	NA	NA
S-6	**01/06/2005**	**<200**	**NA**	**<2.0**	**<2.0**	**<2.0**	**<4.0**	**NA**	**8.7**	**<8.0**	**<8.0**	**<8.0**	**1,200**	**NA**	**NA**	**327.26**	**16.75**	**310.51**	**NA**	**NA**
S-7	10/13/1988	<50	NA	0.6	1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	01/31/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	03/07/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	06/26/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	09/08/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	12/15/1989	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	03/06/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	06/14/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	10/02/1990	<50	NA	<0.5	0.6	<0.5	0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	12/18/1990	<50	NA	0.5	<0.5	<0.5	0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	09/05/1991	<50	NA	<0.5	0.6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	12/13/1991	<50	NA	<0.6	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	17.70	310.97	NA	NA
S-7	03/11/1992	<50	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	328.67	17.06	311.61	NA	NA
S-7	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	17.80	310.87	NA	NA
S-7	09/17/1992	<50	NA	0.6	0.6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	17.00	311.67	NA	NA
S-7	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	17.35	311.32	NA	NA
S-7	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.67	16.65	312.02	NA	NA
S-7	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA	NA
S-7	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.67	16.83	311.84	NA	NA
S-7	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.67	15.88	312.79	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-7	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	328.67	16.22	312.45	NA	NA
S-7	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	328.67	16.12	312.55	NA	3
S-7	06/19/1998	<50	NA	<0.50	<.050	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	328.67	14.81	313.86	NA	2.6
S-7	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	328.67	15.91	312.76	NA	5.1
S-7	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.32	NA	NA	NA	NA	NA	NA	NA	328.67	16.14	312.53	NA	2.0
S-7	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	328.67	16.89	311.78	NA	3.6
S-7	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	328.67	16.55	312.12	NA	2.1
S-7	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	2.5	NA	NA	NA	NA	NA	NA	328.67	16.30	312.37	NA	NA
S-7	09/17/2001 c	150	NA	<0.50	55	<0.50	<0.50	NA	8,300	NA	NA	NA	NA	NA	NA	328.67	14.23	314.44	NA	NA
S-7	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	328.67	16.28	312.39	NA	NA
S-7	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.9	NA	NA	NA	NA	NA	NA	328.67	17.41	311.26	NA	NA
S-7	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	12	NA	NA	NA	NA	NA	NA	328.67	17.63	311.04	NA	NA
S-7	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	10	NA	NA	NA	NA	NA	NA	328.41	16.96	311.45	NA	NA
S-7	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	22	<2.0	<2.0	<2.0	<50	NA	4.1	328.41	16.00	312.41	NA	NA
S-7	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	21	NA	NA	NA	NA	NA	NA	328.41	17.12	311.29	NA	NA
S-7	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	31	NA	NA	NA	7.3	NA	NA	328.41	16.14	312.27	NA	NA
S-7	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	36	NA	NA	NA	6.5	NA	NA	328.41	17.42	310.99	NA	NA
S-7	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	100	NA	NA	NA	<5.0	NA	NA	328.41	15.49	312.92	NA	NA
S-7	01/06/2004	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	200	NA	NA	NA	20	NA	NA	328.41	18.93	309.48	NA	NA
S-7	04/07/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	380	NA	NA	NA	130	NA	NA	328.41	18.93	309.48	NA	NA
S-7	07/27/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	240	<10	<10	<10	45	<250	NA	328.41	18.91	309.50	NA	NA
S-7	10/29/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	270	<10	<10	<10	52	<250	NA	328.41	18.65	309.76	NA	NA
S-7	**01/06/2005**	**<250**	**NA**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**160**	**<10**	**<10**	**<10**	**<25**	**NA**	**NA**	**328.41**	**18.52**	**309.89**	**NA**	**NA**

S-8	03/07/1989	<50	NA	1.2	1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	06/26/1989	<50	NA	0.8	1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	09/08/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	12/14/1989	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	03/05/1990	<50	NA	<0.5	0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	06/14/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	10/02/1990	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-8	12/18/1990	<50	NA	2.9	7.0	1.0	6.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-8	03/20/1991	<50a	NA	0.8	1.8	2.6	5.2	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.73	311.27	NA	NA
S-8	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.64	312.36	NA	NA
S-8	06/24/1992	<50	NA	1.4	1.9	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.77	311.23	NA	NA
S-8	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.37	311.63	NA	NA
S-8	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.94	312.06	NA	NA
S-8	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.91	312.09	NA	NA
S-8	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.16	313.08	NA	NA
S-8	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.11	312.89	NA	NA
S-8	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	327.00	14.20	312.80	NA	NA
S-8	06/25/1997	170	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	327.00	14.42	312.58	NA	0.5
S-8	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	327.00	13.49	313.51	NA	2.2
S-8	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	327.00	14.07	312.93	NA	0.9
S-8	06/15/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	06/21/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	21.0	NA	NA	NA	NA	NA	NA	NA	327.00	14.43	312.57	NA	NA
S-8	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	9.46	NA	NA	NA	NA	NA	NA	NA	327.00	14.44	312.56	NA	2.2
S-8	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	4.21	NA	NA	NA	NA	NA	NA	NA	327.00	13.69	313.31	NA	2.1
S-8	06/18/2001	<50	NA	0.55	0.92	<0.50	0.51	NA	13	NA	NA	NA	NA	NA	NA	327.00	14.60	312.40	NA	NA
S-8	09/17/2001	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.07	311.93	NA	NA
S-8	09/18/2001	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA	NA
S-8	12/31/2001	<50	NA	1.1	1.4	<0.50	<0.50	NA	8.4	NA	NA	NA	NA	NA	NA	327.00	14.02	312.98	NA	NA
S-8	03/13/2002	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.92	312.08	NA	NA
S-8	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	NA	NA	327.00	15.37	311.63	NA	NA
S-8	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	NA	NA	326.14	14.60	311.54	NA	NA
S-8	12/27/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.14	NA	NA	NA	NA
S-8	01/07/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.14	NA	NA	NA	NA
S-8	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	25	NA	NA	NA	NA	NA	NA	326.14	14.58	311.56	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-8	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	<5.0	NA	NA	326.14	13.45	312.69	NA	NA
S-8	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	46	NA	NA	NA	<5.0	NA	NA	326.14	15.19	310.95	NA	NA
S-8	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	42	NA	NA	NA	<5.0	NA	NA	326.14	16.58	309.56	NA	NA
S-8	01/06/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	50	NA	NA	NA	<5.0	NA	NA	326.14	16.27	309.87	NA	NA
S-8	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	33	NA	NA	NA	<5.0	NA	NA	326.14	16.12	310.02	NA	NA
S-8	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	18	<2.0	<2.0	<2.0	<5.0	<50	NA	326.14	16.26	309.88	NA	NA
S-8	10/29/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	25	<2.0	<2.0	<2.0	<5.0	<50	NA	326.14	15.93	310.21	NA	NA
S-8	**01/06/2005**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**21**	**<2.0**	**<2.0**	**<2.0**	**<5.0**	**NA**	**NA**	**326.14**	**15.79**	**310.35**	**NA**	**NA**
S-9	03/07/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	06/26/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	09/08/1989	<50	NA	1.7	2	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	12/15/1989	<50	NA	0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	03/06/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	06/14/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	10/02/1990	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	12/18/1990	<50	NA	20	27	7.1	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	03/07/1989	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	06/26/1989	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	09/08/1989	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	12/15/1989	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	03/06/1990	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	06/14/1990	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	12/02/1990	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	12/18/1990	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-9	03/20/1991	70a	NA	0.7	0.7	<0.5	1	NA	NA	NA	NA	NA	NA	NA	NA	328.24	NA	NA	NA	NA
S-9	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	NA	NA	NA	NA
S-9	09/05/1991	<50	NA	<0.5	0.8	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	NA	NA	NA	NA
S-9	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	18.18	310.06	NA	NA
S-9	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.37	310.87	NA	NA
S-9	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	18.45	309.79	NA	NA
S-9	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.88	310.36	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-9	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.34	310.90	NA	NA
S-9	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	NA	NA	NA	NA
S-9	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	NA	NA	NA	NA
S-9	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.42	310.82	NA	NA
S-9	12/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	16.89	311.35	NA	NA
S-9	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.22	311.02	NA	NA
S-9	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.46	310.78	NA	NA
S-9	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.59	310.65	NA	NA
S-9	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.03	311.21	NA	NA
S-9	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	328.24	16.76	311.48	NA	NA
S-9	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.8	NA	NA	NA	NA	NA	NA	NA	328.24	16.89	311.35	NA	1
S-9	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	7.1	NA	NA	NA	NA	NA	NA	NA	328.24	15.59	312.65	NA	3.8
S-9	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	15.3	NA	NA	NA	NA	NA	NA	NA	328.24	16.47	311.77	NA	1.9
S-9	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	57.2	NA	NA	NA	NA	NA	NA	NA	328.24	16.11	312.13	NA	1.1
S-9	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	76.5	NA	NA	NA	NA	NA	NA	NA	328.24	17.30	310.94	NA	1.1
S-9	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	84.9	NA	NA	NA	NA	NA	NA	NA	328.24	19.42	308.82	NA	1.1
S-9	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	86	NA	NA	NA	NA	NA	NA	328.24	17.22	311.02	NA	NA
S-9	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	NA	NA	NA	NA	NA	NA	328.24	17.66	310.58	NA	NA
S-9	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	120	NA	NA	NA	NA	NA	NA	328.24	17.65	310.59	NA	NA
S-9	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	NA	NA	NA	NA	NA	NA	328.24	17.75	310.49	NA	NA
S-9	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	160	NA	NA	NA	NA	NA	NA	328.24	19.59	308.65	NA	NA
S-9	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	180	NA	NA	NA	NA	NA	NA	327.85	17.65	310.20	NA	NA
S-9	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	180	<2.0	<2.0	<2.0	<50	NA	2.8	327.85	18.45	309.40	NA	NA
S-9	03/24/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	230	NA	NA	NA	NA	NA	NA	327.85	17.97	309.88	NA	NA
S-9	05/09/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	240	NA	NA	NA	<25	NA	NA	327.85	17.68	310.17	NA	NA
S-9	07/08/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	250	NA	NA	NA	<25	NA	NA	327.85	17.65	310.20	NA	NA
S-9	10/15/2003	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	210	NA	NA	NA	<10	NA	NA	327.85	19.49	308.36	NA	NA
S-9	01/06/2004	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	290	NA	NA	NA	<10	NA	NA	327.85	20.51	307.34	NA	NA
S-9	04/07/2004	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	250	NA	NA	NA	<10	NA	NA	327.85	20.02	307.83	NA	NA
S-9	07/27/2004	<250	NA	<2.5	9.1	2.7	9.8	NA	270	<10	<10	<10	<25	<250	NA	327.85	19.89	307.96	NA	NA
S-9	10/29/2004	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	240	<4.0	<4.0	<4.0	<10	<100	NA	327.85	19.17	308.68	NA	NA
S-9	**01/06/2005**	**<250**	**NA**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**340**	**<10**	**<10**	**<10**	**<25**	**NA**	**NA**	**327.85**	**19.65**	**308.20**	**NA**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-10	08/11/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	09/08/1989	<50	NA	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	12/15/1989	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	03/06/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	06/14/1990	<50	NA	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	10/02/1990	<50	NA	<0.5	<0.5	<0.5	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	12/18/1990	<50	NA	<0.5	<0.5	<0.5	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	06/26/1991	50	NA	1.8	5.8	1.9	13	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	14.77	311.78	NA	NA
S-10	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	326.55	14.16	312.39	NA	NA
S-10	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	14.83	311.72	NA	NA
S-10	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.85	312.70	NA	NA
S-10	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.90	312.65	NA	NA
S-10	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.66	312.89	NA	NA
S-10	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA	NA
S-10	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.84	312.71	NA	NA
S-10	06/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.08	313.47	NA	NA
S-10	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	326.55	13.34	313.21	NA	NA
S-10	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.8	NA	NA	NA	NA	NA	NA	NA	326.55	13.28	313.27	NA	2.4
S-10	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	326.55	12.41	314.14	NA	1.8
S-10	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	326.55	12.81	313.74	NA	2.0
S-10	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	326.55	13.27	313.28	NA	2.1
S-10	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	326.55	13.98	312.57	NA	2.4
S-10	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	326.55	13.40	313.15	NA	2.5
S-10	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	3.7	NA	NA	NA	NA	NA	NA	326.55	13.29	313.26	NA	NA
S-10	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	326.55	13.61	312.94	NA	NA
S-10	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	326.55	13.48	313.07	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-10	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	326.55	14.66	311.89	NA	NA
S-10	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	326.55	14.59	311.96	NA	NA
S-10	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	325.87	13.21	312.66	NA	NA
S-10	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	325.87	13.50	312.37	NA	NA
S-10	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	325.87	16.60	309.27	NA	NA
S-10	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.7	NA	NA	NA	<5.0	NA	NA	325.87	13.07	312.80	NA	NA
S-10	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.7	NA	NA	NA	<5.0	NA	NA	325.87	14.10	311.77	NA	NA
S-10	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.69	NA	NA	NA	<5.0	NA	NA	325.87	14.75	311.12	NA	NA
S-10	01/06/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.51	NA	NA	NA	<5.0	NA	NA	325.87	15.28	310.59	NA	NA
S-10	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	325.87	15.39	310.48	NA	NA
S-10	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<50	NA	325.87	15.25	310.62	NA	NA
S-10	10/29/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<50	NA	325.87	15.23	310.64	NA	NA
S-10	**01/06/2005**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**<2.0**	**<2.0**	**<2.0**	**<5.0**	**NA**	**NA**	**325.87**	**15.47**	**310.40**	**NA**	**NA**
S-11	09/23/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.93	NA	NA	NA
S-11	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	16.95	NA	NA	NA
S-11	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	327.48	16.40	311.08	NA	NA
S-11	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	327.48	17.25	310.23	NA	NA
S-11	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.54	NA	NA	NA	<5.0	NA	NA	327.48	16.37	311.11	NA	NA
S-11	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.48	17.17	310.31	NA	NA
S-11	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	327.48	18.01	309.47	NA	NA
S-11	01/06/2004	<50	NA	<0.50	1.4	<0.50	<1.0	NA	1.1	NA	NA	NA	<5.0	NA	NA	327.48	18.25	309.23	NA	NA
S-11	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.4	NA	NA	NA	<5.0	NA	NA	327.48	18.48	309.00	NA	NA
S-11	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	2.3	<2.0	<2.0	<2.0	<5.0	<50	NA	327.48	18.49	308.99	NA	NA
S-11	10/29/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	9.7	<2.0	<2.0	<2.0	<5.0	<50	NA	327.48	18.22	309.26	NA	NA
S-11	**01/06/2005**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**15**	**<2.0**	**<2.0**	**<2.0**	**<5.0**	**NA**	**NA**	**327.48**	**18.07**	**309.41**	**NA**	**NA**
S-12	09/23/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.74	NA	NA	NA
S-12	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	17.95	NA	NA	NA
S-12	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	<2.0	<2.0	<2.0	<50	NA	<2.0	322.76	16.92	305.84	NA	NA
S-12	03/24/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	322.76	16.53	306.23	NA	NA
S-12	05/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.5	NA	NA	NA	<5.0	NA	NA	322.76	17.73	305.03	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-12	07/08/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.2	NA	NA	NA	<5.0	NA	NA	322.76	17.18	305.58	NA	NA
S-12	10/15/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.1	NA	NA	NA	<5.0	NA	NA	322.76	17.54	305.22	NA	NA
S-12	01/06/2004	<50	NA	<0.50	1.1	<0.50	<1.0	NA	1.1	NA	NA	NA	<5.0	NA	NA	322.76	17.45	305.31	NA	NA
S-12	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.76	NA	NA	NA	<5.0	NA	NA	322.76	16.85	305.91	NA	NA
S-12	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.65	<2.0	<2.0	<2.0	<5.0	<50	NA	322.76	17.89	304.87	NA	NA
S-12	10/29/2004	<50 f	NA	<0.50	<0.50	<0.50	<1.0	NA	1.3	<2.0	<2.0	<2.0	<5.0	<50	NA	322.76	17.84	304.92	NA	NA
S-12	**01/06/2005**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**322.76**	**NA**	**NA**	**NA**	**NA**
SR-1	10/11/1989	200	NA	100	<1	<10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	12/14/1989	500	NA	210	<0.5	16	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	03/05/1990	64	NA	20	<0.5	1.5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	06/14/1990	60	NA	17	<0.5	1.9	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	10/02/1990	<50	NA	5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	12/18/1990	<50	NA	28	5.5	4.5	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.78	16.34	313.44	NA	NA
SR-1	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.78	16.72	313.06	NA	NA
SR-1	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.78	15.31	314.47	NA	NA
SR-1	03/11/2002 d	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.13	NA	NA	NA	NA
SR-1	09/22/2003 d	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.33	NA	NA	NA	NA
SR-1	04/07/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.33	30.79	297.54	NA	NA
SR-1	07/27/2004	<500	NA	<5.0	<5.0	<5.0	11	NA	44	<20	<20	<20	3,000	<500	NA	328.33	30.72	297.61	NA	NA
SR-1	08/04/2004	62	NA	<0.50	<0.50	2.6	13	NA	NA	NA	NA	NA	NA	NA	NA	328.33	30.77	297.56	NA	NA
SR-1	10/29/2004	<500	NA	<5.0	<5.0	<5.0	<10	NA	11	<20	<20	<20	1,400	<500	NA	328.33	30.85	297.48	NA	NA
SR-1	**01/06/2005**	**<250**	**NA**	**<2.5**	**<2.5**	**6.8**	**31**	**NA**	**20**	**<10**	**<10**	**<10**	**2,800**	**NA**	**NA**	**328.33**	**30.92**	**297.41**	**NA**	**NA**
SR-2	10/11/1989	880	NA	<10	1.0	29	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	12/14/1989	1100	NA	17	<0.5	100	67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	03/05/1990	140	NA	3.0	<0.5	12	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	06/14/1990	<50	NA	<0.5	<0.5	2.6	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	10/02/1990	<50	NA	<0.5	<0.5	0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	12/18/1990	<50	NA	1.6	1.4	1.6	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-2	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.35	14.39	313.96	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
SR-2	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.35	14.48	313.87	NA	NA
SR-2	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	328.35	13.62	314.73	NA	NA
SR-2	09/27/2002	<1,000	NA	<10	<10	<10	<10	NA	5,000	NA	NA	NA	NA	NA	NA	327.91	14.20	313.71	NA	NA
SR-2	12/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,800	<10	<10	<10	1,600	NA	<10	327.91	13.33	314.58	<10	NA
SR-2	03/24/2003	<5,000	NA	<50	<50	<50	<100	NA	10,000	NA	NA	NA	NA	NA	NA	327.91	13.75	314.16	NA	NA
SR-2	05/09/2003	<5,000	NA	<50	<50	80	290	NA	13,000	NA	NA	NA	6,100	NA	NA	327.91	13.40	314.51	NA	NA
SR-2	07/08/2003	<5,000	NA	<50	<50	<50	<100	NA	12,000	NA	NA	NA	4,800	NA	NA	327.31	30.48	296.83	NA	NA
SR-2	10/15/2003	<500	NA	<5.0	<5.0	<5.0	20	NA	1,200	NA	NA	NA	9,800	NA	NA	327.31	15.38	311.93	NA	NA
SR-2	01/06/2004	<1,300	NA	<13	<13	<13	<25	NA	500	NA	NA	NA	17,000	NA	NA	327.31	31.47	295.84	NA	NA
SR-2	04/07/2004	<1,300	NA	<13	<13	<13	<25	NA	280	NA	NA	NA	10,000	NA	NA	327.31	31.54	295.77	NA	NA
SR-2	07/27/2004	<1,300	NA	<13	<13	<13	<25	NA	63	<50	<50	<50	9,500	<1,300	NA	327.31	31.35	295.96	NA	NA
SR-2	10/29/2004	<1,300	NA	<13	<13	<13	<25	NA	47	<50	<50	<50	7,600	<1,300	NA	327.31	30.50	296.81	NA	NA
SR-2	**01/06/2005**	**<1,300**	**NA**	**<13**	**<13**	**<13**	**<25**	**NA**	**23**	**<50**	**<50**	**<50**	**6,000**	**NA**	**NA**	**327.31**	**31.38**	**295.93**	**NA**	**NA**
SR-3	12/11/1989	500	NA	92	10	43	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	12/14/1989	2,400	NA	310	27	170	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	03/05/1990	70	NA	15	0.8	5.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	06/14/1990	470	NA	59	2.3	35	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	10/02/1990	1,700	NA	91	6.2	7.0	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	12/18/1990	140	NA	10	0.8	7.5	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-3	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.11	14.66	314.45	NA	NA
SR-3	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.11	14.96	314.15	NA	NA
SR-3	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	329.11	13.60	315.51	NA	NA
SR-3	09/27/2002	<2,500	NA	<25	<25	<25	<25	NA	11,000	NA	NA	NA	NA	NA	NA	328.65	14.75	313.90	NA	NA
SR-3	12/27/2002	<2,000	NA	<20	<20	<20	<20	NA	5,100	<20	<20	<20	4,600	NA	<20	328.65	13.65	315.00	NA	NA
SR-3	03/24/2003	<2,500	NA	<25	<25	<25	<50	NA	3,700	NA	NA	NA	NA	NA	NA	328.65	13.52	315.13	NA	NA
SR-3	05/09/2003	<1,000	NA	15	<10	19	48	NA	3,700	NA	NA	NA	8,400	NA	NA	328.65	12.15	316.50	NA	NA
SR-3	07/08/2003	<1,000	NA	<10	<10	<10	<20	NA	2,800	NA	NA	NA	8,300	NA	NA	327.50	30.00	297.50	NA	NA
SR-3	10/15/2003	310	NA	3.2	<2.5	9.1	30	NA	240	NA	NA	NA	3,600	NA	NA	327.50	15.39	312.11	NA	NA
SR-3	01/06/2004	<500	NA	<5.0	<5.0	<5.0	<10	NA	26	NA	NA	NA	3,300	NA	NA	327.50	30.29	297.21	NA	NA
SR-3	04/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	4.4	NA	NA	NA	370	NA	NA	327.50	15.49	312.01	NA	NA
SR-3	07/27/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	9.0	<2.0	<2.0	<2.0	390	<50	NA	327.50	15.34	312.16	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
SR-3	10/29/2004	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	15	<4.0	<4.0	<4.0	780	<100	NA	327.50	15.22	312.28	NA	NA
SR-3	**01/06/2005**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**6.3**	**<2.0**	**<2.0**	**<2.0**	**250**	**NA**	**NA**	**327.50**	**15.08**	**312.42**	**NA**	**NA**
T-1	06/18/2002	<5,000	NA	<50	<50	<50	<50	NA	20,000	NA	NA	NA	NA	NA	NA	NA	12.31	NA	NA	NA
T-2	09/17/2001	<5,000	NA	<25	<25	<25	<25	NA	29,000	NA	NA	NA	NA	NA	NA	NA	11.48	NA	NA	NA
T-2	12/31/2001	<5,000	NA	<50	<50	<50	<50	NA	31,000	NA	NA	NA	NA	NA	NA	NA	4.96	NA	NA	NA
T-2	03/13/2002	<5,000	NA	<50	<50	<50	<50	NA	48,000	NA	NA	NA	NA	NA	NA	NA	9.76	NA	NA	NA
T-2	06/18/2002	<20,000	NA	<200	<200	<200	<200	NA	100,000	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	NA
T-2	09/27/2002	240	NA	0.55	2.8	1.8	2.6	NA	39	NA	NA	NA	NA	NA	NA	NA	8.15	NA	NA	NA
T-2	12/27/2002	2,100	NA	7.8	17	<0.50	11	NA	790	<2.0	<2.0	2.7	1,200	NA	<2.0	NA	6.75	NA	NA	NA
T-2	03/24/2003	550	NA	<2.5	<2.5	<2.5	<5.0	NA	310	NA	NA	NA	NA	NA	NA	NA	11.68	NA	NA	NA
T-2	05/09/2003	220	NA	0.66	0.55	<0.50	1.8	NA	100	NA	NA	NA	92	NA	NA	NA	6.40	NA	NA	NA
T-2	07/08/2003	<500	NA	13	7.4	<5.0	22	NA	990	NA	NA	NA	120	NA	NA	NA	8.16	NA	NA	NA
T-2	10/15/2003	220 e	NA	<0.50	<0.50	<0.50	<1.0	NA	13	NA	NA	NA	23	NA	NA	NA	11.15	NA	NA	NA
T-2	01/06/2004	710	NA	<0.50	<0.50	<0.50	1.2	NA	14	NA	NA	NA	9.2	NA	NA	NA	9.10	NA	NA	NA
T-2	04/07/2004	570 e	NA	5.4	<0.50	<0.50	1.2	NA	5.6	NA	NA	NA	11	NA	NA	NA	10.54	NA	NA	NA
T-2	07/27/2004	270	NA	17	1.2	<0.50	2.0	NA	2.9	<2.0	<2.0	<2.0	7.9	<50	NA	NA	9.89	NA	NA	NA
T-2	10/29/2004	180	NA	<0.50	<0.50	<0.50	<1.0	NA	4.2	<2.0	<2.0	<2.0	23	<50	NA	NA	9.42	NA	NA	NA
T-2	**01/06/2005**	**1,100**	**NA**	**0.83**	**<0.50**	**<0.50**	**3.5**	**NA**	**3.0**	**<2.0**	**<2.0**	**<2.0**	**12**	**NA**	**NA**	**NA**	**7.98**	**NA**	**NA**	**NA**
T-3	06/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA	NA
T-4	06/18/2002	<10,000	NA	<100	<100	<100	<200	NA	97,000	NA	NA	NA	NA	NA	NA	NA	13.50	NA	NA	NA
T-4	12/27/2002	550	NA	5.3	16	0.60	39	NA	140	<2.0	<2.0	<2.0	120	NA	<2.0	NA	7.65	NA	NA	NA
T-4	03/24/2003	1,400	NA	<0.50	1.0	1.2	3.6	NA	15	NA	NA	NA	NA	NA	NA	NA	12.88	NA	NA	NA
T-4	05/09/2003	<50	NA	<0.50	<0.50	<0.50	1.6	NA	14	NA	NA	NA	5.2	NA	NA	NA	7.59	NA	NA	NA
T-4	07/08/2003	730	NA	26	8.9	10	19	NA	1,000	NA	NA	NA	150	NA	NA	NA	9.33	NA	NA	NA
T-4	10/15/2003	1,200	NA	15	6.1	2.8	11	NA	310	NA	NA	NA	980	NA	NA	NA	11.80	NA	NA	NA
T-4	01/06/2004	68	NA	1.1	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	<5.0	NA	NA	NA	9.78	NA	NA	NA
T-4	04/07/2004	1,600	NA	5.1	0.57	<0.50	2.3	NA	6.1	NA	NA	NA	<5.0	NA	NA	NA	11.15	NA	NA	NA
T-4	07/27/2004	590	NA	5.3	0.83	0.52	2.2	NA	4.8	<2.0	<2.0	<2.0	7.5	<50	NA	NA	10.93	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
T-4	10/29/2004	83	NA	<0.50	<0.50	<0.50	<1.0	NA	1.2	<2.0	<2.0	<2.0	<5.0	<50	NA	NA	10.06	NA	NA	NA
T-4	**01/06/2005**	**430 g**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**9.6**	**<2.0**	**<2.0**	**<2.0**	**<5.0**	**NA**	**NA**	**NA**	**8.69**	**NA**	**NA**	**NA**
C-1	05/09/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.50	302.83	NA	NA
C-1	07/08/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.50	302.83	NA	NA
C-1	10/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.52	302.81	NA	NA
C-1	01/06/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.21	303.12	NA	NA
C-1	04/07/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.54	302.79	NA	NA
C-1	07/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.58	302.75	NA	NA
C-1	10/29/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331.33	28.58	302.75	NA	NA
C-1	**01/06/2005**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**331.33**	**28.55**	**302.78**	**NA**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)

Abbreviations:
TEPH = Total petroleum hydrocarbons as diesel.
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 18, 2001, analyzed by EPA Method 8015.
BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 18, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260
1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260
TOB = Top of Wellbox Elevation
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
DO = Dissolved Oxygen
ppm = Parts per million
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample

WELL CONCENTRATIONS
Shell-branded Service Station
3790 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)

Notes:

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

b = This sample was analyzed outside of the EPA recommended holding time.

c = Samples for wells S-6 and S-7 may have been switched.

d = Survey date only.

e = Hydrocarbon does not match pattern of laboratory's standard.

f = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

g = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

Ethanol analyzed by EPA Method 8260.

Corrected groundwtaer elevation when SPH is present = Top of Casing Elevation - Depth to Water + (0.8 x Hydrocarbon Thickness).

Well T-2 is a backfill well.

Beginning September 23, 2002 depth to water referenced to Top of Casing.

All wells except S-11, S-12, and T-1 through T-4 surveyed March 11, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Survey data for wells S-11 and S-12 provided by Cambria Environmental Technology, Inc.

C-1 surveyed March 18, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells SR-1, SR-2, and SR-3 surveyed September 22, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.

Attachment C

ZONE 7 WATER AGENCY GROUNDWATER GRADIENT MAP

Well location with water elevation (Ft MSL)

Groundwater Contours (Ft MSL)
Contour Interval = 25 Feet

Basin Boundary

270 Water elevation in lake (Ft MSL)

SITE

0 3000 6000
FEET

ZONE 7 WATER AGENCY 5997 PARKSIDE DRIVE, PLEASANTON, CA 94588	DWN: Tom Rooze DES.: Gerry Gates CHK: APPD:	Semi Annual Groundwater Gradient Map 2003 Water Year, Fall 2003 (September) Upper Aquifer, Livermore Valley Basin, California	FILE: 2003GWUpper.dwg DATE: Aug 5, 2004 FIGURE NUMBER: 4

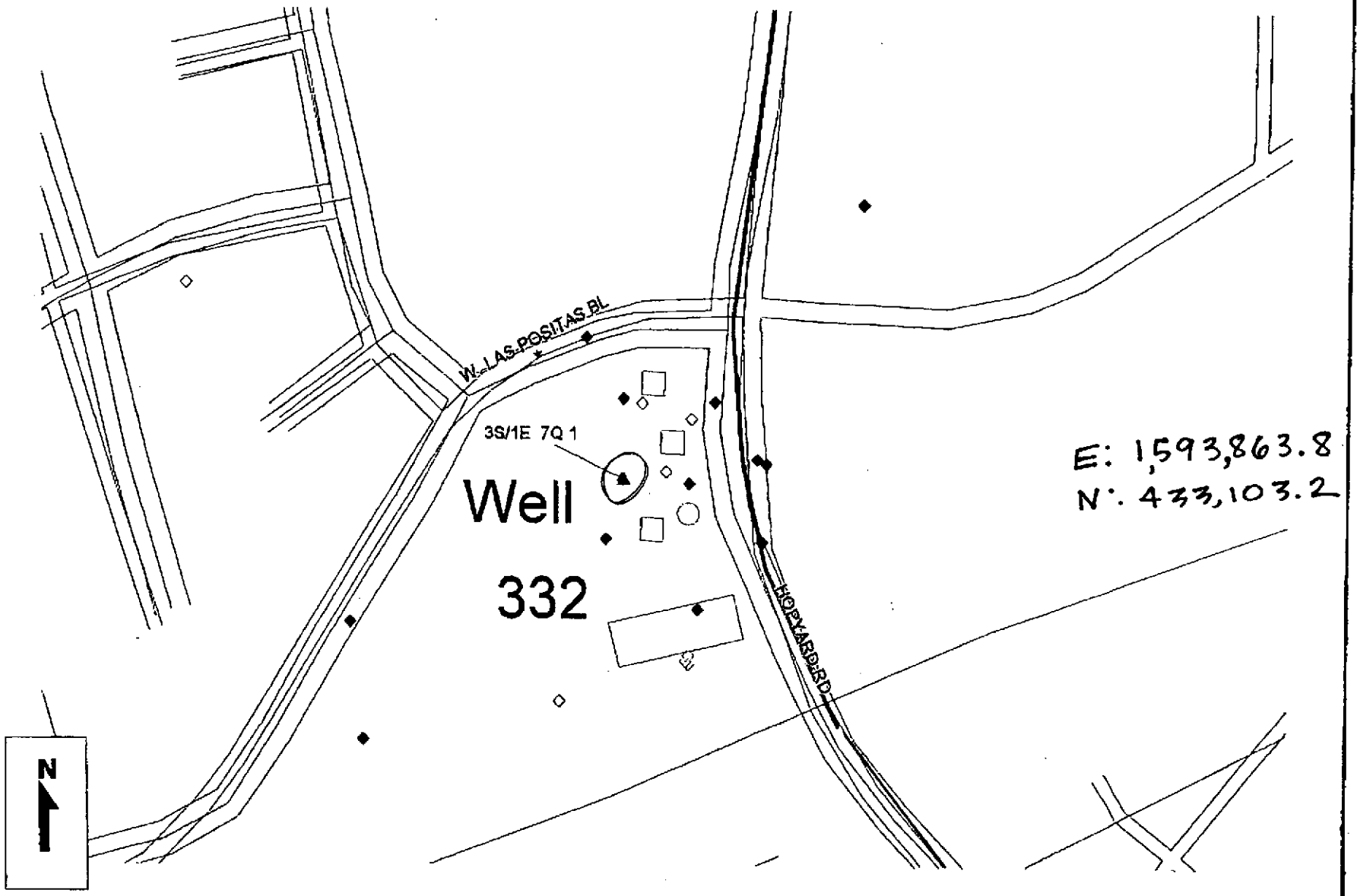
Attachment D

INFORMATION FOR WELL 3S/1E-7Q1

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



ZONE 7 WATER AGENCY
5997 PARKSIDE DRIVE
PLEASANTON, CA 94588

WELL LOCATION MAP

SCALE: 1" = 200 ft

DATE: 5/1/02

FILE NO.: 3S/1E 7Q 1
H:\FLOOD\REFERALL\REFERALL8.WOR

Attachment E

PERMITS

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235 FAX (925) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Shell Station
3790 Hopyard Rd
Pleasanton, CA

California Coordinates Source _____ Accuracy± _____ ft.
CCN _____ ft. CCE _____ ft.
APN 941-1309-35

CLIENT
Name Shell Oil Products US
Address 20945 S. Wilmington Ave Phone (559) 645-9306
City Carson CA Zip 90810

APPLICANT
Name Delta Environmental Consultants
Attn: Rebecca Wolff Fax (408) 225-8506
Address 175 Bernal Rd. Suite 200 Phone (408) 224-4724
City San Jose Zip 95119

TYPE OF PROJECT:

Well Construction	☐	Geotechnical Investigation	☐
Well Destruction	☐	Contamination Investigation	☒
Cathodic Protection	☐	Other _____	☐

PROPOSED WELL USE:

Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	☐
Dewatering	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	☐
Cable Tool	☐	Direct Push	☒	Other CPT	☒

DRILLING COMPANY Gregg In Situ, Inc
DRILLER'S LICENSE NO. C57-656407

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS: 4 (CPT-3, CPT-5)
Number of Borings _____ Maximum
Hole Diameter 3 in. Depth 80 ft.

ESTIMATED STARTING DATE 2/14/05
ESTIMATED COMPLETION DATE 2/18/05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE Rebecca Wolff Date 1-25-05

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 25012
WELL NUMBER _____
APN 941-1309-035-00

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

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

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS:, Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 2/1/05
Wyman Hong

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235 FAX (925) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 5976 W. Las Positas Blvd
Pleasanton, CA

California Coordinates Source_____ Accuracy±_____ft.
CCN_____ft. CCE_____ft.
APN 941-2760-5

CLIENT
Name Shell Oil Products US
Address 20945 S. Wilmington Phone (559) 645-9306
City Carson CA Zip 90810

APPLICANT
Name Delta Environmental Consoltants
Attn: Rebecca Wolff Fax (408) 225-8506
Address 175 Bernal Rd Suite 200 Phone (408) 224-4724
City San Jose, CA Zip 95119

TYPE OF PROJECT:

Well Construction	☐	Geotechnical Investigation	☐
Well Destruction	☐	Contamination Investigation	☒
Cathodic Protection	☐	Other	

PROPOSED WELL USE:

Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	☐
Dewatering	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	☐
Cable Tool	☐	Direct Push	☒	Other CPT	☒

DRILLING COMPANY Gregg In Situ, Inc.
DRILLER'S LICENSE NO. C57-656407

WELL SPECIFICATIONS:
Drill Hole Diameter_____ in. Maximum
Casing Diameter _____ in. Depth _____ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS:
Number of Borings 2 (CPT-9) Maximum
Hole Diameter 3 in. Depth 60 ft.

ESTIMATED STARTING DATE 2/14/05
ESTIMATED COMPLETION DATE 2/18/05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE Rebecca Wolff Date 1-25-05

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 25013
WELL NUMBER _____
APN 941-2760-005-00

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

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

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS:, Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 2/1/05
Wyman Hong

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235 FAX (925) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Hopyard Road (120 ft, 240 ft and 360 ft South of Las Positas)

California Coordinates Source _____ Accuracy± _____ ft.
CCN _____ ft. CCE _____ ft.
APN _____

CLIENT
Name Shell Oil Products US
Address 20945 S. Wilmington Ave Phone (559) 645-9306
City Carson, CA Zip 90810

APPLICANT
Name Delta Environmental Consultants
Attn: Rebecca Wolff Fax (408) 225-8506
Address 175 Bernal Rd, Suite 200 Phone (408) 224-4724
City San Jose Zip 95119

TYPE OF PROJECT:

Well Construction	☐	Geotechnical Investigation	
Well Destruction	☐	Contamination Investigation	☑
Cathodic Protection	☐	Other _____	☐

PROPOSED WELL USE:

Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	☐
Dewatering	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	☐
Cable Tool	☐	Direct Push	☑	Other CPT	☑

DRILLING COMPANY Gregg In Situ, Inc.
DRILLER'S LICENSE NO. C57 - 656407

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS: (CPT-11, CPT-4, CPT-8)
Number of Borings 6 Maximum
Hole Diameter 3 in. Depth 80 ft.

ESTIMATED STARTING DATE 2/14/05
ESTIMATED COMPLETION DATE 2/18/05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE Rebecca Wolff Date 1-25-05

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 25014
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

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

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS:, Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 2/1/05
Wyman Hong

P:\WRE\WYMAN\drilling permit.wpd

Revised: March 26, 2002

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235 FAX (925) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 3730 Hopyard Rd
Pleasanton, CA

California Coordinates Source _____ Accuracy± _____ ft.
CCN _____ ft. CCE _____ ft.
APN 941-1309-069

CLIENT
Name Shell Oil Products US
Address 20945 S. Wilmington Ave Phone (559) 645-9306
City Carson CA Zip 90810

APPLICANT
Name Delta Environmental Consultants
Attn: Rebecca Wolff Fax (408) 225-8506
Address 175 Bernal Rd Suite 200 Phone (408) 224-4724
City San Jose Zip 95119

TYPE OF PROJECT:

Well Construction	☐	Geotechnical Investigation	☐
Well Destruction	☐	Contamination Investigation	☒
Cathodic Protection	☐	Other _____	☐

PROPOSED WELL USE:

Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	☐
Dewatering	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	☐
Cable Tool	☐	Direct Push	☒	Other CPT	☒

DRILLING COMPANY Gregg In Situ, Inc.
DRILLER'S LICENSE NO. C57-656407

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS: 4 (CPT-7, CPT-10)
Number of Borings _____ Maximum
Hole Diameter 3 in. Depth 80 ft.

ESTIMATED STARTING DATE 2/14/05
ESTIMATED COMPLETION DATE 2/18/05

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

APPLICANT'S SIGNATURE Rebecca Wolff Date 1-25-05

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 25015
WELL NUMBER _____
APN 941-1309-069-00

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

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

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS:, Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 2/1/05
Wyman Hong

P:\WRE\WYMAN\drilling permit.wpd

Revised: March 26, 2002

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235 FAX (925) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 3760 Hopyard Rd Pleasanton, CA

California Coordinates Source _____ Accuracy± _____ ft.
CCN _____ ft. CCE _____ ft.
APN 941-1309-34-3

CLIENT
Name Shell Oil Products US
Address 20945 S. Wilmington Ave Phone (559) 645-9306
City Carson CA Zip 90810

APPLICANT
Name Delta Environmental Consultants
Attn: Rebecca Wolff Fax (408) 225-8506
Address 175 Bernal Rd Suite 200 Phone (408) 224-4724
City San Jose Zip 95119

TYPE OF PROJECT:

Well Construction	☐	Geotechnical Investigation	☐
Well Destruction	☐	Contamination Investigation	☒
Cathodic Protection	☐	Other _____	☐

PROPOSED WELL USE:

Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	☐
Dewatering	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	☐
Cable Tool	☐	Direct Push	☒	Other CPT	☒

DRILLING COMPANY Gregg In Situ, Inc
DRILLER'S LICENSE NO. C57-656407

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS: 2 (CPT-6)
Number of Borings 2 Maximum
Hole Diameter 3 in. Depth 80 ft.

ESTIMATED STARTING DATE 2/14/05
ESTIMATED COMPLETION DATE 2/18/05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE Rebecca Wolff Date 1-25-05

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 25016
WELL NUMBER _____
APN 941-1309-034-03

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

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

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS:, Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 2/1/05
Wyman Hong

P:\WRE\WYMAN\drilling permit.wpd

Revised: March 26, 2002

THE CITY OF PLEASANTON

PUBLIC WORKS PERMIT

-Inspections must be requested 24 Hours prior to Starting Work-

Project Address	**APN#**	**Permit #:** ENCR 201303 **Applicant** DELTA ENVIRONMENTAL CON

Project: ASSIGN -

Owner	**Contractor** GREG IN SITU, INC MARTINEZ, CA 94553 WELL DRILLING 656407

Scope of Work ENCR-BOR ENCR FOR BORING WORK

This permit is for 3 soil sample borings at locations shown on attached sketch for Hopyard Road just south of W. Las Positas Blvd. See attached approved traffic control plan. It is contractor's responsibility to restore all areas to original condition.

Comments

Quantity	**Description**	**Amount**
	MISC ENCROACHMENT PERMIT	160.00

Entered: PHH

CALL PUBLIC WORKS
INSPECTION 24 HRS
PRIOR TO START OF
WORK (925) 931-5680

All work to be performed to City of Pleasanton Standard Details and Specifications. This permit is issued pursuant to all provisions of the City of Pleasanton Municipal Code, Chapter 13.04, Encroachment.

Total Fees: $160.00 **Payment:** $160.00

Issued By: Peggy Holden **Date of Issue:** 10-FEB-2005

Applicant or Agent: Rebecca Wolff **Date:** 2-11-05

Engineering Division: (925) 931-5650 **Public Works Inspections: (925) 931-5680**

Attachment F

CPT SITE INVESTIGATION REPORT
GREGG IN SITU, INC.
FEBRUARY 23, 2005

GREGG DRILLING AND TESTING, INC.
GREGG IN SITU, INC.
ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATION SERVICES

February 23, 2005

Delta Environmental
Attn: Lee Dooley
175 Bernal Road, Suite 200
San Jose, CA 95119

Subject: CPT Site Investigation
3790 Hopyard
Pleasanton, CA
GREGG Project Number: 05-055ma

Dear Mr. Dooley:

The following report presents the results of GREGG IN SITU's Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	☒
2	Pore Pressure Dissipation Tests	(PPD)	☒
3	Seismic Cone Penetration Tests	(SCPTU)	☐
4	Resistivity Cone Penetration Tests	(RCPTU)	☐
5	UVIF Cone Penetration Tests	(UVIFCPTU)	☐
6	Groundwater Sampling	(GWS)	☒
7	Soil Sampling	(SS)	☒
8	Vapor Sampling	(VS)	☐
9	Vane Shear Testing	(VST)	☐
10	SPT Energy Calibration	(SPTE)	☐

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (562) 427-6899.

Sincerely,
GREGG IN SITU, Inc.

Mary Walden
Operations Manager

Bibliography

Campanella, R.G. and I. Weemees, "Development and Use of An Electrical Resistivity Cone for Groundwater Contamination Studies", Canadian Geotechnical Journal, Vol. 27 No. 5, 1990 pp. 557-567.

Daniel, C.R., J.A. Howie and A. Sy, "A Method for Correlating Large Penetration Test (LPT) to Standard Penetration Test (SPT) Blow Counts", 55th Canadian Geotechnical Conference, Niagara Falls, Ontario, Proceedings ,2002.

DeGroot, D.J. and A.J. Lutenegger, "Reliability of Soil Gas Sampling and Characterization Techniques", International Site Characterization Conference - Atlanta, 1998.

Greig, J.w., R.G. Campanella and P.K. Robertson, "Comparison of Field Vane Results With Other In-Situ Test Results", International Symposium, on Laboratory and Field Vane Shear Strength Testing, ASTM, Tampa, FL, Proceedings, 1987.

Kurfurst, P.J. and D.J. Woeller, "Electric cone Penetrometer – Development and Field Results From the Canadian Arctic", Penetration Testing 1988 ISOPT, Orlando, Volume 2 pp 823-830.

Marchetti S., P. Monaco, G. Totani, M. Calabrese, "The Flat Dilatometer Test (DMT) in Soil Investigations", Report of the ISSMGE Technical Committee, IN SITU 2001 Intl. Conf. On in Situ Measurement of soil Properties, Bali, Indonesia.

Mayne, P.W., "NHI (2002) Manual on Subsurface Investigations: Geotechnical Site Characterization", available through www.ce.gatech.edu/~geosys/Faculty/Mayne/papers/index.html, Section 5.3, pp. 107-112.

Robertson, P.K., R.G. Campanella, D. Gillespie and A. Rice, "Seismic CPT to Measure In-Situ Shear Wave Velocity", Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8, 1986
pp. 791-803.

Robertson, P.K., T. Lunne and J.J.M. Powell, "Geo-Environmental Application of Penetration Testing", Geotechnical Site Characterization, Robertson & Mayne (editors), 1998 Balkema, Rotterdam, ISBN 90 5410 939 4 pp 35-47.

Roberston, P.K., "Soil Classification using the Cone Penetration Test", Canadian Geotechnical Journal, Vol. 27, 1990 pp. 151-158.

Woeller, D.J., P.K. Robertson, T.J. Boyd and Dave Thomas, "Detection of Polyaromatic Hydrocarbon Contaminants Using the UVIF-CPT", 53rd Canadian Geotechnical Conference Montreal, QC October pp. 733-739, 2000.

Zemo, D.A., T.A. Delfino, J.D. Gallinatti, V.A. Baker and L.R. Hilpert, "Field Comparison of Analytical Results from Discrete-Depth Groundwater Samplers" BAT EnviroProbe and QED HydroPunch, Sixth national Outdoor Action Conference, Las Vegas, Nevada Proceedings, 1992, pp 299-312.

Copies of ASTM Standards are available through www.astm.org

APPENDIX CPT

Cone Penetration Testing Procedure (CPT)

Gregg In Situ, Inc. carries out all Cone Penetration Tests (CPT) using an integrated electronic cone system, *Figure CPT*. The soundings were conducted using a 20 ton capacity cone with a tip area of 15 cm^2 and a friction sleeve area of 225 cm^2. The cone is designed with an equal end area friction sleeve and a tip end area ratio of 0.85.

The cone takes measurements of cone bearing (q_c), sleeve friction (f_s) and dynamic pore water pressure (u_2) at 5-cm intervals during penetration to provide a nearly continuous hydrogeologic log. CPT data reduction and interpretation is performed in real time facilitating on-site decision making. The above mentioned parameters are stored on disk for further analysis and reference. All CPT soundings are performed in accordance with revised (2002) ASTM standards (D 5778-95).

The cone also contains a porous filter element located directly behind the cone tip (u_2), *Figure CPT.* It consists of porous plastic and is 5.0mm thick. The filter element is used to obtain dynamic pore pressure as the cone is advanced as well as Pore Pressure Dissipation Tests (PPDT's) during appropriate pauses in penetration. It should be noted that prior to penetration, the element is fully saturated with silicon oil under vacuum pressure to ensure accurate and fast dissipation.

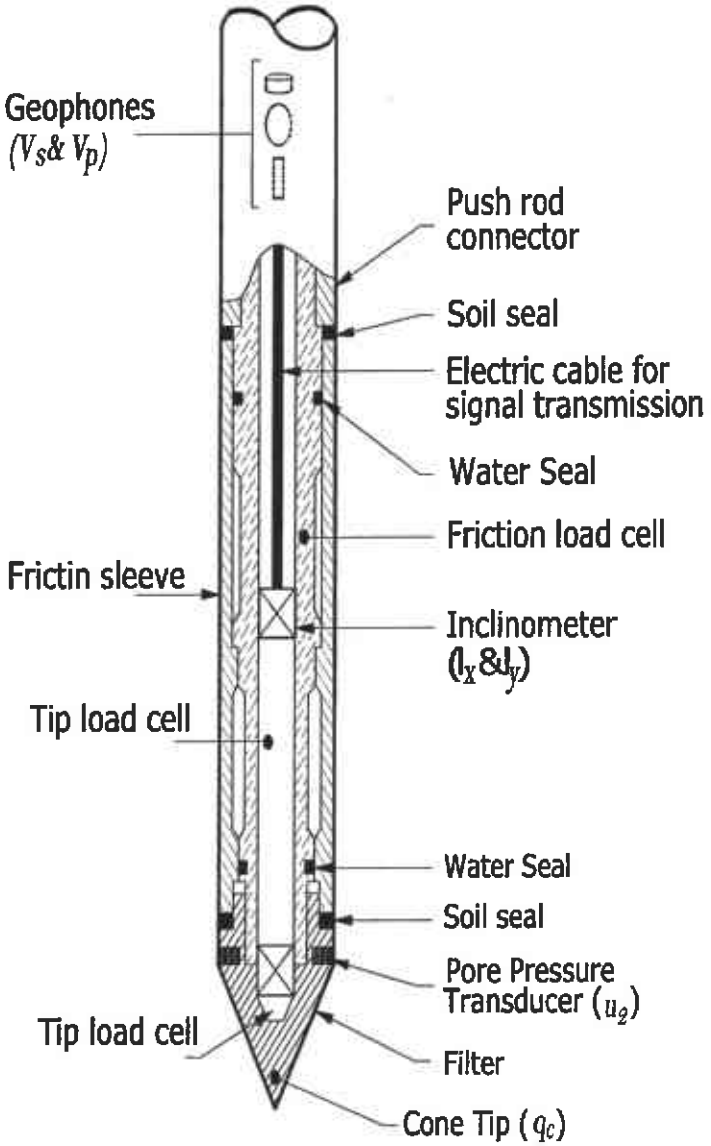


Figure CPT

When the soundings are complete, the test holes are grouted using a Gregg In Situ support rig. The grouting procedure consists of pushing a hollow CPT rod with a "knock out" plug to the termination depth of the test hole. Grout is then pumped under pressure as the tremie pipe is pulled from the hole. Disruption or further contamination to the site is therefore minimized.

Cone Penetration Test Data & Interpretation

Soil behavior type and stratigraphic interpretation is based on relationships between cone bearing (q_c), sleeve friction (f_s), and pore water pressure (u_2). The friction ratio (R_f) is a calculated parameter defined by $100f_s/q_c$ and is used to infer soil behavior type. Generally:

Cohesive soils (clays)

- High friction ratio (R_f) due to small cone bearing (q_c)
- Generate large excess pore water pressures (u_2)

Cohesionless soils (sands)

- Low friction ratio (R_f) due to large cone bearing (q_c)
- Generate very little excess pore water pressures (u_2)

A complete set of baseline readings are taken prior to and at the completion of each sounding to determine temperature shifts and any zero load offsets. Corrections for temperature shifts and zero load offsets can be extremely important, especially when the recorded loads are relatively small. In sandy soils, however, these corrections are generally negligible.

The cone penetration test data collected from your site is presented in graphical form in Appendix CPT. The data includes CPT logs of measured soil parameters, computer calculations of interpreted soil behavior types (SBT), and additional geotechnical parameters. A summary of locations and depths is available in Table 1. Note that all penetration depths referenced in the data are with respect to the existing ground surface.

Soil interpretation for this project was conducted using recent correlations developed by Robertson et al, 1990, *Figure SBT*. Note that it is not always possible to clearly identify a soil type based solely on q_c, f_s, and u_2. In these situations, experience, judgment, and an assessment of the pore pressure dissipation data should be used to infer the soil behavior type.

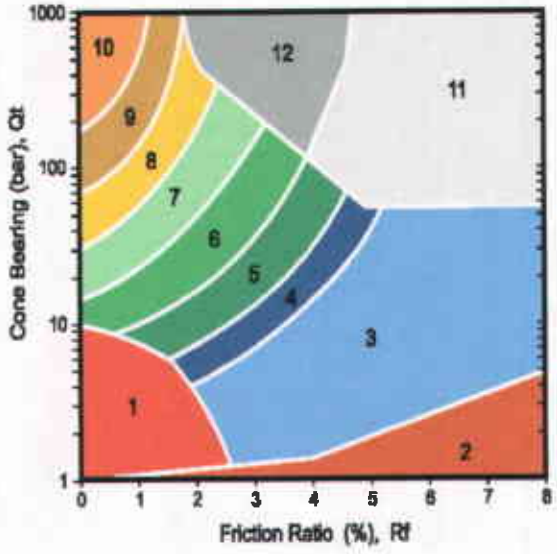


Figure SBT

ZONE	Qt/N	SBT
1	2	Sensitive, fine grained
2	1	Organic materials
3	1	Clay
4	1.5	Silty clay to clay
5	2	Clayey silt to silty clay
6	2.5	Sandy silt to clayey silt
7	3	Silty sand to sandy silt
8	4	Sand to silty sand
9	5	Sand
10	6	Gravely sand to sand
11	1	Very stiff fine grained*
12	2	Sand to clayey sand*

*over consolidated or cemented

Cone Penetration Test Sounding Summary

-Table 1-

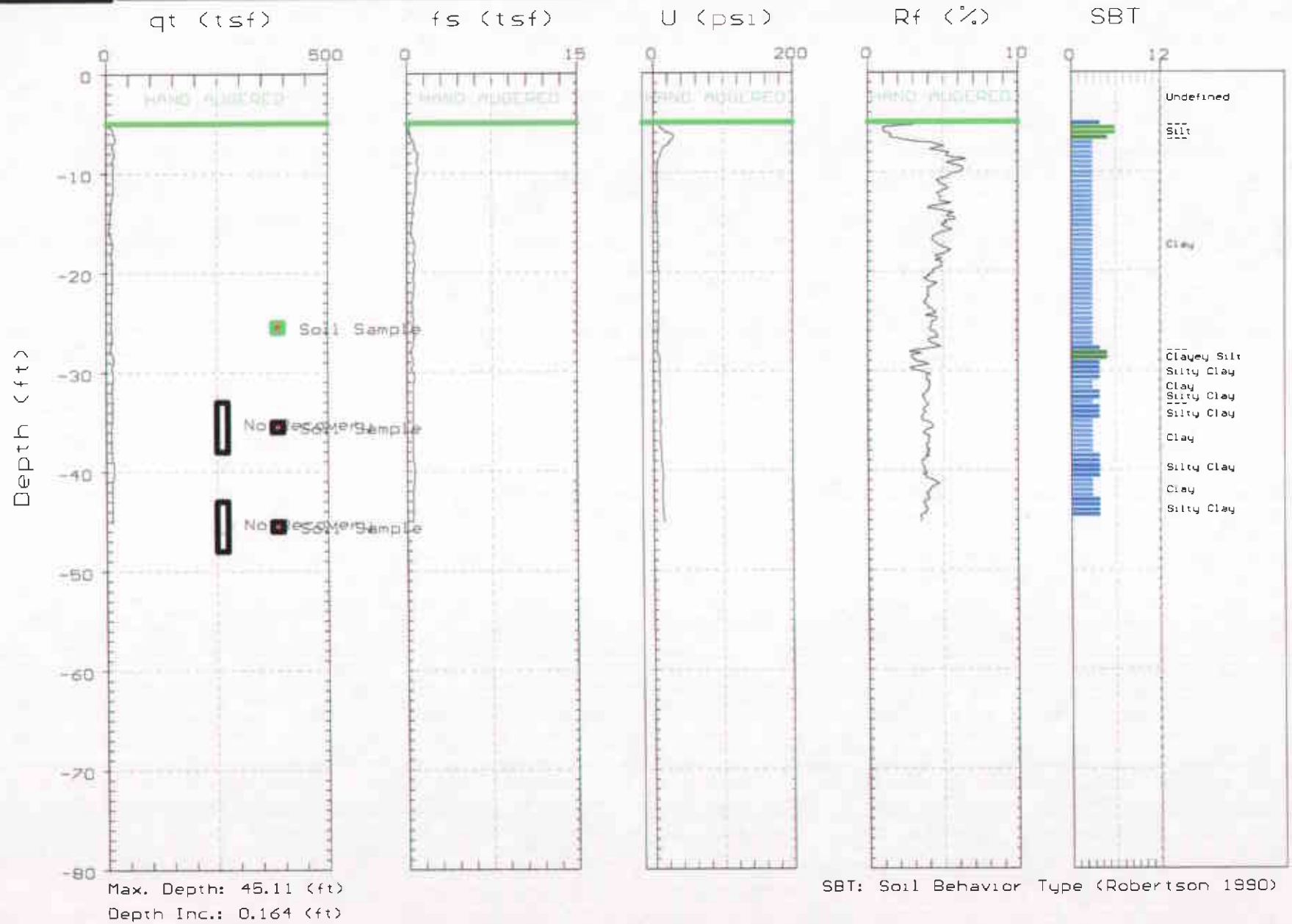
CPT Sounding Identification	Date	Termination Depth (Feet)	Depth of Groundwater Samples (ft)	Depth of Soil Samples (ft)	Depth of Pore Pressure Dissipation Tests (ft)
CPT-03	2/15	45	38(NR)/48(NR)	25/35/45	-
CPT-04	2/15	80	38(NR)/60/74	-	-
CPT-05	2/15	80	38(NR)/62/80	25/35/45	59
CPT-06	2/18	80	37(NR)/63/78	-	65
CPT-07	2/16	80	38/63/80	-	78
CPT-08	2/16	80	38(NR)/63/80	-	-
CPT-09	2/17	11(REFUSAL)	-	-	-
CPT-09A	2/17	80	35(NR)/63/77	-	-
CPT-10	2/17	80	38/64/80	62/76	-
CPT-11	2/17	80	35(NR)/63/74	-	63

GREGG

DELTA ENVIRONMENTAL

Site: 3790 HOPYARD
Location: CPT-03

Geologist: L. DOOLEY
Date: 02:15:05 09:05



Max. Depth: 45.11 (ft)
Depth Inc.: 0.164 (ft)

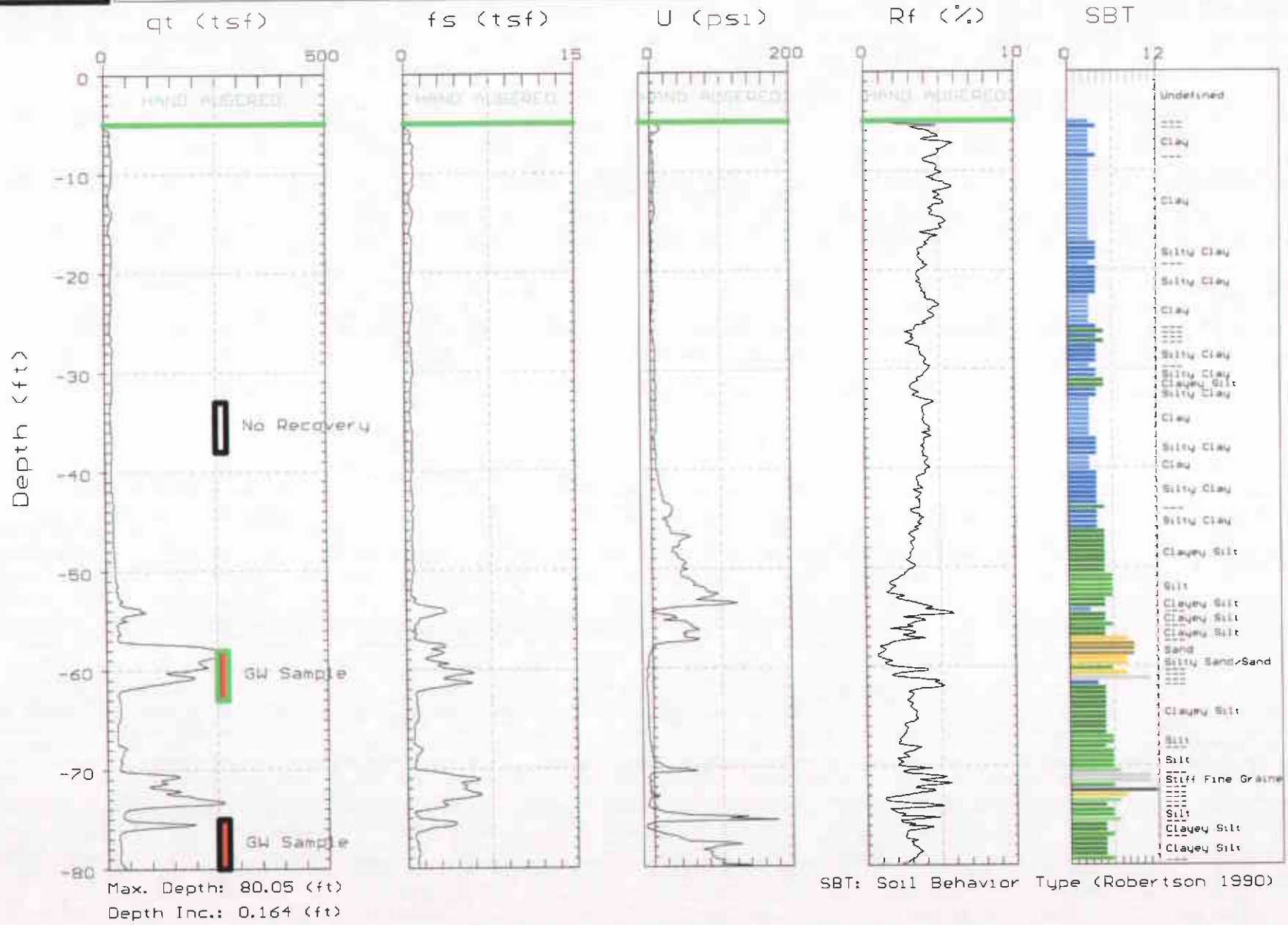
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA ENVIRONMENTAL

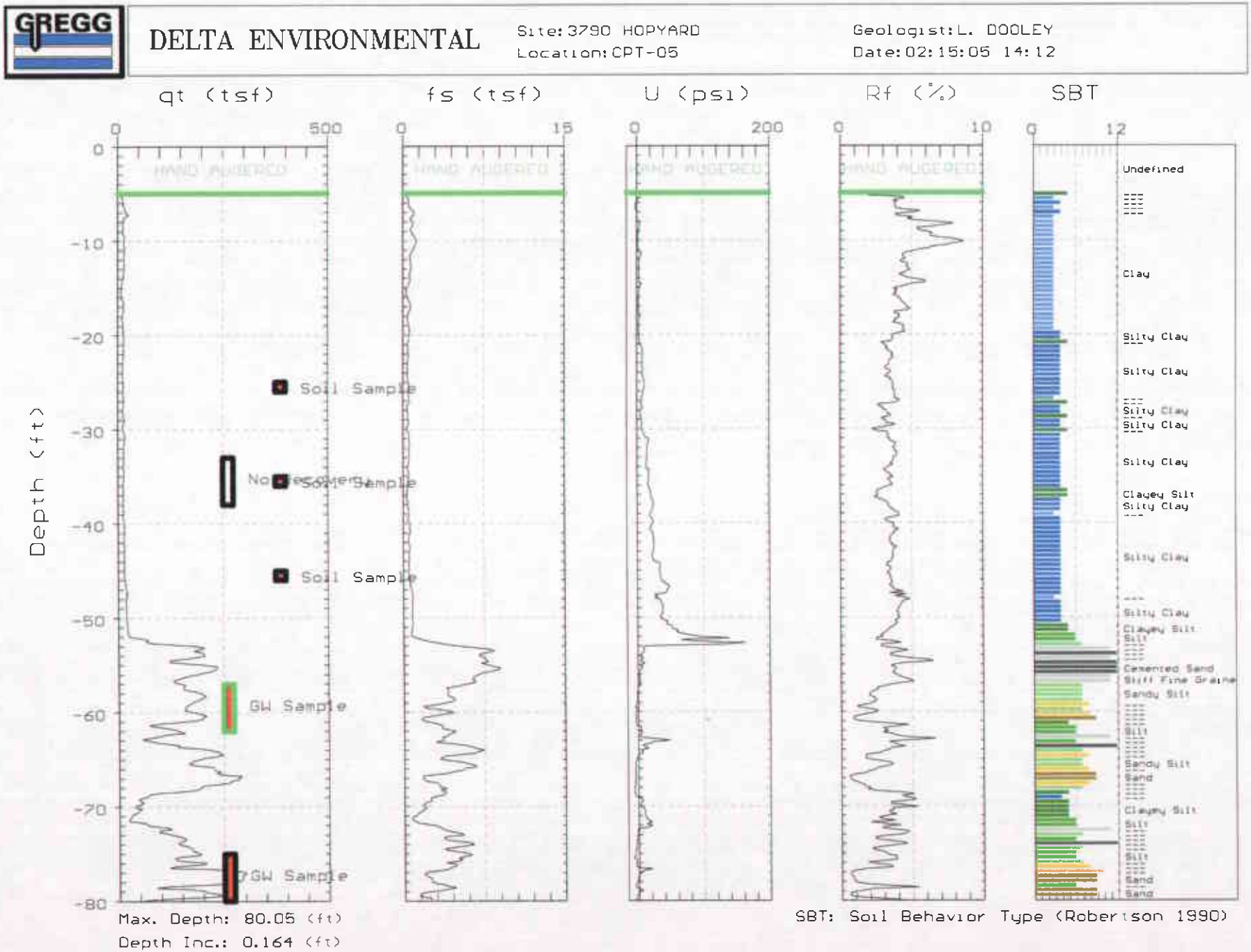
Site: 3790 HOPYARD
Location: CPT-04

Geologist: L. DOOLEY
Date: 02: 15: 05 12: 43



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

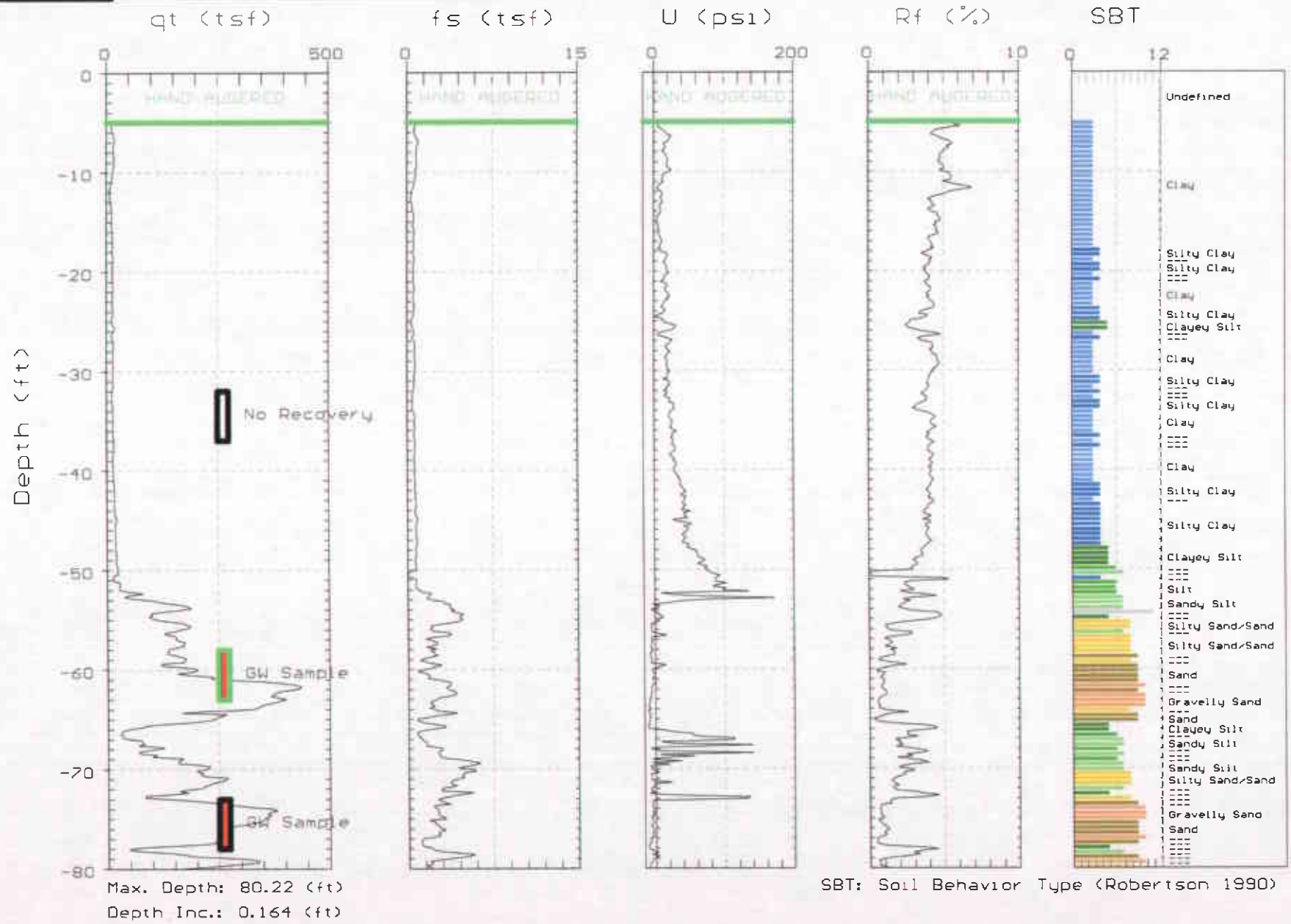

DELTA ENVIRONMENTAL
Site: 3790 HOPYARD
Location: CPT-05
Geologist: L. DOOLEY
Date: 02:15:05 14:12
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
Depth (ft)
Soil Sample
No Recovery
Soil Sample
Soil Sample
GW Sample
GW Sample
Undefined
Clay
Silty Clay
Silty Clay
Silty Clay
Silty Clay
Silty Clay
Clayey Silt
Silty Clay
Silty Clay
Silty Clay
Clayey Silt
Silt
Cemented Sand
Stiff Fine Grained
Sandy Silt
Silt
Sandy Silt
Sand
Clayey Silt
Silt
Silt
Sand
Sand
Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA ENVIRONMENTAL

Site: 3790 HOPYARD
Location: CPT-06

Geologist: L. DOOLEY
Date: 02:18:05 10:01



Max. Depth: 80.22 (ft)
Depth Inc.: 0.164 (ft)

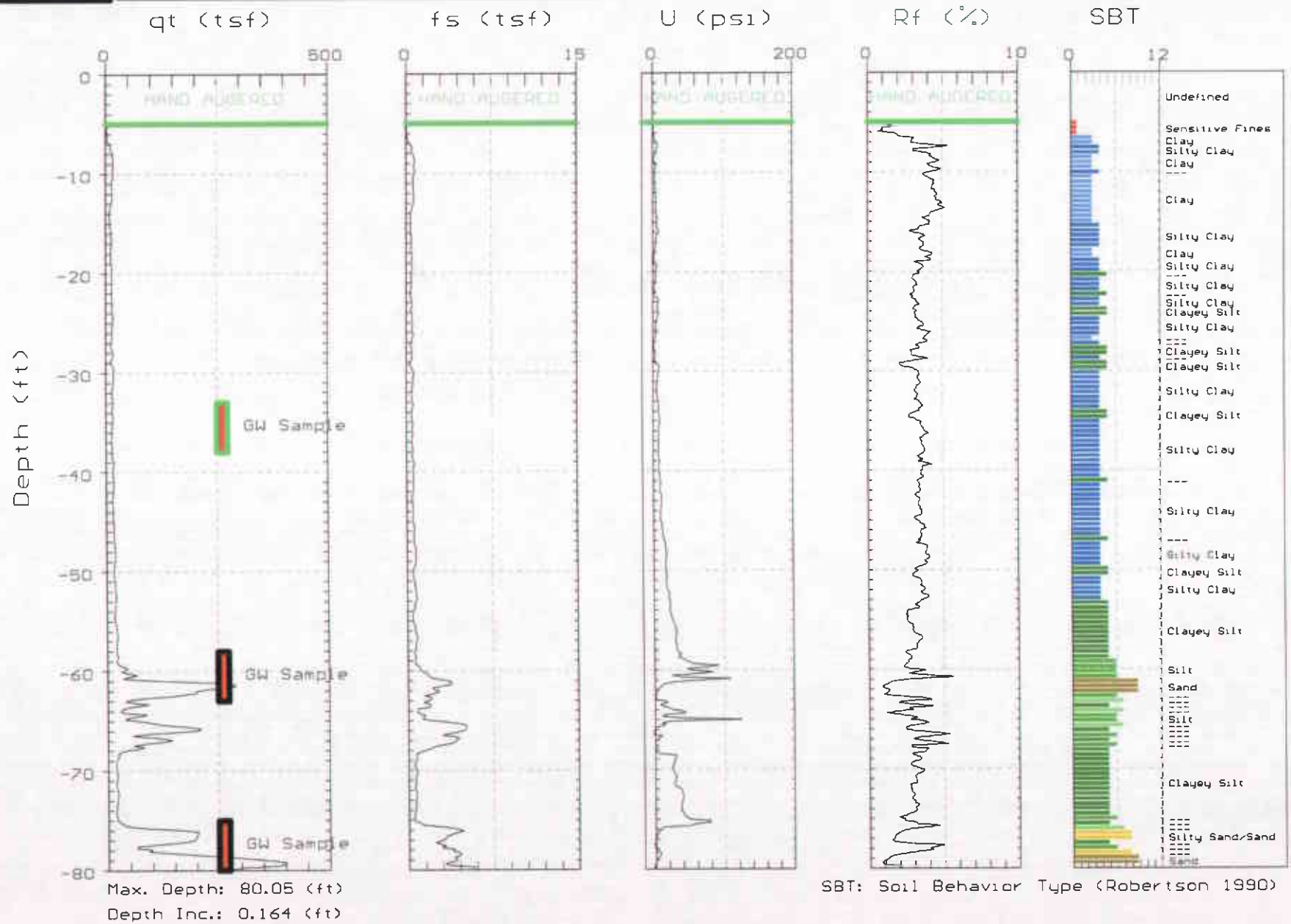
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA ENVIRONMENTAL

Site: 3790 HOPYARD
Location: CPT-07

Geologist: L. DOOLEY
Date: 02:16:05 08:20



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

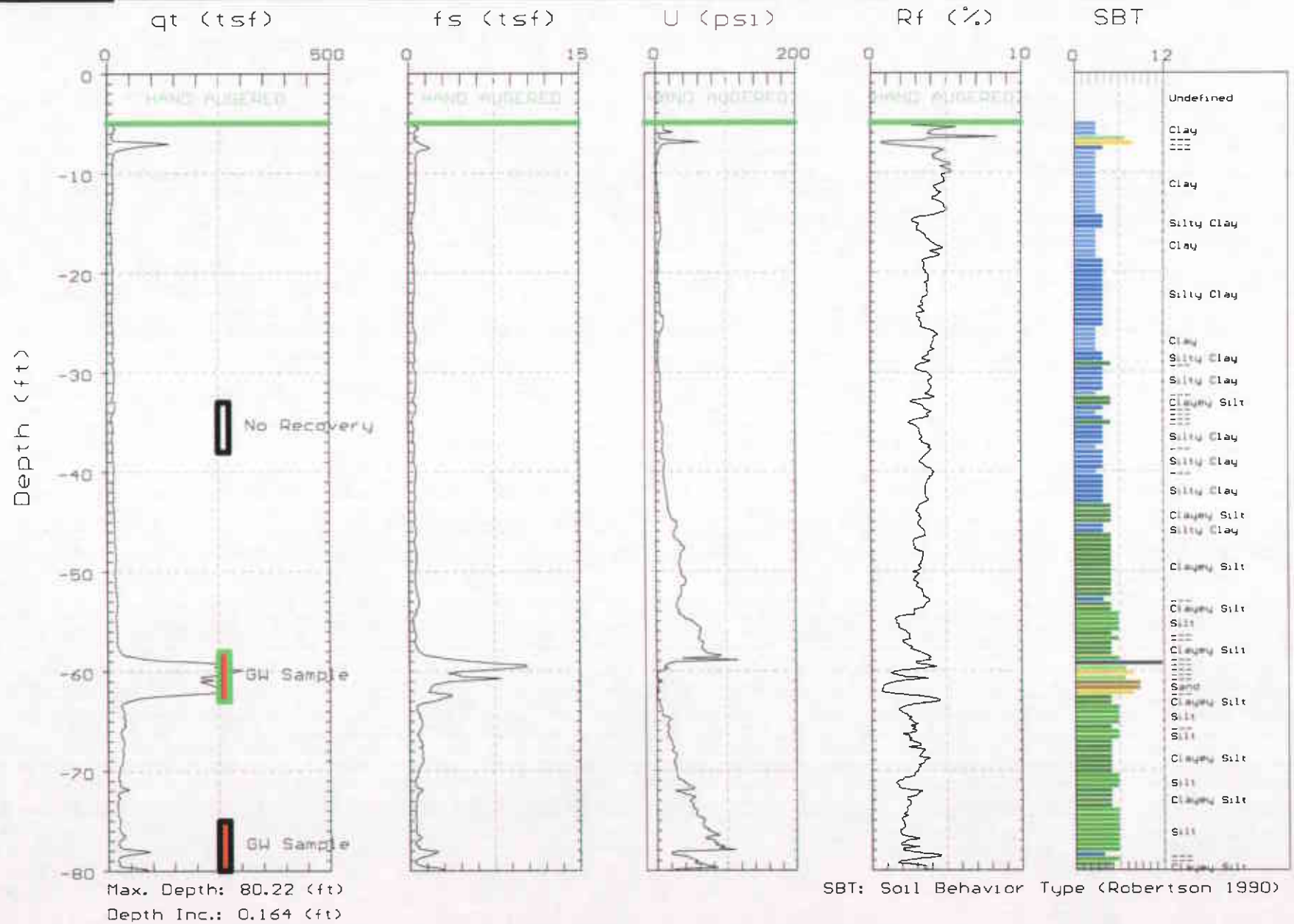
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA ENVIRONMENTAL

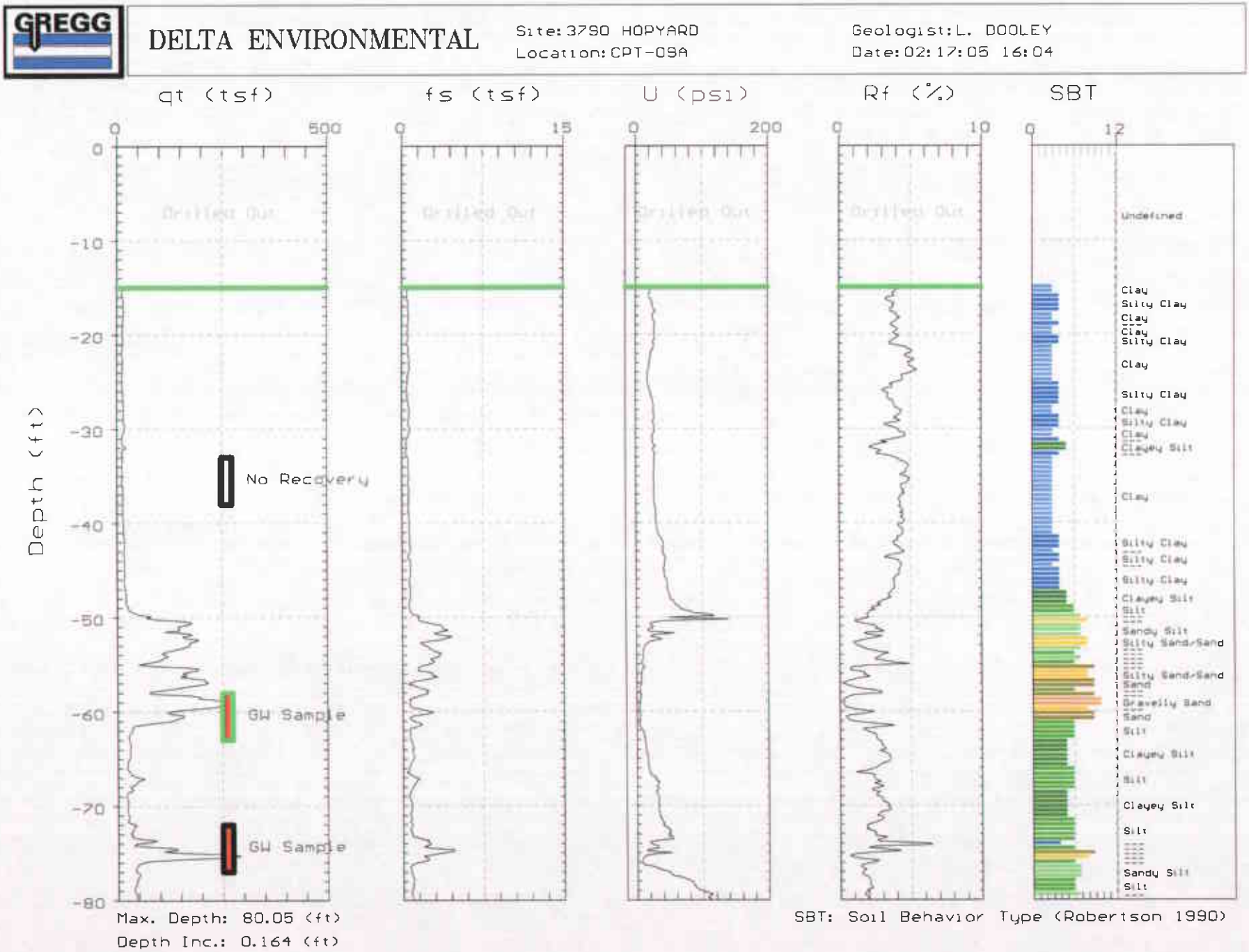
Site: 3790 HOPYARD
Location: CPT-08

Geologist: L. DOOLEY
Date: 02:16:05 11:51



Max. Depth: 80.22 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

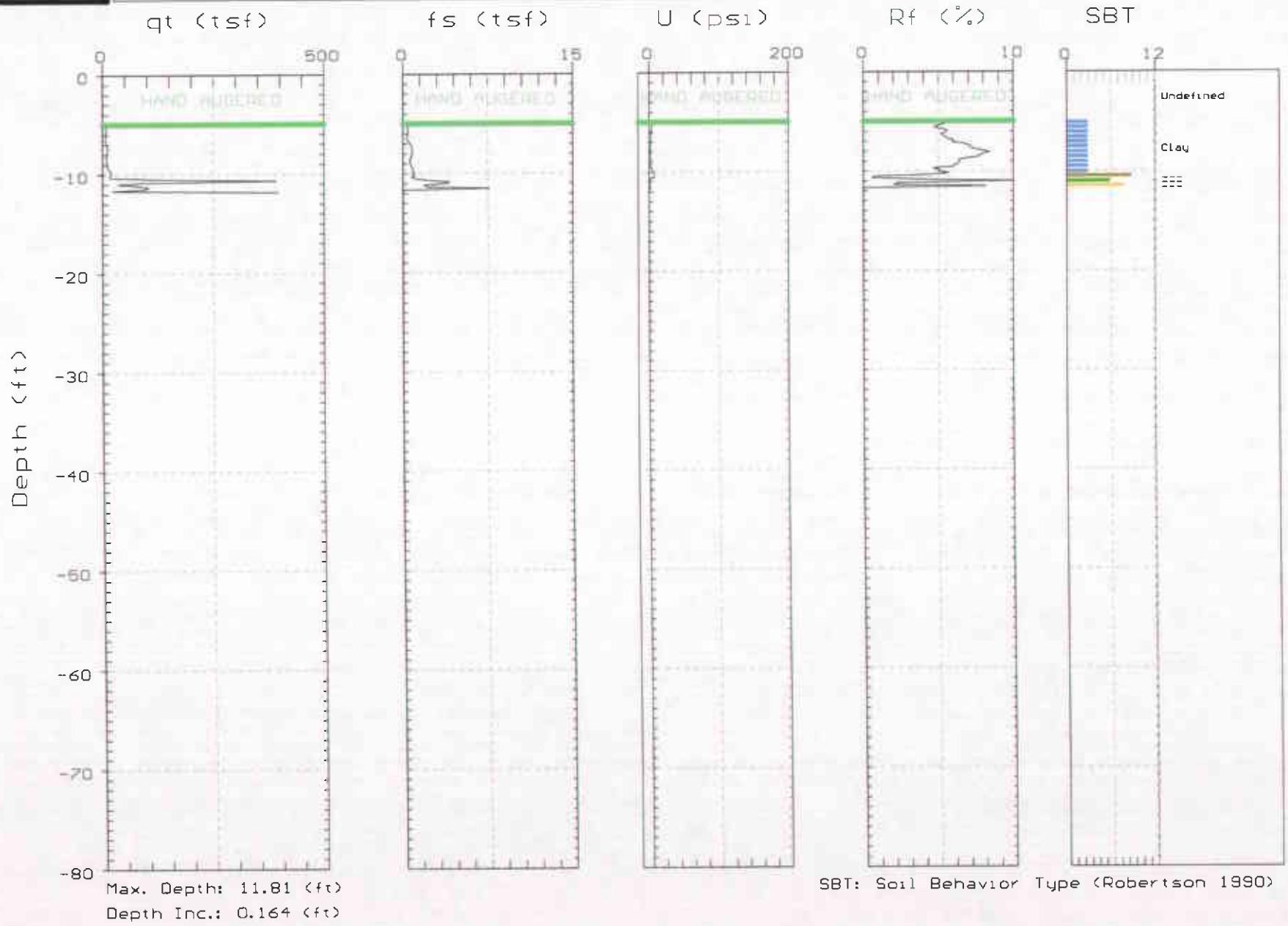

GREGG
DELTA ENVIRONMENTAL
Site: 3790 HOPYARD
Location: CPT-09A
Geologist: L. DOOLEY
Date: 02:17:05 16:04
qt (tsf)
fs (tsf)
U (psi)
Rf (%)
SBT
Depth (ft)
Drilled Out
No Recovery
GW Sample
GW Sample
Undefined
Clay
Silty Clay
Clay
Clay
Silty Clay
Clay
Silty Clay
Clay
Silty Clay
Clay
Clayey Silt
Clay
Silty Clay
Silty Clay
Silty Clay
Clayey Silt
Silt
Sandy Silt
Silty Sand-Sand
Silty Sand-Sand
Sand
Gravelly Sand
Sand
Silt
Clayey Silt
Silt
Clayey Silt
Silt
Sandy Silt
Silt
Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA ENVIRONMENTAL

Site: 3790 HOPYARD
Location: CPT-09

Geologist: L. DOOLEY
Date: 02:17:05 15:27



Max. Depth: 11.81 (ft)
Depth Inc.: 0.164 (ft)

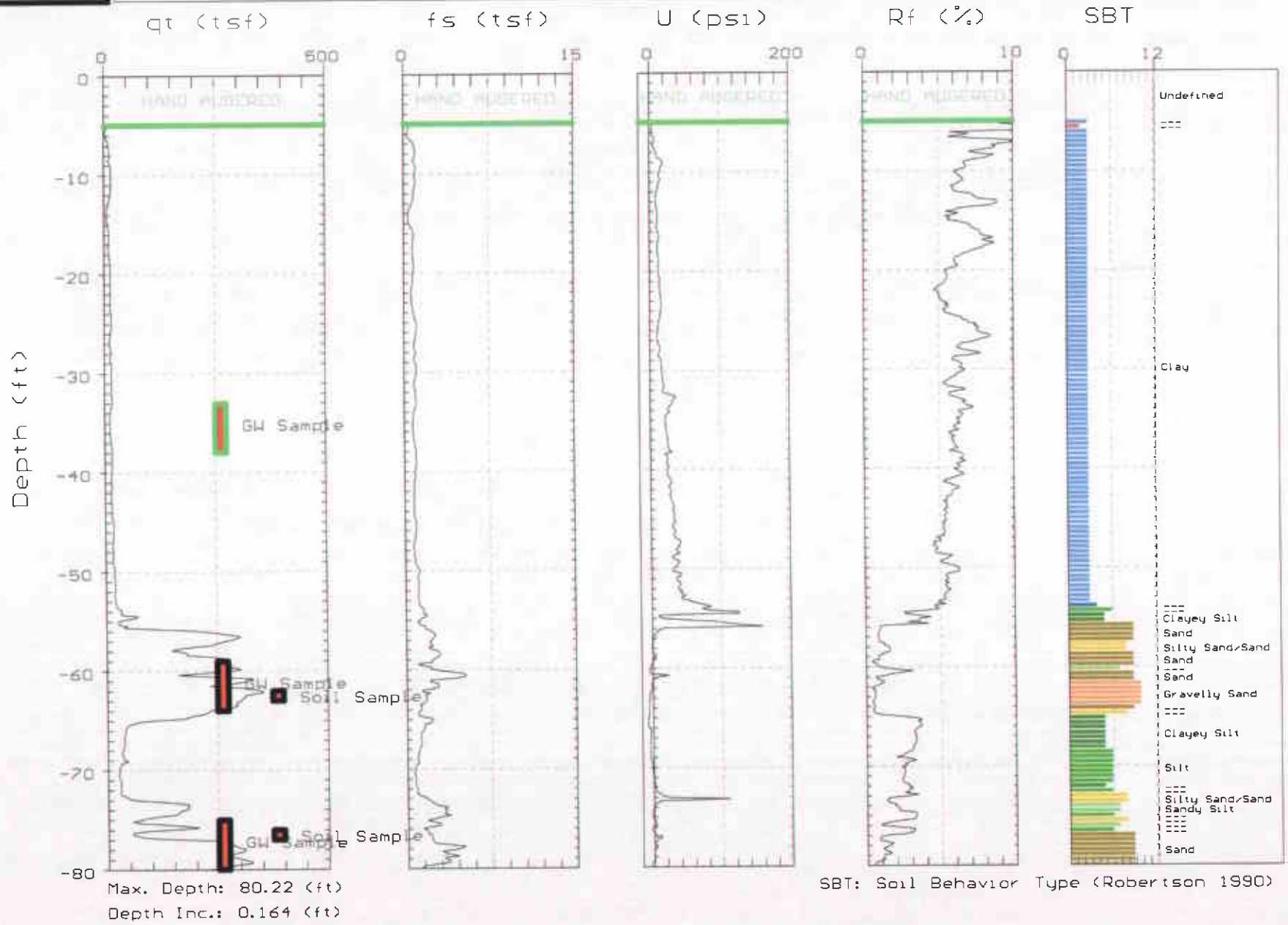
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA ENVIRONMENTAL

Site: 3790 HOPYARD
Location: CPT-10

Geologist: L. DOOLEY
Date: 02: 17: 05 08: 25



Max. Depth: 80.22 (ft)
Depth Inc.: 0.164 (ft)

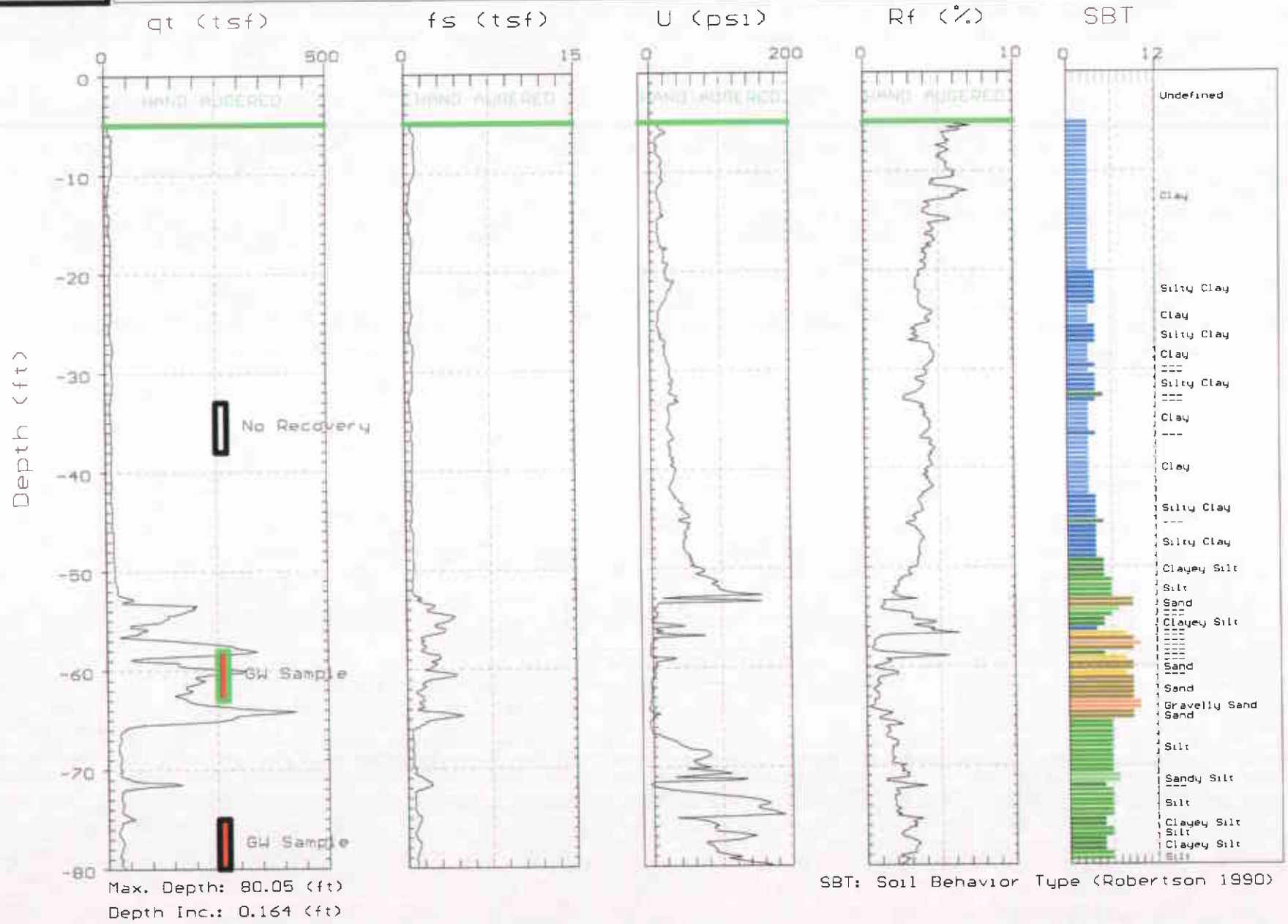
SBT: Soil Behavior Type (Robertson 1990)

GREGG

DELTA ENVIRONMENTAL

Site: 3790 HOPYARD
Location: CPT-11

Geologist: L. DOOLEY
Date: 02:17:05 09:50



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

APPENDIX PPDT

Pore Pressure Dissipation Tests (PPDT)

Pore Pressure Dissipation Tests (PPDT's) conducted at various intervals measured hydrostatic water pressures and determined the approximate depth of the ground water table. A PPDT is conducted when the cone is halted at specific intervals determined by the field representative. The variation of the penetration pore pressure (u) with time is measured behind the tip of the cone and recorded by a computer system.

Pore pressure dissipation data can be interpreted to provide estimates of:

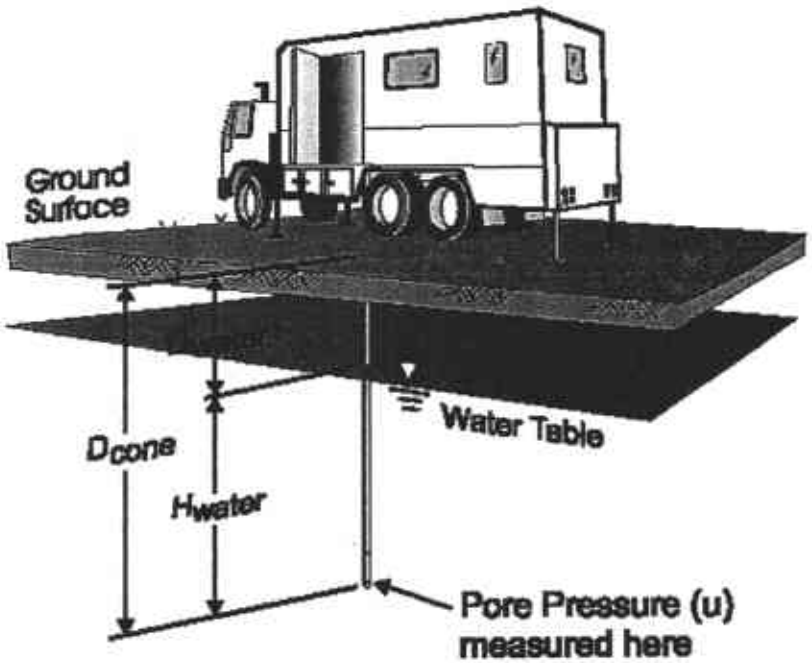
- Equilibrium piezometric pressure
- Phreatic Surface
- In situ horizontal coefficient of consolidation (c_h)
- In situ horizontal coefficient of permability (k_h)

In order to correctly interpret the equilibrium piezometric pressure and/or the phreatic surface, the pore pressure must be monitored until such time as there is no variation in pore pressure with time (refer to Figure PPD). This time is commonly referred to as t_{100}, the point at which 100% of the excess pore pressure has dissipated.

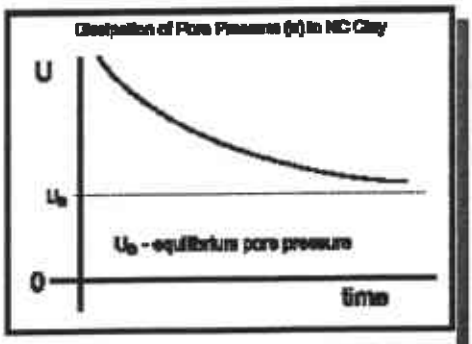
Interpretation of either c_h and k_h from dissipation results can be most easily achieved using either of two analytical approaches: cavity-expansion theory or the strain-path approach. Comparisons of the available solutions and results from field studies suggest that the cavity-expansion method of Torstensson (1977) and the strain-path approaches of Levadous (1980) and Teh (1987) all provide similar predications of consolidation parameters from CPTU dissipation data (Gillespie 1981; Kabir and Lutenegger 1990; Robertson et al. (1991). Robertson et al. (1991) have shown that these methods, although developed for normally consolidated soils, can be equally applied to overconsolidated soils. Furthermore, comparisons of field and laboratory data indicate that the trends in the measured (laboratory) and predicated (CPTU) data are consistent provided the micro fabric and nature of the soils being tested are taken into consideration. (Danziger 1990; Robertson et al. 1991).

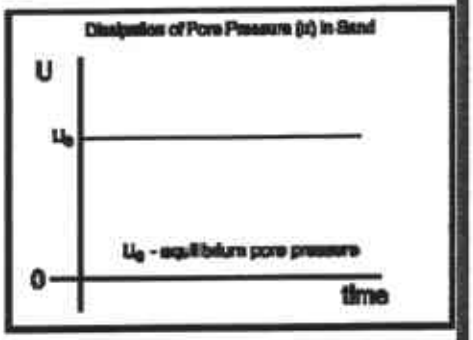
A complete reference on pore pressure dissipation tests is presented by Robertson et al. 1991.

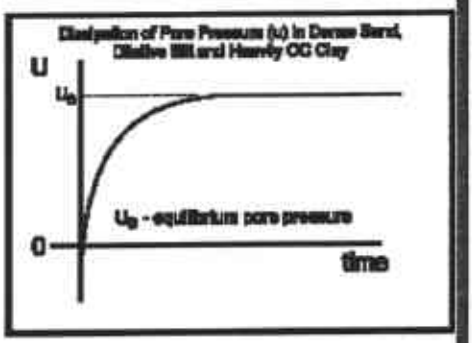
A summary of the pore pressure dissipation tests is summarized in Table 1.
Pore pressure dissipation data is presented in graphical form in Appendix PPDT.



D_{cone} - Depth of Cone
D_{water} - Depth to Water Table
H_{water} - Head of Water







Water Table Calculation

$$D_{water} = D_{cone} - H_{water}$$

where $H_{water} = U_e$ (depth units)

Useful Conversion Factors:

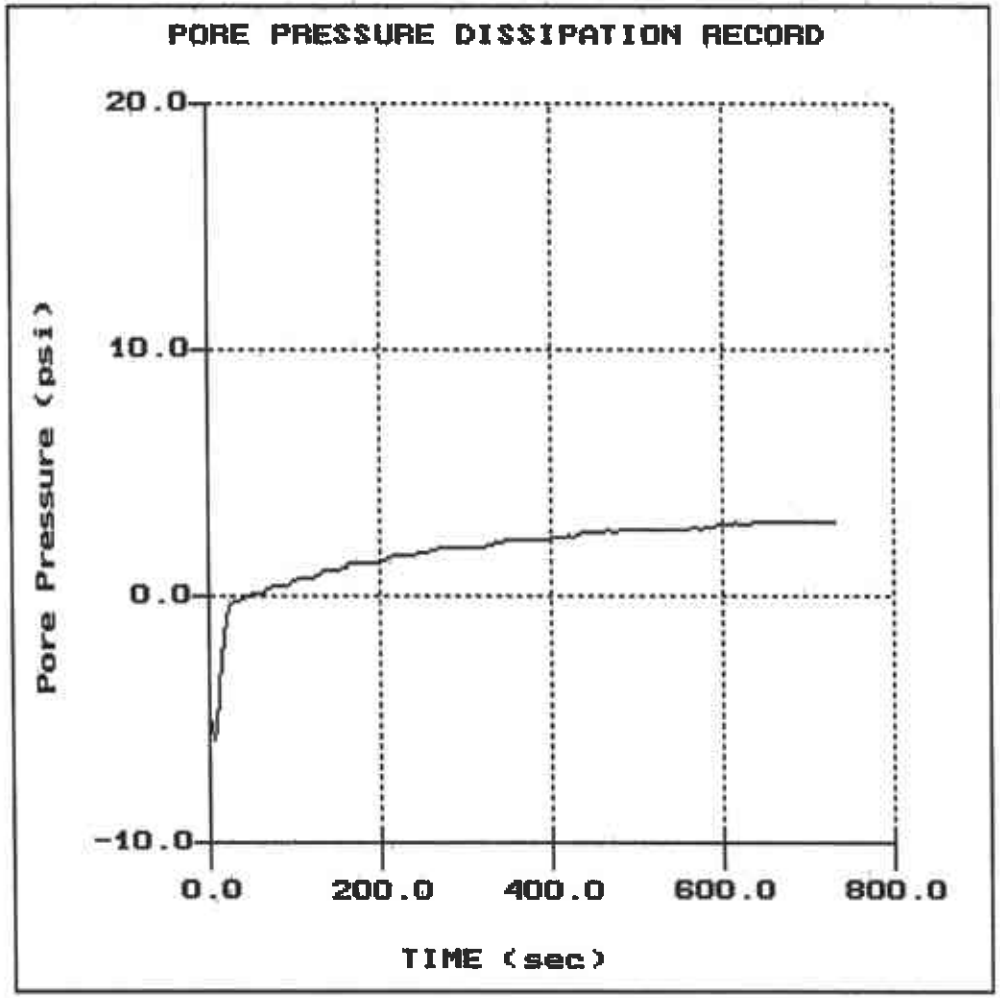
1psi = 0.704m = 2.31 feet (water)
1tsf = 0.958 bar = 13.9 psi
1m = 3.28 feet

Figure PPD

DELTA ENV.

Site: 3790 HOPYARD
Location: CPT-05

Geologist: L. DOOLEY
Date:02:15:05 14:12

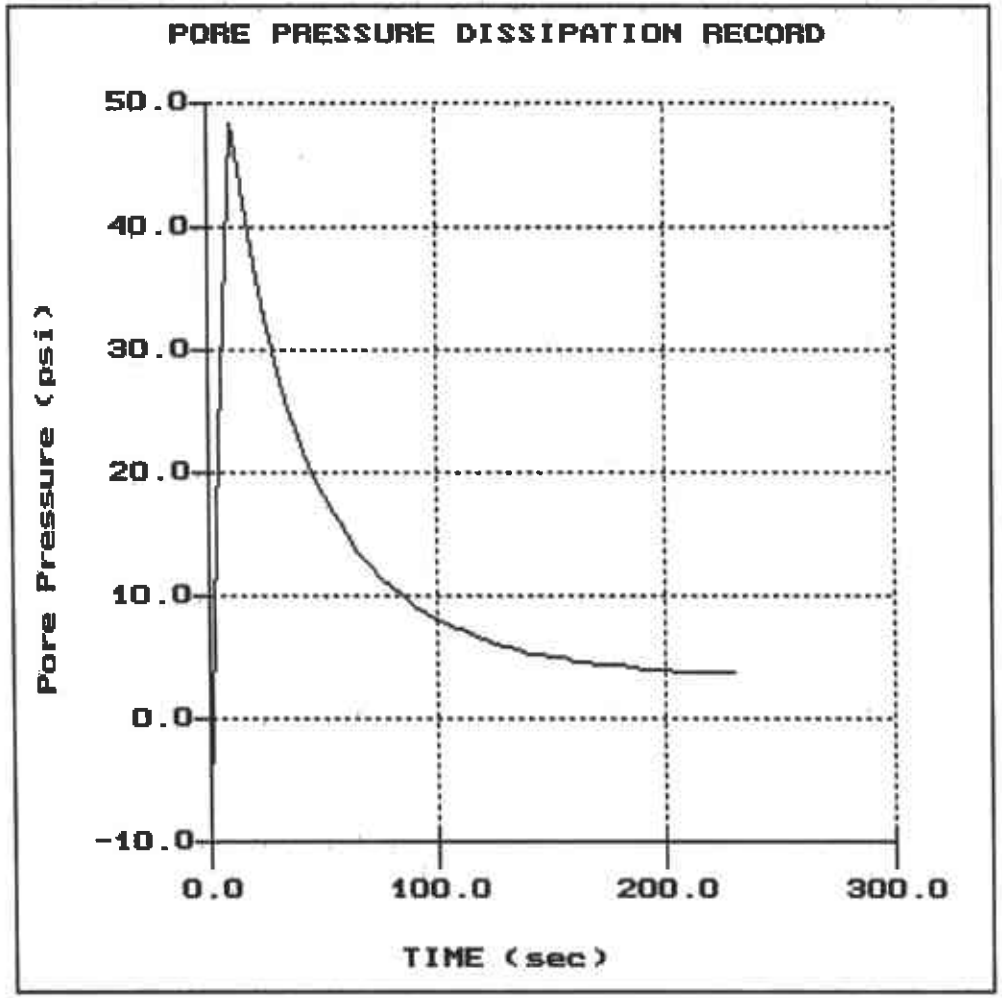


File: 055C05.PPC
Depth (m): 18.15
(ft): 59.55
Duration : 730.0s
U-min: -5.84 5.0s
U-max: 3.01 705.0s

DELTA ENV.

Site: 3790 HOPYARD
Location: CPT-06

Geologist: L. DOOLEY
Date:02:18:05 10:01

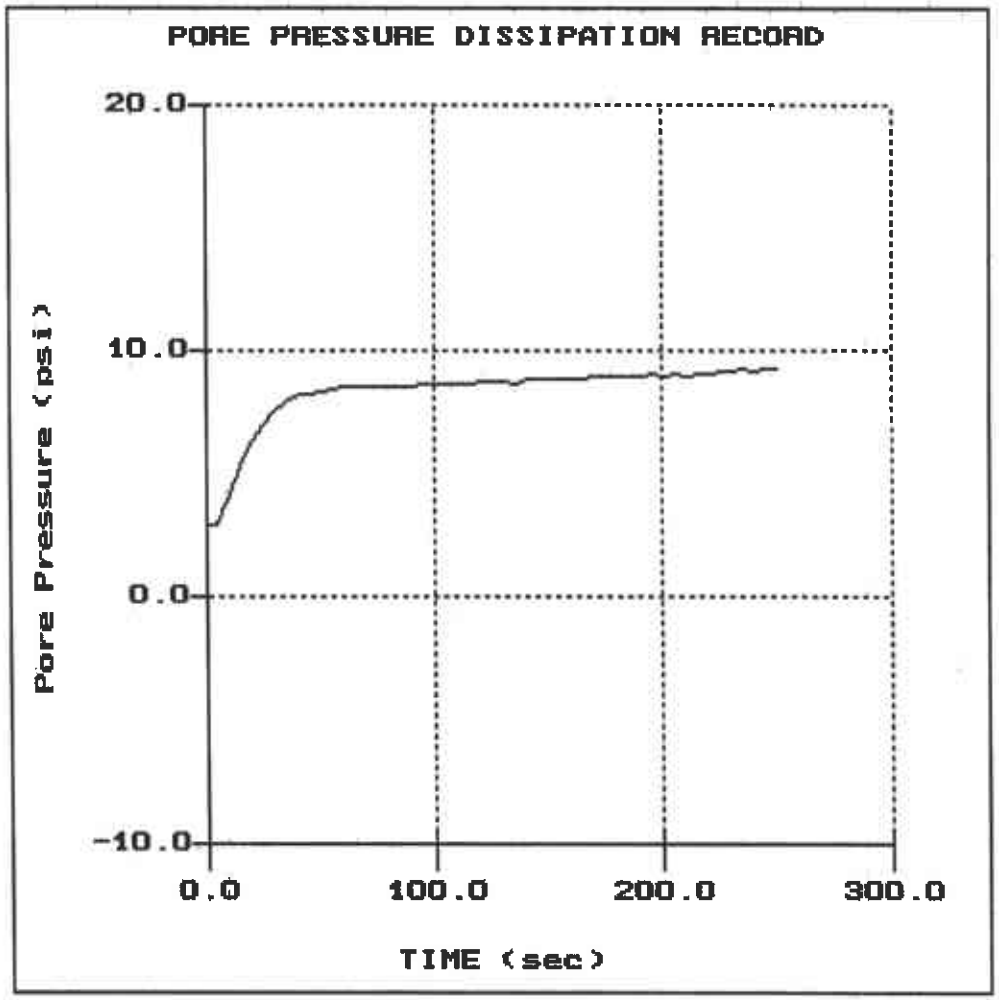


File: 055C06.PPC
Depth (m): 20.00
(ft): 65.62
Duration : 230.0s
U-min: -7.22 0.0s
U-max: 48.28 10.0s

DELTA ENV.

Site: 3790 HOPYARD
Location: CPT-07

Geologist: L. DODLEY
Date:02:16:05 08:20

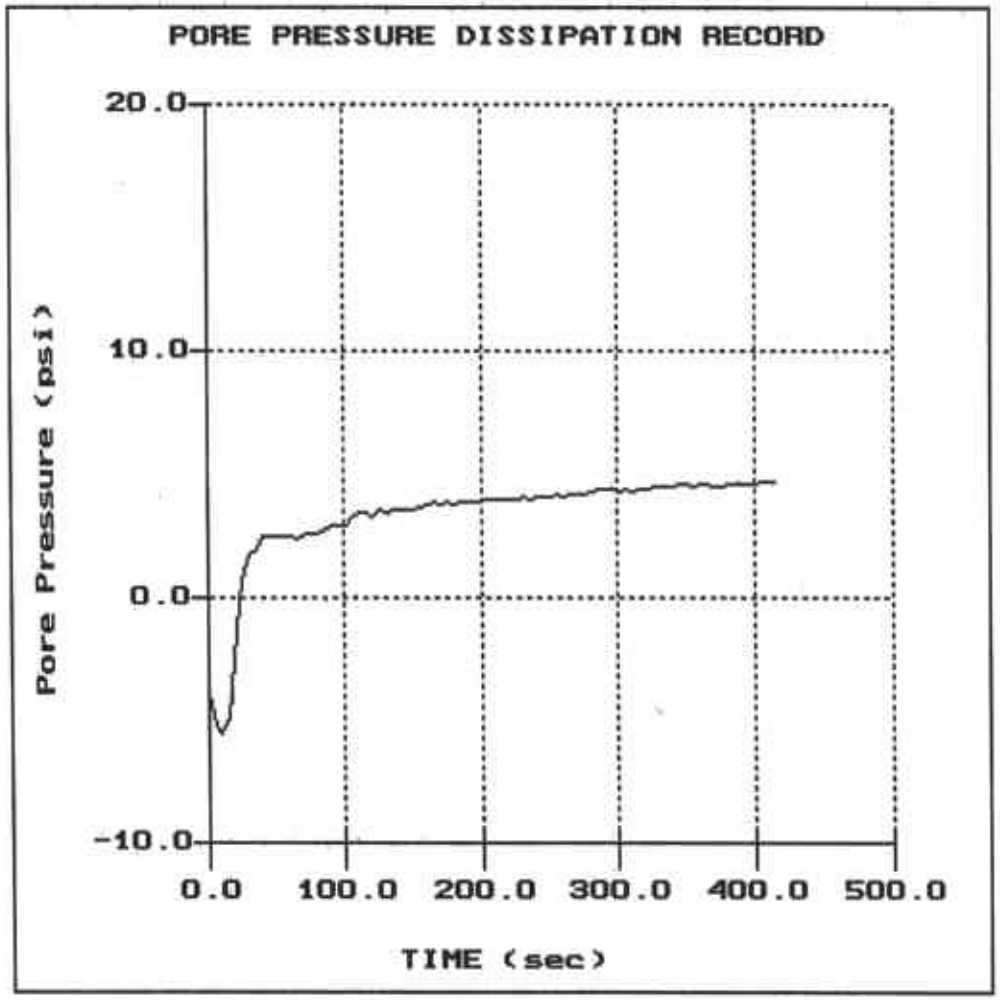


File: Q55C07.PPC
Depth (m): 23.85
(ft): 78.25
Duration : 250.0s
U-min: 2.89 5.0s
U-max: 9.26 250.0s

DELTA ENV.

Site: 3790 HOPYARD
Location: CPT-11

Geologist: L. DOOLEY
Date:02:17:05 09:50



File: 055C11.PPC
Depth (m): 19.35
(ft): 63.48
Duration : 415.0s
U-min: -5.53 10.0s
U-max: 4.66 410.0s

Groundwater Sampling (GWS)

Gregg In Situ, Inc. conducts groundwater sampling using a Hydropunch® type groundwater sampler, *Figure GWS*. The groundwater sampler has a retrievable stainless steel or disposable PVC screen with steel drop off tip. This allows for samples to be taken at multiple depth intervals within the same sounding location. In areas of slower water recharge, provisions may be made to set temporary PVC well screens during sampling to allow the drill rig to advance to the next sample location while the groundwater is allowed to infiltrate.

The groundwater sampler operates by advancing 1 ¾ inch hollow push rods with the filter tip in a closed configuration to the base of the desired sampling interval. Once at the desired sample depth, the push rods are retracted; exposing the encased filter screen and allowing groundwater to infiltrate hydrostatically from the formation into the inlet screen. A small diameter bailer (approximately ½ or ¾ inch) is lowered through the push rods into the screen section for sample collection. The number of downhole trips with the bailer and time necessary to complete the sample collection at each depth interval is a function of sampling protocols, volume requirements, and the yield characteristics and storage capacity of the formation. Upon completion of sample collection, the push rods and sampler, with the exception of the PVC screen and steel drop off tip are retrieved to the ground surface, decontaminated and prepared for the next sampling event.

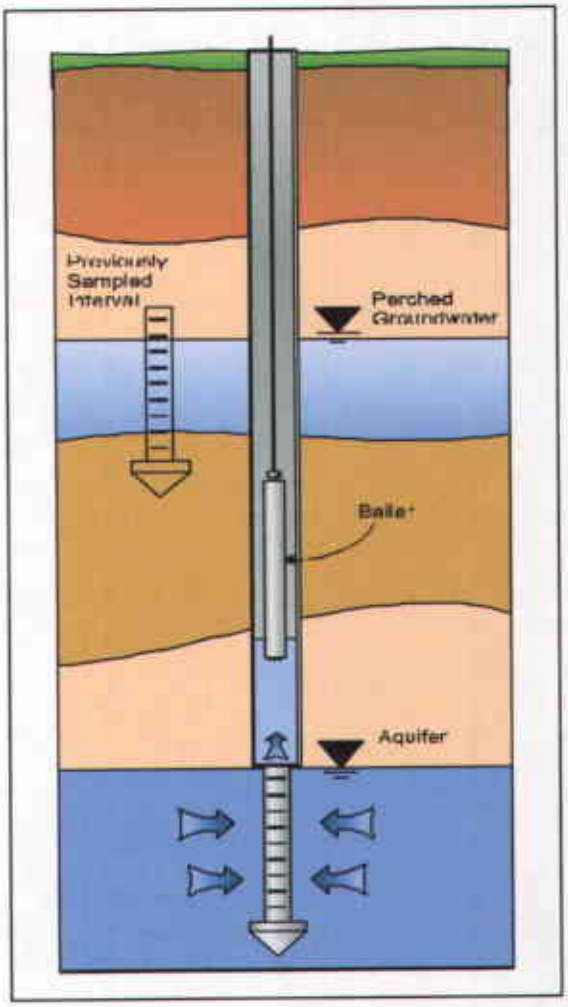


Figure GWS

A summary of the groundwater samples collected, including the sampling date, depth and location identification, is presented in Table 1 and the corresponding CPT plot.

For a detailed reference on direct push groundwater sampling, refer to Zemo et. al., 1992.

Soil Sampling (SS)

Gregg In Situ, Inc. uses a piston-type sampler to obtain relatively undisturbed soil samples without generating any soil cuttings, *Figure SS*. Two different types of samplers (12 and 18 inch) are used depending on the soil type and density. The soil sampler is initially pushed in a "closed" position to the desired sampling interval using a hydraulic rig. Keeping the sampler closed minimizes the potential of cross contamination caused by sloughing. The inner tip of the sampler is then retracted 12 inches (or 18 inches if using the longer sampler) leaving a hollow soil sampler with two inner 1¼ inch diameter by 6 inch or four 3 inch long soil sample tubes. If using the 18 inch sampler, two 1½ inch diameter by 6 inch long tubes will be exposed. The hollow sampler is then pushed in a locked "open" position to collect a soil sample. The filled sampler and push rods are then retrieved to the ground surface. Because the soil enters the sampler at a constant rate, the opportunity for 100% recovery is increased. For environmental analysis, the soil sample tube ends are sealed with Teflon and plastic caps. Often, a longer "split tube" can be used for geotechnical sampling.

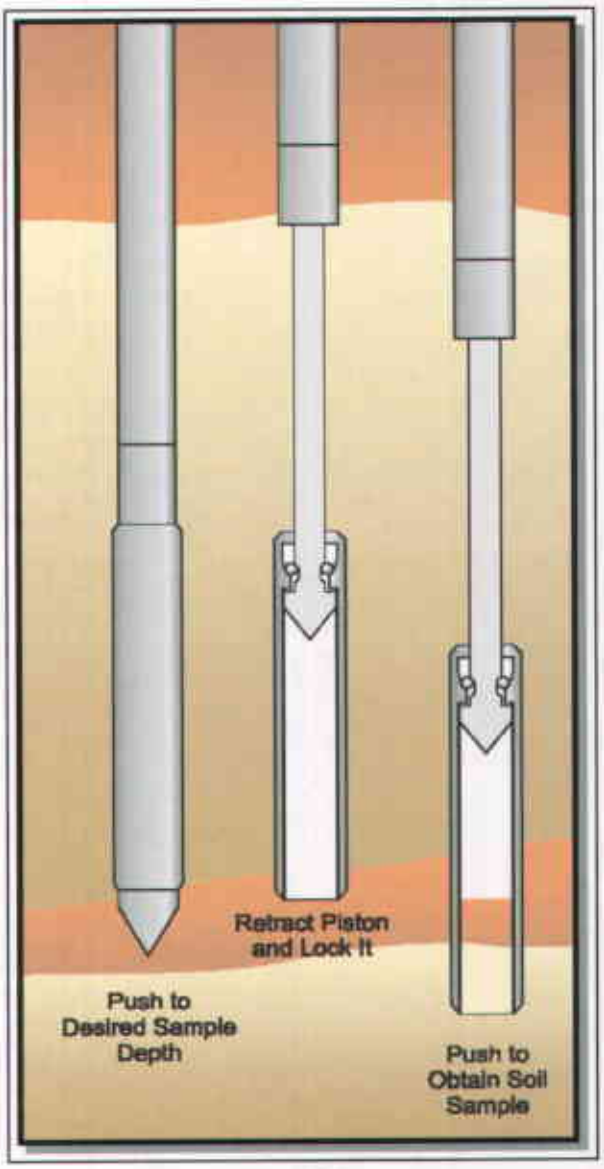


Figure SS

For a detailed reference on direct push soil sampling, refer to Robertson et al, 1998.

A summary of the soil samples collected, including the sampling date, depth and location identification, is presented in Table 1.

Gregg In Situ

Environmental and Geotechnical Site Investigation Contractors

Gregg In Situ Interpretations as of June 30, 2004 (Release 1.22A)

Gregg In Situ's interpretation routine provides a tabular output of geotechnical parameters based on current published CPT correlations and is subject to change to reflect the current state of practice. The interpreted values are not considered valid for all soil types. The interpretations are presented only as a guide for geotechnical use and should be carefully scrutinized for consideration in any geotechnical design. Reference to current literature is strongly recommended. Gregg In Situ does not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the program and does not assume liability for any use of the results in any design or review. Representative hand calculations should be made for any parameter that is critical for design purposes. The end user of the interpreted output should also be fully aware of the techniques and the limitations of any method used in this program. The purpose of this document is to inform the user as to which methods were used and what the appropriate papers and/or publications are for further reference.

The CPT interpretations are based on values of tip, sleeve friction and pore pressure averaged over a user specified interval (e.g. 0.20m). Note that q_t is the tip resistance corrected for pore pressure effects and q_c is the recorded tip resistance. Since all Gregg In Situ cones have equal end area friction sleeves, pore pressure corrections to sleeve friction, f_s, are not required.

The tip correction is: $q_t = q_c + (1-a) \bullet u_2$

where: q_t is the corrected tip resistance
q_c is the recorded tip resistance
u_2 is the recorded dynamic pore pressure behind the tip (u_2 position)
a is the Net Area Ratio for the cone (typically 0.85 for Gregg In Situ cones)

The total stress calculations are based on soil unit weights that have been assigned to the Soil Behavior Type zones, from a user defined unit weight profile or by using a single value throughout the profile. Effective vertical overburden stresses are calculated based on a hydrostatic distribution of equilibrium pore pressures below the water table or from a user defined equilibrium pore pressure profile (this can be obtained from CPT dissipation tests). For over water projects the effects of the column of water have been taken into account as has the appropriate unit weight of water. How this is done depends on where the instruments were zeroed (i.e. on deck or at mud line).

Details regarding the interpretation methods for all of the interpreted parameters are provided in Table 1. The appropriate references cited in Table 1 are listed in Table 2. Where methods are based on charts or techniques that are too complex to describe in this summary the user should refer to the cited material.

The estimated Soil Behavior Types (normalized and non-normalized) are based on the charts developed by Robertson and Campanella shown in Figures 1 and 2. The Bq classification charts are not reproduced in this document but can be reviewed in Lunne, Robertson and Powell (1997) or Robertson (1990).

Where the results of a calculation/interpretation are declared *'invalid'* the value will be represented by the text strings "-9999" or "-9999.0". In some cases the value 0 will be used. Invalid results will occur because of (and not limited to) one or a combination of:

1. Invalid or undefined CPT data (e.g. drilled out section or data gap).

2. Where the interpretation method is inappropriate, for example, drained parameters in an undrained material (and vice versa). The user must evaluate the site specific soil conditions and characteristics to properly apply the appropriate interpretation method.

3. Where interpretation input values are beyond the range of the referenced charts or specified limitations of the interpretation method.

4. Where pre-requisite or intermediate interpretation calculations are invalid.

The parameters selected for output from the program are often specific to a particular project. As such, not all of the interpreted parameters listed in Table 1 may be included in the output files delivered with this report.

The output files are in one format:

File Type	Typical Extensions	Description
Spreadsheet	XLS	IFI, NLI files exported directly to Excel format. Column and cell formatting has been done. Header information is exported to start in Column C allowing the depth columns A and/or B to be duplicated on each printed page without repetition of part of the header information.

Table 1
CPT Interpretation Methods

Interpreted Parameter	Description	Equation	Ref
Depth	Mid Layer Depth *(where interpretations are done at each point then Mid Layer Depth = Recorded Depth)*	*Depth (Layer Top) + Depth (Layer Bottom) / 2.0*	
Elevation	Elevation of Mid Layer based on sounding collar elevation supplied by client	Elevation = Collar Elevation – Depth	
Avgqc	Averaged recorded tip value (q_c)	$Avgqc = \frac{1}{n}\sum_{i=1}^{n} q_c$ *n=1 when interpretations are done at each point*	
Avgqt	Averaged corrected tip (q_t) where: $q_t = q_c + (1-a) \bullet u$	$Avgqt = \frac{1}{n}\sum_{i=1}^{n} q_t$ *n=1 when interpretations are done at each point*	
Avgfs	Averaged sleeve friction (f_s)	$Avgfs = \frac{1}{n}\sum_{i=1}^{n} fs$ *n=1 when interpretations are done at each point*	
AvgRf	Averaged friction ratio (Rf) where friction ratio is defined as: $Rf = 100\% \bullet \frac{fs}{qt}$	$AvgRf = 100\% \bullet \frac{Avgfs}{Avgqt}$ *n=1 when interpretations are done at each point*	
Avgu	Averaged dynamic pore pressure *(u)*	$Avgu = \frac{1}{n}\sum_{i=1}^{n} u_i$ *n=1 when interpretations are done at each point*	
AvgRes	Averaged Resistivity (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} RESISTIVITY_i$ *n=1 when interpretations are done at each point*	
AvgUVIF	Averaged UVIF ultra-violet induced fluorescence (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} UVIF_i$ *n=1 when interpretations are done at each point*	
AvgTemp	Averaged Temperature (this data is not always available since it is a specialized test)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} TEMPERATURE_i$ *n=1 when interpretations are done at each point*	

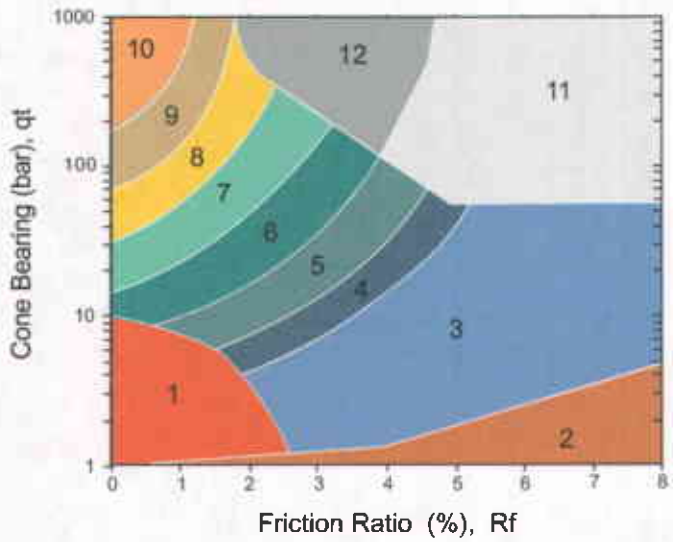
Interpreted Parameter	Description	Equation	Ref
AvgGamma	Averaged Gamma Counts (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} GAMMA$ *n=1 when interpretations are done at each point*	
SBT	Soil Behavior Type as defined by Robertson and Campanella	See Figure 1	2, 5
SBTn	Normalized Soil Behavior Type as defined by Robertson and Campanella	See Figure 2	2, 5
SBT-BQ	Non-normalized soil behavior type based on the Bq parameter	See Figure 5.7 (reference 5)	2, 5
SBT-BQn	Normalized Soil Behavior base on the Bq parameter	See Figure 5.8 (reference 5) or Figure 3 (reference 2)	2, 5
k	Coefficient of permeability (assigned to each SBT zone)		5
U.Wt.	Unit Weight of soil determined from one of the following user selectable options: 1) uniform value 2) value assigned to each SBT zone 3) user supplied unit weight profile	See references	5
T. Stress σ_v	Total vertical overburden stress at Mid Layer Depth. *A layer is defined as the averaging interval specified by the user. For data interpreted at each point the Mid Layer Depth is the same as the recorded depth.*	$TStress = \sum_{i=1}^{n} \gamma_i h_i$ where γ_i is layer unit weight h_i is layer thickness	
Ueq	Equilibrium pore pressure determined from one of the following user selectable options: 1) hydrostatic from water table depth 2) user supplied profile	For hydrostatic option: $u_{eq} = \gamma_w \bullet (D - D_{wt})$ where u_{eq} is equilibrium pore pressure γ_w is unit weight of water D is the current depth D_{wt} is the depth to the water table	
E. Stress σ'_v	Effective vertical overburden stress at Mid Layer Depth	$Estress = Tstress - u_{eq}$	
Cn	SPT N_{60} overburden correction factor	$Cn = (\sigma'_v)^{-0.5}$ where σ'_v *is in tsf* $0.5 < C_n < 2.0$	
N_{60}	SPT N value at 60% energy calculated from qt/N ratios assigned to each SBT zone. This method has abrupt N value changes at zone boundaries.	*See Figure 1*	4, 5
$(N_1)_{60}$	SPT N_{60} value corrected for overburden pressure	$(N_1)_{60} = Cn \bullet N_{60}$	4
N_{60}Ic	SPT N_{60} values based on the Ic parameter	(qt/pa)/ N_{60} = 8.5 (1 – Ic/4.6)	5
$(N_1)_{60}$Ic	SPT N_{60} value corrected for overburden pressure (using N_{60} Ic). User has 2 options.	1) $(N_1)_{60}Ic = Cn \bullet (N_{60}Ic)$ 2) q_{c1n}/ $(N_1)_{60}Ic$ = 8.5 (1 – Ic/4.6)	4 5
$(N_1)_{60cs}$Ic	Clean sand equivalent SPT $(N_1)_{60}$Ic. User has 3 options.	1) $(N_1)_{60cs}Ic = a + ß((N_1)_{60}Ic)$ 2) $(N_1)_{60cs}Ic = K_{SFT} * ((N_1)_{60}Ic)$ 3) q_{c1ncs}/ $(N_1)_{60cs}Ic$ = 8.5 (1 – Ic/4.6) FC = 5%: a = 0, ß=1.0 FC = 35% a = 5.0, ß=1.2 5% < FC < 35% a = exp[1.76 – (190/FC^2)] ß = [0.99 + ($FC^{1.5}$/1000)]	10 10 5

Interpreted Parameter	Description	Equation	Ref
Q_t	Normalized q_t for Soil Behavior Type classification as defined by Robertson, 1990	$Qt = \frac{qt - \sigma_v}{\sigma'_v}$	2, 5
F_r	Normalized Friction Ratio for Soil Behavior Type classification as defined by Robertson, 1990	$Fr = 100\% \bullet \frac{fs}{qt - \sigma_v}$	2, 5
Bq	Pore pressure parameter	$Bq = \frac{\Delta u}{qt - \sigma_v}$ where: $\Delta u = u - u_{eq}$ and u = dynamic pore pressure u_{eq} = equilibrium pore pressure	1, 5
I_c	Soil index for estimating grain characteristics	$Ic = [(3.47 - \log_{10}Q)^2 + (\log_{10}Fr + 1.22)^2]^{0.5}$ Where: $Q = \left(\frac{qt - \sigma_v}{P_{a2}}\right)\left(\frac{P_a}{\sigma'_v}\right)^n$ And Fr is in percent P_a = atmospheric pressure P_{a2} = atmospheric pressure n varies from 0.5 to 1.0 and is selected in an iterative manner based on the resulting I_c	3, 8
FC	Apparent fines content (%)	$FC = 1.75(Ic^{3.25}) - 3.7$ $FC = 100$ for $Ic > 3.5$ $FC = 0$ for $Ic < 1.26$ $FC = 5\%$ if $1.64 < Ic < 2.36$ AND $F_r < 0.5$	3
Ic Zone	This parameter is the Soil Behavior Type zone based on the Ic parameter (valid for zones 2 through 7 on SBTn chart)	Ic < 1.31 Zone = 7 1.31 < Ic < 2.05 Zone = 6 2.05 < Ic < 2.60 Zone = 5 2.60 < Ic < 2.95 Zone = 4 2.95 < Ic < 3.60 Zone = 3 Ic > 3.60 Zone = 2	3
Dr	Relative Density determined from one of the following user selectable options: a) Ticino Sand b) Hokksund Sand c) Schmertmann 1976 d) Jamiolkowski - All Sands	See reference	5
PHI ϕ	Friction Angle determined from one of the following user selectable options: a) Campanella and Robertson b) Durgunoglu and Mitchel c) Janbu	See reference	5
State Parameter	The state parameter is used to describe whether a soil is contractive (SP is positive) or dilative (SP is negative) at large strains based on the work by Been and Jefferies	See reference	8, 6, 5
Es/qt	Intermediate parameter for calculating Youngs Modulus, E, in sands. It is the Y axis of the reference chart.	Based on Figure 5.59 in the reference	5

Interpreted Parameter	Description	Equation	Ref
Youngs Modulus E	Youngs Modulus based on the work by Baldi. There are three types of sands considered in this technique. The user selects the appropriate type for the site from: a) OC Sands b) Aged NC Sands c) Recent NC Sands Each sand type has a family of curves that depend on mean normal stress. The program calculates mean normal stress and linearly interpolates between the two extremes provided in Baldi's chart.	Mean normal stress is evaluated from: $\sigma'_m = \frac{1}{3} \bullet (\sigma'_v + \sigma'_h + \sigma'_h)$ where σ_v'= vertical effective stress σ_h'= horizontal effective stress and $\sigma_h = K_o * \sigma'_v$ with Ko assumed to be 0.5	5
Su	Undrained shear strength - N_{kt} is user selectable	$Su = \frac{qt - \sigma_v}{N_{kt}}$	1, 5
OCR	Over Consolidation Ratio	a) Based on Schmertmann's method involving a plot of $S_u/\sigma_v' / (S_u/\sigma_v')_{NC}$ and OCR where the Su/p' ratio for NC clay is user selectable	9

The following parameters are not presented but may be interpreted for use in liquefaction analysis. Further detailed interpretation may be completed by using the Liquefaction Spreadsheet following the committee recommendations of the NCEER. This Spreadsheet is available for purchase. A promotional document is presented in the Interpretations directory on the Data Disk with this report.

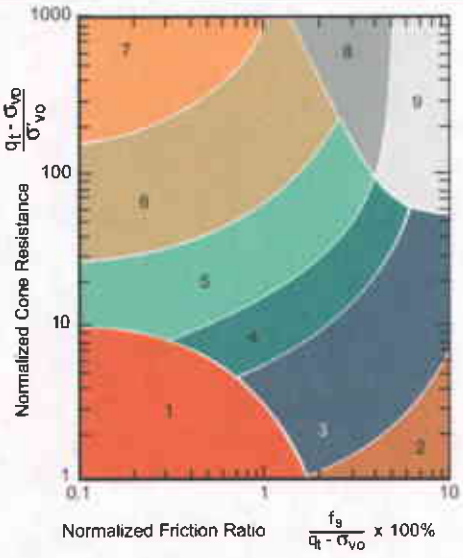
Interpreted Parameter	Description	Equation	Ref
q_{c1}	q_t normalized for overburden stress used for seismic analysis	$q_{c1} = q_t \bullet (Pa/\sigma_v')^{0.5}$ where: Pa = atm. Pressure q_t is in Mpa	3
q_{c1n}	q_{c1} in dimensionless form used for seismic analysis	$q_{c1n} = (q_{c1} / Pa)(Pa/\sigma_v')$ where: Pa = atm. Pressure and n ranges from 0.5 to 0.75 based on Ic.	3
K_{SPT}	Equivalent clean sand factor for $(N_1)60$	$K_{SPT} = 1 + ((0.75/30) * (FC - 5))$	10
K_{CPT}	Equivalent clean sand correction for q_{c1N}	$K_{cpt} = 1.0$ for $I_c \leq 1.64$ $K_{cpt} = f(I_c)$ for $I_c > 1.64$ (see reference)	10
q_{c1ncs}	Clean sand equivalent q_{c1n}	$q_{c1ncs} = q_{c1n} \bullet K_{cpt}$	3
CRR	Cyclic Resistance Ratio (for Magnitude 7.5)	$q_{c1ncs} < 50$: $CRR_{7.5} = 0.833 [(q_{c1ncs}/1000] + 0.05$ $50 \leq q_{c1ncs} < 160$: $CRR_{7.5} = 93 [(q_{c1ncs}/1000]^3 + 0.08$	10
CSR	Cyclic Stress Ratio	$CSR = (\tau_{av}/\sigma_v') = 0.65 (a_{max}/g) (\sigma_v/\sigma_v') r_d$ $r_d = 1.0 - 0.00765\ z$ $z \leq 9.15m$ $r_d = 1.174 - 0.0267\ z$ $9.15 < z \leq 23m$ $r_d = 0.744 - 0.008\ z$ $23 < z \leq 30m$ $r_d = 0.50$ $z > 30m$	10
MSF	Magnitude Scaling Factor	See Reference	10
FofS	Factor of Safety against Liquefaction	$FS = (CRR_{7.5} / CSR)\ MSF$	10
Liquefaction Status	Statement indicating possible liquefaction	Takes into account FofS and limitations based I_c and q_{c1ncs}.	10



Zone	qt / N	Soil Behavior Type
1	2	sensitive fine grained
2	1	organic material
3	1	clay
4	1.5	silty clay to clay
5	2	clayey silt to silty clay
6	2.5	sandy silt to clayey silt
7	3	silty sand to sandy silt
8	4	sand to silty sand
9	5	sand
10	6	gravelly sand to sand
11	1	very stiff fine grained *
12	2	sand to clayey sand *

* overconsolidated or cemented

Figure 1 Non-Normalized Behavior Type Classification Chart



Zone	Normalized Soil Behavior Type
1	sensitive fine grained
2	organic material
3	clay to silty clay
4	clayey silt to silty clay
5	silty sand to sandy silt
6	clean sands to silty sands
7	gravelly sand to sand
8	very stiff sand to clayey sand
9	very stiff fine grained

Figure 2 Normalized Behavior Type Classification Chart

Table 2 References

No.	References
1	Robertson, P.K., Campanella, R.G., Gillespie, D. and Greig, J., 1986, "Use of Piezometer Cone Data", Proceedings of InSitu 86, ASCE Specialty Conference, Blacksburg, Virginia.
2	Robertson, P.K., 1990, "Soil Classification Using the Cone Penetration Test", Canadian Geotechnical Journal, Volume 27.
3	Robertson, P.K. and Fear, C.E., 1998, "Evaluating cyclic liquefaction potential using the cone penetration test", Canadian Geotechnical Journal, 35: 442-459.
4	Robertson, P.K. and Wride, C.E., 1998, "Cyclic Liquefaction and its Evaluation Based on SPT and CPT", NCEER Workshop Paper, January 22, 1997
5	Lunne, T., Robertson, P.K. and Powell, J. J. M., 1997, " Cone Penetration Testing in Geotechnical Practice," Blackie Academic and Professional.
6	Plewes, H.D., Davies, M.P. and Jefferies, M.G., 1992, "CPT Based Screening Procedure for Evaluating Liquefaction Susceptibility", 45th Canadian Geotechnical Conference, Toronto, Ontario, October 1992.
7	Jefferies, M.G. and Davies, M.P., 1993. "Use of CPTu to Estimate equivalent N_{60}", Geotechnical Testing Journal, 16(4): 458-467.
8	Been, K. and Jefferies, M.P., 1985, "A state parameter for sands", Geotechnique, 35(2), 99-112.
9	Schmertmann, 1977, "Guidelines for Cone Penetration Test Performance and Design", Federal Highway Administration Report FHWA-TS-78-209, U.S. Department of Transportation
10	Proceedings of theNCEER Workshop on Evaluation of Liquefaction Resistance of Soils, Salt LakeCity, 1996. Chaired by Leslie Youd.

Attachment G

SOIL ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

SEVERN TRENT STL

Submission#: 2005-02-0591

Delta Env. Consultants San Jose

March 07, 2005

175 Bernal Rd., Suite 200
San Jose, CA 95119

Attn.: Lee Dooley

Project#: SJ3750H-1.2005
Project: 98995842
Site: 3790 Hopyard Rd., Pleasanton, CA

Attached is our report for your samples received on 02/18/2005 15:50
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 04/04/2005 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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2005-02-0591

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CPT-3 25`	02/15/2005 10:30	Soil	1
CPT-3 35`	02/15/2005 10:45	Soil	2
CPT-3 45`	02/15/2005 11:30	Soil	3
CPT-5 25`	02/18/2005 07:50	Soil	4
CPT-5 35`	02/18/2005 08:05	Soil	5
CPT-5 45`	02/18/2005 08:40	Soil	6

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-3 25'**	Lab ID:	2005-02-0591 - 1
Sampled:	02/15/2005 10:30	Extracted:	2/24/2005 18:23
Matrix:	Soil	QC Batch#:	2005/02/24-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/24/2005 18:23	
Benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 18:23	
Toluene	ND	0.0050	mg/Kg	1.00	02/24/2005 18:23	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 18:23	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/24/2005 18:23	
tert-Butyl alcohol (TBA)	0.33	0.010	mg/Kg	1.00	02/24/2005 18:23	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/24/2005 18:23	
Surrogate(s)						
1,2-Dichloroethane-d4	107.9	76-124	%	1.00	02/24/2005 18:23	
Toluene-d8	105.6	75-116	%	1.00	02/24/2005 18:23	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-3 35'**	Lab ID:	2005-02-0591 - 2
Sampled:	02/15/2005 10:45	Extracted:	2/24/2005 18:49
Matrix:	Soil	QC Batch#:	2005/02/24-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/24/2005 18:49	
Benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 18:49	
Toluene	ND	0.0050	mg/Kg	1.00	02/24/2005 18:49	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 18:49	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/24/2005 18:49	
tert-Butyl alcohol (TBA)	0.56	0.010	mg/Kg	1.00	02/24/2005 18:49	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/24/2005 18:49	
Surrogate(s)						
1,2-Dichloroethane-d4	107.2	76-124	%	1.00	02/24/2005 18:49	
Toluene-d8	107.6	75-116	%	1.00	02/24/2005 18:49	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-3 45`**
Sampled: 02/15/2005 11:30
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-02-0591 - 3
Extracted: 2/24/2005 17:04
QC Batch#: 2005/02/24-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/24/2005 17:04	
Benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 17:04	
Toluene	ND	0.0050	mg/Kg	1.00	02/24/2005 17:04	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 17:04	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/24/2005 17:04	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/24/2005 17:04	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/24/2005 17:04	
Surrogate(s)						
1,2-Dichloroethane-d4	114.6	76-124	%	1.00	02/24/2005 17:04	
Toluene-d8	105.5	75-116	%	1.00	02/24/2005 17:04	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-5 25'**
Sampled: 02/18/2005 07:50
Matrix: Soil

Test(s): 8260B
Lab ID: 2005-02-0591 - 4
Extracted: 2/24/2005 19:16
QC Batch#: 2005/02/24-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/24/2005 19:16	
Benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 19:16	
Toluene	ND	0.0050	mg/Kg	1.00	02/24/2005 19:16	
Ethyl benzene	0.018	0.0050	mg/Kg	1.00	02/24/2005 19:16	
Total xylenes	0.020	0.0050	mg/Kg	1.00	02/24/2005 19:16	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/24/2005 19:16	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/24/2005 19:16	
Surrogate(s)						
1,2-Dichloroethane-d4	104.6	76-124	%	1.00	02/24/2005 19:16	
Toluene-d8	111.4	75-116	%	1.00	02/24/2005 19:16	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-5 35'**	Lab ID:	2005-02-0591 - 5
Sampled:	02/18/2005 08:05	Extracted:	2/24/2005 19:46
Matrix:	Soil	QC Batch#:	2005/02/24-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/24/2005 19:46	
Benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 19:46	
Toluene	ND	0.0050	mg/Kg	1.00	02/24/2005 19:46	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 19:46	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/24/2005 19:46	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/24/2005 19:46	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/24/2005 19:46	
Surrogate(s)						
1,2-Dichloroethane-d4	111.6	76-124	%	1.00	02/24/2005 19:46	
Toluene-d8	103.9	75-116	%	1.00	02/24/2005 19:46	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Test(s): 8260B
Sample ID: **CPT-5 45'**
Lab ID: 2005-02-0591 - 6
Sampled: 02/18/2005 08:40
Extracted: 2/24/2005 20:12
Matrix: Soil
QC Batch#: 2005/02/24-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/24/2005 20:12	
Benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 20:12	
Toluene	ND	0.0050	mg/Kg	1.00	02/24/2005 20:12	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/24/2005 20:12	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/24/2005 20:12	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/24/2005 20:12	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/24/2005 20:12	
Surrogate(s)						
1,2-Dichloroethane-d4	104.7	76-124	%	1.00	02/24/2005 20:12	
Toluene-d8	104.3	75-116	%	1.00	02/24/2005 20:12	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Soil** — **QC Batch # 2005/02/24-2A.62**

MB: 2005/02/24-2A.62-032 — Date Extracted: 02/24/2005 16:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	02/24/2005 16:32	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/24/2005 16:32	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	02/24/2005 16:32	
Benzene	ND	0.0050	mg/Kg	02/24/2005 16:32	
Toluene	ND	0.0050	mg/Kg	02/24/2005 16:32	
Ethyl benzene	ND	0.0050	mg/Kg	02/24/2005 16:32	
Total xylenes	ND	0.0050	mg/Kg	02/24/2005 16:32	
Surrogates(s)					
1,2-Dichloroethane-d4	112.2	76-124	%	02/24/2005 16:32	
Toluene-d8	95.6	75-116	%	02/24/2005 16:32	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2005/02/24-2A.62**

LCS 2005/02/24-2A.62-005 Extracted: 02/24/2005 Analyzed: 02/24/2005 16:05

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0405		0.05	81.0			65-165	20		
Benzene	0.0462		0.05	92.4			69-129	20		
Toluene	0.0434		0.05	86.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	495		500	99.0			76-124			
Toluene-d8	530		500	106.0			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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2005/02/24-2A.62**

CPT-3 45' >> MS

Lab ID: 2005-02-0591 - 003

MS: 2005/02/24-2A.62-033 Extracted: 02/24/2005 Analyzed: 02/24/2005 17:31

Dilution: 1.00

MSD: 2005/02/24-2A.62-034 Extracted: 02/24/2005 Analyzed: 02/24/2005 17:57

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0420	0.0422	ND	0.047348	88.8	85.3	4.0	65-165	20		
Benzene	0.0519	0.0497	ND	0.047348	109.7	100.4	8.9	69-129	20		
Toluene	0.0478	0.0473	ND	0.047348	101.1	95.6	5.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	496	501		500	99.2	100.2		76-124			
Toluene-d8	558	511		500	111.6	102.2		75-116			

Shell Chain Of Custody Record

182004

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ DOWNSTREAM

Karen Petryna

Delta Environmental Consultants

2005-02-0591

9 8 9 9 5 8 4 2

12/30/2005 2-16-05

PAGE: 1 of 1

SAMPLER COMPANY: Delta Environmental Consultants, Inc.

LOG CODE:

SITE ADDRESS (Street and City): 3790 Hopyard Rd., Pleasanton, CA

GLOBAL ID NO.: T0600101257

ADDRESS: 175 Bernal Rd, Suite 200, San Jose CA, 95119

EDF DELIVERABLE TO (Responsible Party or Designee): Vera Fischer

PHONE NO.: 928-468-6417

E-MAIL: vfischer@deltaenv.com

CONSULTANT PROJECT NO.: SJ3750H-1.2005

PROJECT CONTACT (Hardcopy or PDF Report to): Lee Dooley

TELEPHONE: (408) 224-4724

FAX: (408) 656-2505

E-MAIL: ldooley@deltaenv.com

Sampled by: Lee Dooley/Rebecca Wolff

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

email results to: vfischer@deltaenv.com and ldooley@deltaenv.com

REQUESTED ANALYSIS

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

4°C

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	5 Oxygenates	EDB and EDC	PCB's	S-VOC's by 8270	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Motor Oil	TEMPERATURE ON RECEIPT C°
	CPT-3 25'	2/15/05	10:30	S	1	X		X	X	X											
	CPT-3 35'	2/15	10:45	S	1	X		X	X	X											
	CPT-3 45'	2/15	11:30	S	1	X		X	X	X											
	CPT-5 25'	2/18/05	7:50	S	1	X		X	X	X											
	CPT-5 35'	2/18/05	9:05	S	1	X		X	X	X											
	CPT-5 45'	2/18/05	9:40	S	1	X		X	X	X											
						X		X	X	X											
						X		X	X	X											
						X		X	X	X											
						X		X	X	X											

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Rebecca Wolff		02/18/05	1550
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Attachment H

GROUNDWATER ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

Attachment H

GROUNDWATER ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

SEVERN TRENT STL

Submission#: 2005-02-0592

Delta Env. Consultants San Jose

March 07, 2005

175 Bernal Rd., Suite 200
San Jose, CA 95119

Attn.: Lee Dooley

Project#: SJ3750H-1.2005
Project: 98995842
Site: 3790 Hopyard Rd., Pleasanton, CA

Attached is our report for your samples received on 02/18/2005 15:50
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 04/04/2005 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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2005-02-0592

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CPT-4 55-60`	02/16/2005 10:46	Water	1
CPT-4 70-74`	02/16/2005 11:16	Water	2
CPT-8 60-63`	02/16/2005 13:40	Water	3
CPT-8 75-80`	02/16/2005 14:14	Water	4
CPT-7 20-35`	02/16/2005 14:40	Water	5
CPT-7 60-63`	02/16/2005 15:10	Water	6
CPT-7 75-80`	02/16/2005 15:40	Water	7
CPT-11 @ 63	02/17/2005 11:30	Water	8
CPT-11 70-74	02/17/2005 11:48	Water	9
CPT-10 35-38	02/17/2005 13:12	Water	10
CPT-10 62-64	02/17/2005 13:54	Water	11
CPT-10 76-80	02/17/2005 14:44	Water	12
CPT-5 59-62	02/18/2005 09:00	Water	13
CPT-5 76-80	02/18/2005 09:23	Water	14
CPT-6 59-63	02/18/2005 11:34	Water	15
CPT-6 75-78	02/18/2005 11:56	Water	16
CPT-9 58-62	02/18/2005 14:22	Water	17
CPT-9 74-77	02/18/2005 14:48	Water	18

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-4 55-60`**	Lab ID:	2005-02-0592 - 1
Sampled:	02/16/2005 10:46	Extracted:	2/25/2005 13:06
Matrix:	Water	QC Batch#:	2005/02/25-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 13:06	
Benzene	1.2	0.50	ug/L	1.00	02/25/2005 13:06	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 13:06	
Ethylbenzene	3.0	0.50	ug/L	1.00	02/25/2005 13:06	
Total xylenes	3.0	1.0	ug/L	1.00	02/25/2005 13:06	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 13:06	
Methyl tert-butyl ether (MTBE)	0.54	0.50	ug/L	1.00	02/25/2005 13:06	
Surrogate(s)						
1,2-Dichloroethane-d4	116.3	73-130	%	1.00	02/25/2005 13:06	
Toluene-d8	98.4	81-114	%	1.00	02/25/2005 13:06	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-4 70-74`**
Sampled: 02/16/2005 11:16
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0592 - 2
Extracted: 2/25/2005 13:32
QC Batch#: 2005/02/25-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 13:32	Q6
Benzene	ND	0.50	ug/L	1.00	02/25/2005 13:32	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 13:32	
Ethylbenzene	1.1	0.50	ug/L	1.00	02/25/2005 13:32	
Total xylenes	1.3	1.0	ug/L	1.00	02/25/2005 13:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 13:32	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 13:32	
Surrogate(s)						
1,2-Dichloroethane-d4	115.9	73-130	%	1.00	02/25/2005 13:32	
Toluene-d8	95.8	81-114	%	1.00	02/25/2005 13:32	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-8 60-63`**	Lab ID:	2005-02-0592 - 3
Sampled:	02/16/2005 13:40	Extracted:	2/25/2005 13:56
Matrix:	Water	QC Batch#:	2005/02/25-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 13:56	
Benzene	ND	0.50	ug/L	1.00	02/25/2005 13:56	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 13:56	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 13:56	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 13:56	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 13:56	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 13:56	
Surrogate(s)						
1,2-Dichloroethane-d4	118.9	73-130	%	1.00	02/25/2005 13:56	
Toluene-d8	99.5	81-114	%	1.00	02/25/2005 13:56	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-8 75-80'**	Lab ID:	2005-02-0592 - 4
Sampled:	02/16/2005 14:14	Extracted:	2/25/2005 14:21
Matrix:	Water	QC Batch#:	2005/02/25-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 14:21	
Benzene	ND	0.50	ug/L	1.00	02/25/2005 14:21	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 14:21	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 14:21	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 14:21	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 14:21	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 14:21	
Surrogate(s)						
1,2-Dichloroethane-d4	112.1	73-130	%	1.00	02/25/2005 14:21	
Toluene-d8	91.9	81-114	%	1.00	02/25/2005 14:21	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-7 20-35'**	Lab ID:	2005-02-0592 - 5
Sampled:	02/16/2005 14:40	Extracted:	2/25/2005 14:46
Matrix:	Water	QC Batch#:	2005/02/25-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 14:46	
Benzene	ND	0.50	ug/L	1.00	02/25/2005 14:46	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 14:46	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 14:46	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 14:46	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 14:46	
Methyl tert-butyl ether (MTBE)	160	0.50	ug/L	1.00	02/25/2005 14:46	
Surrogate(s)						
1,2-Dichloroethane-d4	114.1	73-130	%	1.00	02/25/2005 14:46	
Toluene-d8	110.5	81-114	%	1.00	02/25/2005 14:46	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-7 60-63'**
Sampled: 02/16/2005 15:10
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0592 - 6
Extracted: 2/25/2005 15:10
QC Batch#: 2005/02/25-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 15:10	
Benzene	ND	0.50	ug/L	1.00	02/25/2005 15:10	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 15:10	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 15:10	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 15:10	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 15:10	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 15:10	
Surrogate(s)						
1,2-Dichloroethane-d4	106.8	73-130	%	1.00	02/25/2005 15:10	
Toluene-d8	100.5	81-114	%	1.00	02/25/2005 15:10	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-7 75-80'**
Sampled: 02/16/2005 15:40
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0592 - 7
Extracted: 2/25/2005 15:36
QC Batch#: 2005/02/25-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 15:36	
Benzene	ND	0.50	ug/L	1.00	02/25/2005 15:36	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 15:36	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 15:36	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 15:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 15:36	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 15:36	
Surrogate(s)						
1,2-Dichloroethane-d4	115.6	73-130	%	1.00	02/25/2005 15:36	
Toluene-d8	98.2	81-114	%	1.00	02/25/2005 15:36	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-11 @ 63**
Sampled: 02/17/2005 11:30
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0592 - 8
Extracted: 2/25/2005 16:00
QC Batch#: 2005/02/25-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 16:00	
Benzene	ND	0.50	ug/L	1.00	02/25/2005 16:00	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 16:00	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 16:00	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 16:00	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 16:00	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 16:00	
Surrogate(s)						
1,2-Dichloroethane-d4	116.7	73-130	%	1.00	02/25/2005 16:00	
Toluene-d8	96.0	81-114	%	1.00	02/25/2005 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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-11 70-74**	Lab ID:	2005-02-0592 - 9
Sampled:	02/17/2005 11:48	Extracted:	2/25/2005 16:26
Matrix:	Water	QC Batch#:	2005/02/25-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 16:26	
Benzene	ND	0.50	ug/L	1.00	02/25/2005 16:26	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 16:26	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 16:26	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 16:26	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 16:26	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 16:26	
Surrogate(s)						
1,2-Dichloroethane-d4	116.2	73-130	%	1.00	02/25/2005 16:26	
Toluene-d8	102.8	81-114	%	1.00	02/25/2005 16:26	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-10 35-38**
Sampled: 02/17/2005 13:12
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0592 - 10
Extracted: 2/28/2005 17:51
QC Batch#: 2005/02/28-2A.68

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	100	ug/L	2.00	02/28/2005 17:51	
Benzene	ND	1.0	ug/L	2.00	02/28/2005 17:51	
Toluene	ND	1.0	ug/L	2.00	02/28/2005 17:51	
Ethylbenzene	ND	1.0	ug/L	2.00	02/28/2005 17:51	
Total xylenes	ND	2.0	ug/L	2.00	02/28/2005 17:51	
tert-Butyl alcohol (TBA)	11	10	ug/L	2.00	02/28/2005 17:51	
Methyl tert-butyl ether (MTBE)	200	1.0	ug/L	2.00	02/28/2005 17:51	
Surrogate(s)						
1,2-Dichloroethane-d4	113.1	73-130	%	2.00	02/28/2005 17:51	
Toluene-d8	105.6	81-114	%	2.00	02/28/2005 17:51	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-10 62-64**
Sampled: 02/17/2005 13:54
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0592 - 11
Extracted: 2/25/2005 20:36
QC Batch#: 2005/02/25-2B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 20:36	
Benzene	ND	0.50	ug/L	1.00	02/25/2005 20:36	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 20:36	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 20:36	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 20:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 20:36	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 20:36	
Surrogate(s)						
1,2-Dichloroethane-d4	116.2	73-130	%	1.00	02/25/2005 20:36	
Toluene-d8	99.0	81-114	%	1.00	02/25/2005 20:36	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-10 76-80**
Sampled: 02/17/2005 14:44
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0592 - 12
Extracted: 2/25/2005 21:01
QC Batch#: 2005/02/25-2B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 21:01	
Benzene	ND	0.50	ug/L	1.00	02/25/2005 21:01	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 21:01	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 21:01	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 21:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 21:01	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 21:01	
Surrogate(s)						
1,2-Dichloroethane-d4	120.6	73-130	%	1.00	02/25/2005 21:01	
Toluene-d8	105.8	81-114	%	1.00	02/25/2005 21:01	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-5 59-62**
Sampled: 02/18/2005 09:00
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0592 - 13
Extracted: 2/25/2005 21:28
QC Batch#: 2005/02/25-2B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	150	50	ug/L	1.00	02/25/2005 21:28	
Benzene	0.64	0.50	ug/L	1.00	02/25/2005 21:28	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 21:28	
Ethylbenzene	1.7	0.50	ug/L	1.00	02/25/2005 21:28	
Total xylenes	1.3	1.0	ug/L	1.00	02/25/2005 21:28	
tert-Butyl alcohol (TBA)	6.8	5.0	ug/L	1.00	02/25/2005 21:28	
Methyl tert-butyl ether (MTBE)	1.2	0.50	ug/L	1.00	02/25/2005 21:28	
Surrogate(s)						
1,2-Dichloroethane-d4	123.5	73-130	%	1.00	02/25/2005 21:28	
Toluene-d8	100.6	81-114	%	1.00	02/25/2005 21:28	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-5 76-80**	Lab ID:	2005-02-0592 - 14
Sampled:	02/18/2005 09:23	Extracted:	2/25/2005 21:02
Matrix:	Water	QC Batch#:	2005/02/25-3D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	620	50	ug/L	1.00	02/25/2005 21:02	
Benzene	16	0.50	ug/L	1.00	02/25/2005 21:02	
Toluene	0.66	0.50	ug/L	1.00	02/25/2005 21:02	
Ethylbenzene	32	0.50	ug/L	1.00	02/25/2005 21:02	
Total xylenes	14	1.0	ug/L	1.00	02/25/2005 21:02	
tert-Butyl alcohol (TBA)	39	5.0	ug/L	1.00	02/25/2005 21:02	
Methyl tert-butyl ether (MTBE)	19	0.50	ug/L	1.00	02/25/2005 21:02	
Surrogate(s)						
1,2-Dichloroethane-d4	108.7	73-130	%	1.00	02/25/2005 21:02	
Toluene-d8	98.4	81-114	%	1.00	02/25/2005 21:02	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-6 59-63**	Lab ID:	2005-02-0592 - 15
Sampled:	02/18/2005 11:34	Extracted:	2/25/2005 21:21
Matrix:	Water	QC Batch#:	2005/02/25-3D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 21:21	
Benzene	ND	0.50	ug/L	1.00	02/25/2005 21:21	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 21:21	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 21:21	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 21:21	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 21:21	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 21:21	
Surrogate(s)						
1,2-Dichloroethane-d4	111.5	73-130	%	1.00	02/25/2005 21:21	
Toluene-d8	106.7	81-114	%	1.00	02/25/2005 21:21	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-6 75-78**	Lab ID:	2005-02-0592 - 16
Sampled:	02/18/2005 11:56	Extracted:	2/25/2005 21:40
Matrix:	Water	QC Batch#:	2005/02/25-3D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 21:40	Q6
Benzene	ND	0.50	ug/L	1.00	02/25/2005 21:40	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 21:40	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 21:40	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 21:40	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 21:40	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 21:40	
Surrogate(s)						
1,2-Dichloroethane-d4	105.9	73-130	%	1.00	02/25/2005 21:40	
Toluene-d8	104.3	81-114	%	1.00	02/25/2005 21:40	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s): 5030B
Sample ID: **CPT-9 58-62**
Sampled: 02/18/2005 14:22
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0592 - 17
Extracted: 2/25/2005 21:58
QC Batch#: 2005/02/25-3D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 21:58	Q6
Benzene	ND	0.50	ug/L	1.00	02/25/2005 21:58	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 21:58	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 21:58	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 21:58	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 21:58	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 21:58	
Surrogate(s)						
1,2-Dichloroethane-d4	103.5	73-130	%	1.00	02/25/2005 21:58	
Toluene-d8	97.2	81-114	%	1.00	02/25/2005 21:58	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-9 74-77**	Lab ID:	2005-02-0592 - 18
Sampled:	02/18/2005 14:48	Extracted:	2/25/2005 22:17
Matrix:	Water	QC Batch#:	2005/02/25-3D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/25/2005 22:17	Q6
Benzene	ND	0.50	ug/L	1.00	02/25/2005 22:17	
Toluene	ND	0.50	ug/L	1.00	02/25/2005 22:17	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2005 22:17	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2005 22:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2005 22:17	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2005 22:17	
Surrogate(s)						
1,2-Dichloroethane-d4	111.1	73-130	%	1.00	02/25/2005 22:17	
Toluene-d8	102.5	81-114	%	1.00	02/25/2005 22:17	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/02/25-1B.65**

MB: 2005/02/25-1B.65-033 — Date Extracted: 02/25/2005 08:33

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/25/2005 08:33	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/25/2005 08:33	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/25/2005 08:33	
Benzene	ND	0.5	ug/L	02/25/2005 08:33	
Toluene	ND	0.5	ug/L	02/25/2005 08:33	
Ethylbenzene	ND	0.5	ug/L	02/25/2005 08:33	
Total xylenes	ND	1.0	ug/L	02/25/2005 08:33	
Surrogates(s)					
1,2-Dichloroethane-d4	109.2	73-130	%	02/25/2005 08:33	
Toluene-d8	96.6	81-114	%	02/25/2005 08:33	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/02/25-2B.65**

MB: 2005/02/25-2B.65-050 — Date Extracted: 02/25/2005 18:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/25/2005 18:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/25/2005 18:50	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/25/2005 18:50	
Benzene	ND	0.5	ug/L	02/25/2005 18:50	
Toluene	ND	0.5	ug/L	02/25/2005 18:50	
Ethylbenzene	ND	0.5	ug/L	02/25/2005 18:50	
Total xylenes	ND	1.0	ug/L	02/25/2005 18:50	
Surrogates(s)					
1,2-Dichloroethane-d4	109.8	73-130	%	02/25/2005 18:50	
Toluene-d8	106.6	81-114	%	02/25/2005 18:50	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/02/25-3D.69-017

Water

Test(s): 8260B
QC Batch # 2005/02/25-3D.69
Date Extracted: 02/25/2005 19:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/25/2005 19:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/25/2005 19:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/25/2005 19:17	
Benzene	ND	0.5	ug/L	02/25/2005 19:17	
Toluene	ND	0.5	ug/L	02/25/2005 19:17	
Ethylbenzene	ND	0.5	ug/L	02/25/2005 19:17	
Total xylenes	ND	1.0	ug/L	02/25/2005 19:17	
Surrogates(s)					
1,2-Dichloroethane-d4	98.4	73-130	%	02/25/2005 19:17	
Toluene-d8	106.2	81-114	%	02/25/2005 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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/02/28-2A.68-019

Water

Test(s): 8260B
QC Batch # 2005/02/28-2A.68
Date Extracted: 02/28/2005 17:19

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/28/2005 17:19	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/28/2005 17:19	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/28/2005 17:19	
Benzene	ND	0.5	ug/L	02/28/2005 17:19	
Toluene	ND	0.5	ug/L	02/28/2005 17:19	
Ethylbenzene	ND	0.5	ug/L	02/28/2005 17:19	
Total xylenes	ND	1.0	ug/L	02/28/2005 17:19	
Surrogates(s)					
1,2-Dichloroethane-d4	109.6	73-130	%	02/28/2005 17:19	
Toluene-d8	108.0	81-114	%	02/28/2005 17:19	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/02/25-1B.65**

LCS 2005/02/25-1B.65-008 Extracted: 02/25/2005 Analyzed: 02/25/2005 08:08

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	31.0		25	124.0			65-165	20		
Benzene	27.2		25	108.8			69-129	20		
Toluene	26.1		25	104.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	436		500	87.2			73-130			
Toluene-d8	541		500	108.2			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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/02/25-2B.65**

LCS 2005/02/25-2B.65-025 Extracted: 02/25/2005 Analyzed: 02/25/2005 18:25

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	32.2		25	128.8			65-165	20		
Benzene	22.8		25	91.2			69-129	20		
Toluene	25.6		25	102.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	451		500	90.2			73-130			
Toluene-d8	480		500	96.0			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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/02/25-3D.69

LCS 2005/02/25-3D.69-058

Extracted: 02/25/2005

Analyzed: 02/25/2005 18:58

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	20.6		25	82.4			65-165	20		
Benzene	28.1		25	112.4			69-129	20		
Toluene	28.7		25	114.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	459		500	91.8			73-130			
Toluene-d8	540		500	108.0			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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/02/28-2A.68**

LCS 2005/02/28-2A.68-001 Extracted: 02/28/2005 Analyzed: 02/28/2005 17:01
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.3		25	89.2			65-165	20		
Benzene	23.8		25	95.2			69-129	20		
Toluene	24.5		25	98.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	468		500	93.6			73-130			
Toluene-d8	566		500	113.2			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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/02/25-1B.65**

MS/MSD

Lab ID: 2005-02-0574 - 003

MS: 2005/02/25-1B.65-055 Extracted: 02/25/2005 Analyzed: 02/25/2005 10:55

Dilution: 1.00

MSD: 2005/02/25-1B.65-019 Extracted: 02/25/2005 Analyzed: 02/25/2005 11:19

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	27.2	30.9	ND	25	108.8	123.6	12.7	65-165	20		
Benzene	24.8	22.4	ND	25	99.2	89.6	10.2	69-129	20		
Toluene	23.7	24.5	ND	25	94.8	98.0	3.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	452	484		500	90.4	96.8		73-130			
Toluene-d8	513	476		500	102.6	95.2		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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/02/25-2B.65**

MS/MSD

Lab ID: 2005-02-0614 - 001

MS: 2005/02/25-2B.65-045 Extracted: 02/25/2005 Analyzed: 02/25/2005 19:45

Dilution: 1.00

MSD: 2005/02/25-2B.65-011 Extracted: 02/25/2005 Analyzed: 02/25/2005 20:11

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	38.2	34.2	ND	25	152.8	136.8	11.0	65-165	20		
Benzene	25.2	27.2	ND	25	100.8	108.8	7.6	69-129	20		
Toluene	26.0	24.9	ND	25	104.0	99.6	4.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	468	464		500	93.6	92.8		73-130			
Toluene-d8	491	476		500	98.2	95.2		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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/02/25-3D.69**

MS/MSD

Lab ID: 2005-02-0535 - 010

MS: 2005/02/25-3D.69-006 Extracted: 02/25/2005 Analyzed: 02/25/2005 20:06

Dilution: 1.00

MSD: 2005/02/25-3D.69-024 Extracted: 02/25/2005 Analyzed: 02/25/2005 20:24

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	23.9	21.4	ND	25	95.6	85.6	11.0	65-165	20		
Benzene	28.6	24.2	ND	25	114.4	96.8	16.7	69-129	20		
Toluene	29.0	26.1	ND	25	116.0	104.4	10.5	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	495	449		500	99.0	89.8		73-130			
Toluene-d8	577	521		500	115.4	104.2		81-114		S5	

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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/02/28-2A.68**

MS/MSD

Lab ID: 2005-02-0687 - 001

MS: 2005/02/28-2A.68-025 Extracted: 02/28/2005 Analyzed: 02/28/2005 18:25

Dilution: 1.00

MSD: 2005/02/28-2A.68-043 Extracted: 02/28/2005 Analyzed: 02/28/2005 18:43

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.3	22.3	ND	25	101.2	89.2	12.6	65-165	20		
Benzene	27.3	21.1	ND	25	109.2	84.4	25.6	69-129	20		R1
Toluene	28.1	22.2	ND	25	112.4	88.8	23.5	70-130	20		R1
Surrogate(s)											
1,2-Dichloroethane-d4	446	495		500	89.2	99.0		73-130			
Toluene-d8	545	556		500	109.0	111.2		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: SJ3750H-1.2005
98995842

Received: 02/18/2005 15:50

Site: 3790 Hopyard Rd., Pleasanton, CA

Legend and Notes

Sample Comment

Lab ID: 2005-02-0592 -16

Siloxane peaks were found in the sample that are not believed to be gasoline related. If they were quantified as gasoline, the concentration would be 78ug/L.

Lab ID: 2005-02-0592 -17

Siloxane peaks were found in the sample that are not believed to be gasoline related. If they were quantified as gasoline, the concentration would be 65ug/L.

Lab ID: 2005-02-0592 -18

Siloxane peaks were found in the sample that are not believed to be gasoline related. If they were quantified as gasoline, the concentration would be 65ug/L.

Lab ID: 2005-02-0592 -2

Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantitated as gasoline, the concentration would be 51ug/L

Analysis Flag

L2

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

Result Flag

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

R1

Analyte RPD was out of QC limits.

S5

Surrogate recoveries higher than acceptance limits.
Matrix interference suspected

Shell Chain Of Custody Record

102005

STL-San Francisco

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

Karen Petryna

Delta Environmental Consultants

2005-02-0592

9	8	9	9	5	8	4	2

12/30/2004 2-18-05

PAGE: 1 of 2

COMPANY NAME: Delta Environmental Consultants, Inc.	LOG CODE:
ADDRESS: 175 Bernal Rd, Suite 200, San Jose CA, 95119	
PROJECT CONTACT (Hardcopy or PDF Report to): Lee Dooley	
TELEPHONE: (408) 224-4724	FAX: (408) 656-2505
E-MAIL: ldooley@deltaenv.com	

SITE ADDRESS (Street and City): 3790 Hopyard Rd., Pleasanton, CA	GLOBAL ID NO.: T0600101257
EDF DELIVERABLE TO (Responsible Party or Designee): Vora Fischer	PHONE NO.: 925-468-0417
E-MAIL: vfischer@deltaenv.com	CONSULTANT PROJECT NO.: SJ3750H-1.2005
Sampled by: Lee Dooley/Rebecca Wolff	LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: _____

GCMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

email results to: vfischer@deltaenv.com and ldooley@deltaenv.com

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	5 Oxygenates	EDB and EDC	PCB's	S-VOC's by 8270	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Motor Oil						TEMPERATURE ON RECEIPT C°
	CPT-4 55-60'	2/16/05	10:46	W	3	X		X	X	X																
	CPT-4 70-74'	2/16/05	11:16	W	3	X		X	X	X																
	CPT-8 60-63'	2/16/05	1:40p	W	3	X		X	X	X																
	CPT-8 75-80'	2/16/05	2:14p	W	3	X		X	X	X																
	CPT-7 20-35'	2/16/05	2:40p	W	3	X		X	X	X																
	CPT-7 60-63'	2/16/05	3:10p	W	3	X		X	X	X																
	CPT-7 75-80'	2/16/05	3:40p	W	3	X		X	X	X																
	CPT-11 @ 63	2/17/05	11:35	W	3	X		X	X	X																
	CPT-11 70-74	2/17/05	11:48	W	3	X		X	X	X																
	CPT-10 55-59	2/17/05	13:12	W	3	X		X	X	X																

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

4°C

TEMPERATURE ON RECEIPT C°

← Highly reactive with HCl! Can not prevent headspace.

Slight reaction with HCl.

Reactive w/HCl

Slight Reaction

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Rebecca Wolff		02/18/05	1550
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date	Time:

Shell Chain Of Custody Record

1D2005

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ GMT HOUSTON

Karen Petryna

Delta Environmental Consultants

2005-02-0592

9 8 9 9 5 8 4 2

12/30/2004 2-18-05

PAGE: 1 of 2

SAMPLING COMPANY: Delta Environmental Consultants, Inc.	LOG CODE:	SITE ADDRESS (Street and City): 3790 Hopyard Rd., Pleasanton, CA	GLOBAL ID NO.: T0600101257
ADDRESS: 175 Bernal Rd, Suite 200, San Jose CA, 95119		EDF DELIVERABLE TO (Responsible Party or Consultant): Vera Fischer	PHONE NO.: 928-468-6417
PROJECT CONTACT (Hardcopy or PDF Report to): Lee Dooley		E-MAIL: vfischer@deltaenv.com	CONSULTANT PROJECT NO.: SJ3750H-1.2005
TELEPHONE: (408) 224-4724	FAX: (408) 666-2505	E-MAIL: ldooley@deltaenv.com	Sampled by: Lee Dooley/Rebecca Wolff

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: _____

GCMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

email results to: vfischer@deltaenv.com and ldooley@deltaenv.com

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	5 Oxygenates	EDB and EDC	PCB's	S-VOC's by 8270	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Motor Oil						FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	CPT-10 62-64	2/17/05	13:54	W	3	X		X	X	X																4 oz Reacted w/HCl
	CPT-10 76-80	2/17/05	14:49	W	3	X		X	X	X																
	CPT-5 59-62	2/18/05	9:00	W	3	X		X	X	X																Slight HCl Reaction
	CPT-5 76-80	2/18/05	9:23	W	3	X		X	X	X																
	CPT-6 59-63	2/18/05	11:34	W	3	X		X	X	X																
	CPT-6 75-78	2/18/05	11:56	W	3	X		X	X	X																
	CPT-9 56-62	2/18/05	14:22	W	3	X		X	X	X																
	CPT-9 74-77	2/18/05	14:45	W	3	X		X	X	X																
						X		X	X	X																
						X		X	X	X																

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature) Rebecca Wolff	Received by: (Signature)	Date: 02/18/05	Time: 1550
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time: