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May 26, 2006

Mr. Jerry Wickham
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Soil Boring Assessment Report
Delta Project No. C104186031
76 Service Station No. 4186
1771 First Street
Livermore, California

Dear Mr. Wickham:

This report has been prepared by Delta Environmental Consultants, Inc. (Delta) on behalf of ConocoPhillips Company (COP) to present the results of the advancement of seven soil borings for the above referenced site. Figure 1 shows the location and vicinity of the site. The purpose of drilling the soil borings was to (1) collect and analyze soil samples to delineate the vertical extent of contamination at the site, particularly in the vicinity of the area surrounding the underground storage tank (UST) area, (2) define the lateral extent of contamination within the sand and gravel units, (3) clearly define subsurface lithology and delineate the upper and lower contacts of the sand and gravel unit. This work was conducted as proposed in Delta's *Work Plan – Soil Boring Assessment* dated January 4, 2006, as approved by the Alameda County Health Services Agency Staff letter dated January 12, 2006. Figure 2 shows site facility details and locations of the soil borings.

SITE DESCRIPTION

The subject site is an operating service station located on the southwest corner of First Street and N Street in Livermore, California (Figure 2). The site is bounded on the north by First Street, on the east by N Street, and on the south and west by commercial buildings. The immediate site vicinity is a mix of commercial properties including restaurants, automobile repair shops, and shopping facilities. The site is located at an elevation of 480 feet above mean sea level (MSL).

Current aboveground site facilities consist of four dispenser islands, a canopy and a station building. Two 10,000-gallon gasoline USTs are located in a common pit on the east side of the site.

A member of:



SITE BACKGROUND AND ACTIVITY

During dispenser and piping replacement activities in June 1996, six soil samples were collected from beneath the fuel dispensers and along the product delivery piping. Analytical results were non-detect (ND) for Total Petroleum Hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene and total xylenes (BTEX) for each sample collected from beneath the dispenser islands and product delivery piping.

A soil gas survey was conducted on September 10, 1997, as part of a baseline site evaluation associated with the property transfer from Unocal Corporation to Tosco. Six soil gas probes were advanced and samples collected at 3 or 15 feet bgs in the vicinity of the UST pit, dispenser islands, and product lines. Analytical results of soil gas samples ranged from 41 to 4,500 parts per billion by volume (ppb-v) TPH-G, ND to 110 ppb-v benzene, and ND to 8,000 ppb-v methyl tertiary butyl ether (MTBE). The area of highest soil vapor concentration was localized around the USTs.

Alameda County Zone 7 Water Agency files were reviewed on April 8, 1998, to identify water supply wells located within a one half mile radius of the site. Two municipal wells were identified as present approximately 1,500 feet and 1,800 feet northwest of the site, and two domestic wells were located approximately 1,900 feet and 2,800 feet southwest and west of the site.

On June 16, 1998, three two-inch diameter groundwater monitor wells (U-1 through U-3) were drilled and completed at the site. The wells were installed to depths of 34 feet bgs. Analytical results of soil samples collected from the three well boreholes were reported as ND for TPH-G, benzene, and MTBE.

A site conceptual model (SCM) was completed for the site in May 2000. A groundwater flow velocity was calculated to estimate plume travel time to the nearest downgradient receptor. Groundwater velocity was calculated to be 46 feet per year. It was concluded that hydrocarbon impact to groundwater appears to fluctuate with the rise and fall of the groundwater surface beneath the site.

Two additional two-inch diameter groundwater monitor wells (U-4 and U-5) were installed offsite on February 21, 2001, at the locations shown on Figure 2. The wells were installed to depths of 45 feet (U-4) and 47 feet (U-5). TPH-G, BTEX and MTBE were not detected in soil samples collected from the boreholes during well drilling. TPH-G and benzene were not detected in groundwater samples collected from wells U-4 and U-5. MTBE was detected in the groundwater samples from both wells U-4 and U-5 at concentrations of 38.2 and 55.4 micrograms per liter ($\mu\text{g/l}$), respectively.

Monitoring and sampling of the wells at the site was initiated in July 1998, and has continued on a quarterly basis to the present time. Historically, groundwater flow directions have varied from north to southwest. Depth to groundwater has varied from 21.62 feet bgs (U-3) to 46.31 feet bgs (U-5).

On December 5 – 7, 2001, two monitor wells (U-6 and U-7) and eight ozone microsparge points (SP-1 through SP-8) were installed. The monitor wells were installed to 45 feet bgs using 8-inch diameter hollow stem augers. Borings SP-1 through SP-8 were completed as sparge points with the installation of 2-inch diameter KVA sparge

points attached to ¾-inch diameter blank schedule 80 PVC casing. The sparge points are composed of 30-inch long microporous plastic. Sparge points SP-1 through SP-4 were installed to depths of 45 feet bgs. Sparge points SP-6S and SP-7S were installed to depths of 25 feet bgs. The remaining two sparge locations contained nested sparge points (SP-5, SP-5S, SP-8 and SP-8S) installed to 25 and 45 feet bgs in each boring. With completion of the sparge point installation, an interim remedial measure system was installed consisting of a K-V Associates, Inc. (KVA) "C-Sparge" ozone microsparge system.

SITE GEOLOGY AND HYDROGEOLOGY

The subject site is located in the Livermore Valley in the north-central Coast Range and is underlain by interfingered Holocene age alluvial fan and gravel facies. These deposits are composed of semi-consolidated deposits of sand and gravel in a matrix of clayey sand. During this soil boring assessment and previous field investigations, it was determined that the unsaturated (vadose) zone is composed predominantly of gravel with varying amounts of clay, silt and sand. The saturated zone is composed of clay, silty sand, and gravel. Figures 3 and 4, and Attachment A provide cross-sections of the site and near-by subsurface lithology.

Groundwater was initially encountered at depths of 32 to 42 feet bgs during drilling at the site. Historical monitoring data show the static depth to water onsite varies from 23 to 31 feet bgs. The historical groundwater flow direction has varied from north to southwest with an average gradient of 0.02 foot per foot (ft/ft). The nearest surface water to the site is the Arroyo Mocho Creek, located approximately 2,900 feet south of the site. Attachment B shows the historical groundwater flow directions.

SCOPE OF WORK

The scope of work included the following activities:

- Conducted utility clearance and obtained a drilling permit from the Zone 7 Water Agency;
- Drilled seven soil borings with the initial five feet cleared with "air-knife" technology;
- Collected soil samples for laboratory analysis;
- Collected depth-discrete grab groundwater samples from each borehole from an upper zone at approximately 41 feet bgs and a lower zone at approximately 61 feet bgs; and
- Uploaded analytical laboratory data into the State of California Geotracker System per requirements of AB 2886.

Pre-Field Investigation Activities

A utility survey was completed prior to conducting the field investigation. Underground Services Alert (USA) was notified prior to drilling operations, and a private utility locating company (Cruz Brothers) were also used to reduce the risk of damage to utilities beneath the property. Additionally, the first five feet of each borehole was cleared with air-knife technology before drilling was begun.

Delta prepared a site-specific Health and Safety (H&S) plan in accordance Title 8, Section 5192 of the California Code of Regulations. Drilling permit No. 26060 was obtained from the Zone 7 Water Agency prior to scheduling the field work.

Soil Boring and Sampling Procedures

The soil borings (Figure 2) were drilled by Gregg Drilling and Testing, Inc., a licensed contractor, using a cone penetrometer testing (CPT) rig. Three boreholes were advanced for each soil boring location. The initial borehole was drilled to provide a CPT log of subsurface lithologies. The second borehole was drilled to collect soil samples for identification and laboratory analysis, and to collect a depth-discrete groundwater sample at approximately 38 feet to 44 feet bgs. The third borehole was drilled to collect a depth-discrete groundwater sample at approximately 57 feet to 65 feet bgs. Soil samples from selected depths were submitted for analysis. Each boring was backfilled with grout upon completion.

Soil samples were collected using a direct push piston sampler. A sealed pointed piston was advanced within the core barrel of the CPT to the desired sample depth. The piston was opened and driven to further depth to collect a soil sample at which time the piston assembly was removed and the soil sample recovered. One sample tube from each interval was sealed with Teflon tape and plastic end caps then placed in an ice chest cooled with ice. The remaining soil collected from the sample tubes was used for field screening and lithologic description purposes. Soil samples from each sample interval were field screened for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID). A minimum three soil samples per boring were collected for laboratory analysis: one sample from the coarse-grained unit encountered at a depth of approximately 33 to 39 feet bgs; one sample from the clay unit between the upper and lower coarse units; and one sample from the lower coarse-grained unit encountered approximately 51 to 55 feet bgs. Additional soil samples were submitted for analysis if the PID measurements indicated substantial contamination. The PID measurements were recorded on the soil boring log by the field geologist. Each soil sample was logged using the Unified Soil Classification System (USCS).

Groundwater samples were collected using a closed screen sampler. The assembly was driven with the outer tube casing in place. When the desired groundwater sample depth was reached, the outer casing was retracted to expose the screen to groundwater. A small-diameter bailer was then lowered through the drill casing and a groundwater sample collected. The expendable drive point was left in place when the drill casing and sampling assembly were removed.

Each groundwater sample was placed in an appropriately labeled container, sealed, and stored in an ice chest cooled with ice. The samples were transported to a state-certified laboratory for analysis under chain-of-custody protocol.

Subsurface Conditions

A Delta field geologist examined soil samples from each boring in conjunction with the corresponding CPT log when classifying soil type and thickness. Soil encountered during drilling near the surface consisted primarily of gravel with varying amounts of clay and silt, and continued to a depth of approximately 25 feet bgs. A clay unit with various amounts of silt and sand continued from approximately 25 feet to 36 feet bgs. The

"upper unit", a saturated layer generally consisting of silty sand with gravel and comprised of multiple smaller units consisting of various amounts of gravel, sand and silt was encountered at approximately 36 feet bgs and continued to a depth of approximately 43 feet bgs. A clay unit between the "upper" and "lower" units had varying amounts of silt and sand and continued from approximately 43 feet to 55 feet bgs. The "lower unit", generally consisting of silty sand with gravel/gravel with sandy silt and comprised of multiple smaller units consisting of various amounts of gravel and sand, was encountered at a depth of approximately 55 feet bgs and continued to the maximum depths explored. Groundwater was initially encountered between depths of approximately 32 to 42 feet bgs. Zones of saturated soil varied in thickness and lithology within and between borings. The CPT log is presented in Attachment C, and boring logs for B-1 through B-7 are presented in Attachment D.

Laboratory Analysis and Results

Soil and groundwater samples were submitted under chain of custody protocol to Severn Trent Laboratories, Inc. (STL), a California-certified laboratory. The soil and groundwater samples were analyzed for gasoline range organic compounds (GRO), BTEX, MTBE, di-isopropyl ether (DIPE), tertiary butyl alcohol (TBA), tertiary amyl methyl ether (TAME), and ethanol by United States Environmental Protection Agency EPA Method 8260B. In addition, for waste profiling purposes, one soil sample was analyzed for total lead by EPA Method 6010. Attachment E includes the analytical reports and chain of custody documentation.

Soil

Analytical results of soil samples are shown in Table 1. GRO was detected in five upper zone samples (B-1@40', B-1@60', B-4@43', B-6@43', and B-7@39') at concentrations ranging from 6.5 mg/Kg (B-7@39') to 420 mg/Kg (B-6@43'); in six lower zone samples (B-1@62', B-2@61', B-3@62', B-5@65', B-6@63' and B-7@57') at concentrations ranging from 1.4 mg/Kg (B-1@62') to 510 mg/Kg (B-7@57'). MTBE was detected in four upper zone samples (B-4@43', B-5@44', B-6 @43, and B-7@39') at concentrations ranging from 16 mg/Kg (B-4@43') to 1,100 mg/Kg (B-6@63'); in all lower zone samples except B-7@57' at concentrations ranging from 7.9 mg/Kg (B-6@63') to 510 mg/Kg (B-4@63'.

Water

Analytical results of groundwater samples are shown in Table 2. GRO was detected in each of the 14 groundwater samples at concentrations ranging from 930 µg/l (B2@ 38') to 23,000 µg/l (B-5@44') in the upper zone, and 100 µg/l (B1@ 62') to 26,000 µg/l (B-7@57') in the lower zone. Benzene was detected in five upper zone samples (B-1@41', B-3@38', B-4@43', B-6@43', and B-7@39') at concentrations ranging from 6.5 µg/l (B-7@39') to 420 µg/l (B-6@43'); in six lower zone samples (B-1@62', B-2@61', B-3@62', B-5@65', B-6@63' and B-7@57') at concentrations ranging from 1.4 µg/l (B-1@62') to 510 µg/l (B-7@57'). MTBE was detected in four upper zone samples (B-4@43', B-5@44', B-6 @43', and B-7@39') at concentrations ranging from 16 µg/l (B-4@43') to 1,100 µg/l (B-6@63'); in all lower zone samples except B-7@57' at concentrations ranging from 7.9 µg/l (B-6@63') to 510 µg/l (B-4@63'. Figures 5 through 10 are

isoconcentration maps depicting GRO, benzene, and MTBE concentrations for both the upper and lower groundwater zones.

Waste Disposal

Soil cuttings generated during this investigation are temporarily being stored onsite in appropriately labeled 55-gallon Department of Transportation (DOT)-approved drums pending disposal arrangements. The soil will be transported offsite by a licensed waste hauler once an approved destination for the waste is found.

Conclusions

Delta concludes the following:

- Coarse lithologic units (upper and lower) provide a path for petroleum hydrocarbon migration. Fine-grained units tend to adsorb petroleum hydrocarbons, thus inhibiting migration.
- Soils within the area of the UST pit have minor impacts of petroleum hydrocarbons.
- Groundwater has been impacted by petroleum hydrocarbons in the vicinity of the USTs in the upper zone and near B-7 in the lower zone; hydrocarbon contamination is migrating in the downgradient direction.
- Petroleum hydrocarbon concentrations detected in the groundwater samples collected from the borings are consistent with historical groundwater concentrations at the site.

Recommendations

Delta recommends the following:

- Continue groundwater monitoring and sampling per the existing site groundwater monitoring program.
- Install two groundwater monitor wells upgradient of the site to investigate possible off site sources and to further delineate vertical and lateral groundwater contamination.
- Continue ozone sparge remediation and maintain a high programmed runtime.

Remarks/Signatures

The recommendations contained in this letter/report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This letter/report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This letter/report is intended only for the use of Delta's Client and anyone else specifically listed on this letter/report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this letter/report.

If you have questions regarding this report, please call us at (916) 503-1260.

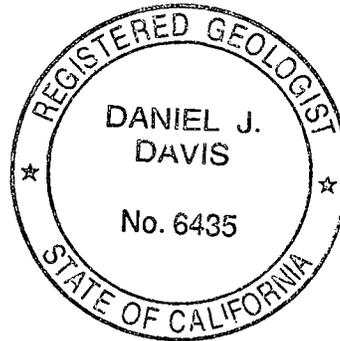
Sincerely,
Delta Environmental Consultants, Inc.



Ben Wright
Staff Geologist



Daniel J. Davis, R.G.
Senior Project Manager



cc: Ms. Shelby Lathrop, ConocoPhillips (electronic copy)
Mr. Wyman Hong, Zone 7 Water Agency
Mr. Thomas Branchini, Site Owner

Figures: Figure 1 – Site Location Map
Figure 2 – Site Plan
Figure 3 – Cross Section A-A'
Figure 4 – Cross Section B-B'
Figure 5 – Dissolved Phase GRO Concentration Map - Upper Zone
Figure 6 – Dissolved Phase Benzene Concentration Map - Upper Zone
Figure 7 – Dissolved Phase MTBE Concentration Map - Upper Zone
Figure 8 – Dissolved Phase GRO Concentration Map - Lower Zone
Figure 9 – Dissolved Phase Benzene Concentration Map - Lower Zone
Figure 10 – Dissolved Phase MTBE Concentration Map - Lower Zone

Tables: Table 1 – Soil Analytical Results
Table 2 – Groundwater Analytical Results

Attachments: Attachment A – ATC Cross Section Map
Attachment B – Historical Groundwater Flow Directions
Attachment C – CPT Site Investigation
Attachment D – Boring Logs
Attachment E – Analytical Reports and Chain of Custody Documentation

Figures

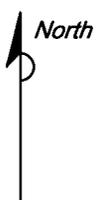
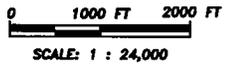
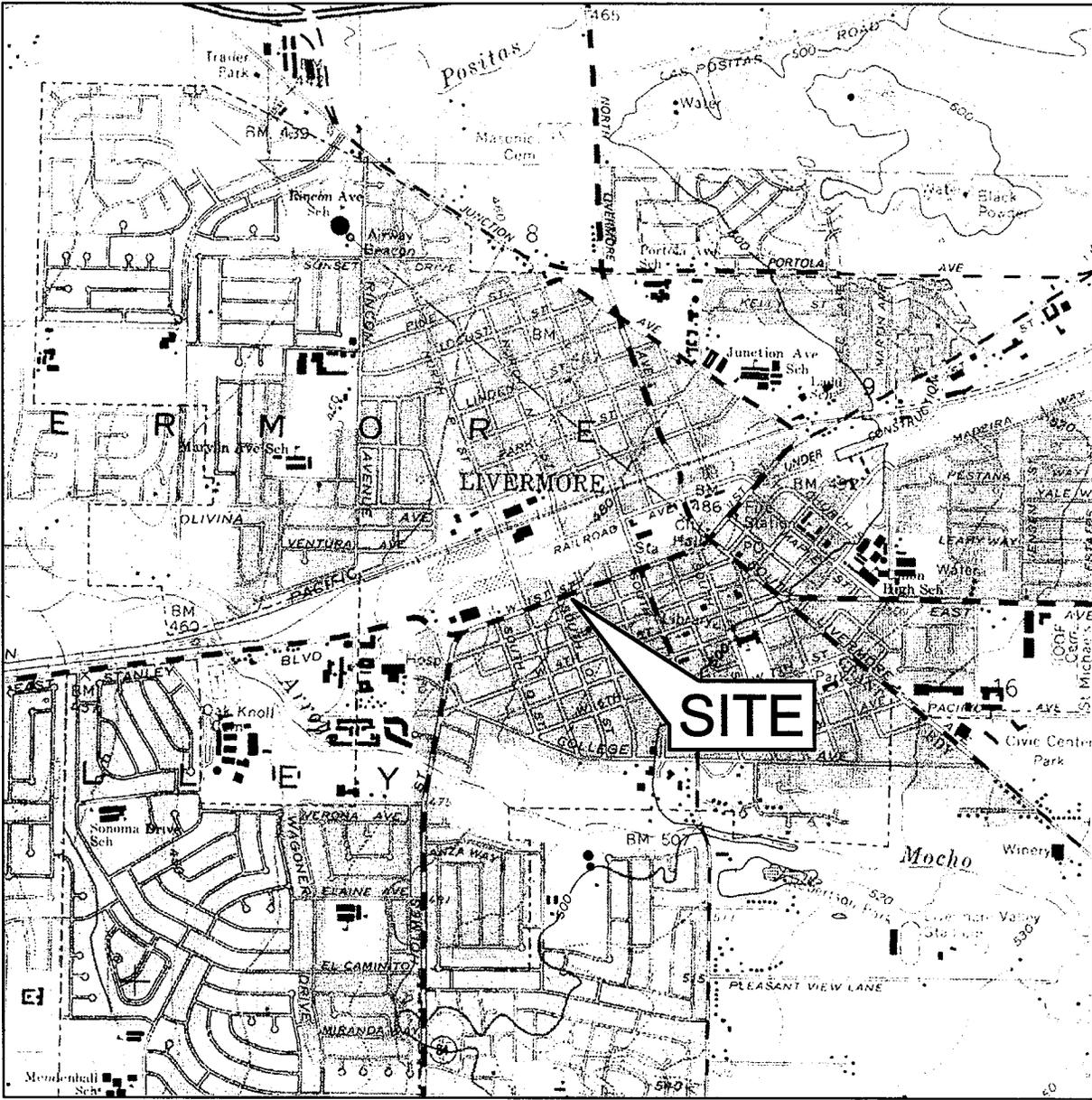
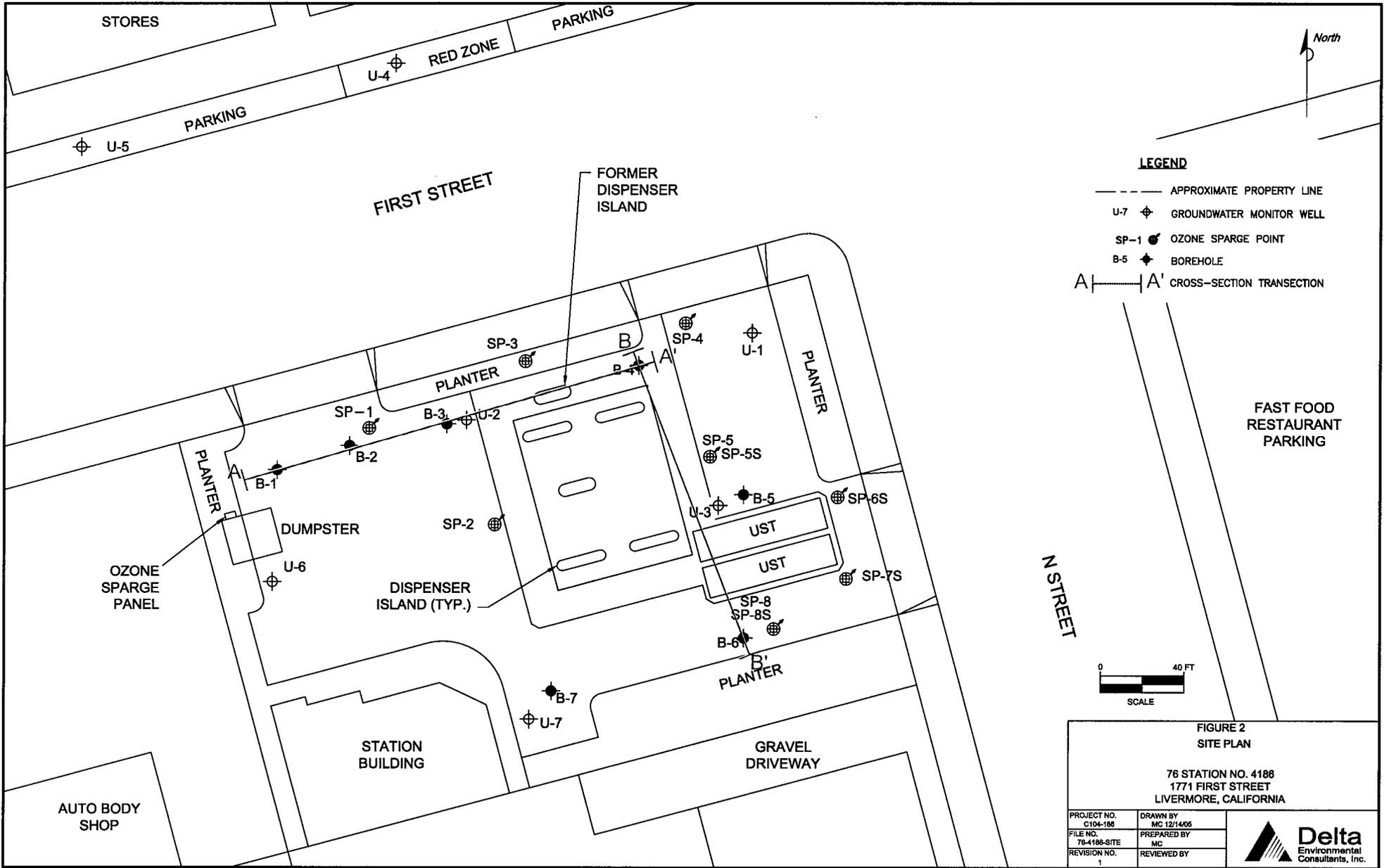


FIGURE 1
SITE LOCATION MAP
76 STATION NO. 4186
1771 FIRST STREET
LIVERMORE, CA

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, CALABASAS QUADRANGLE, 1967

PROJECT NO. C104-186	DRAWN BY MC 12/28/05
FILE NO. Site Locator 4186	PREPARED BY MC
REVISION NO. 1	REVIEWED BY





STORES

PARKING

U-4 ⊕ RED ZONE

PARKING

U-5 ⊕

FIRST STREET

FORMER DISPENSER ISLAND

North

LEGEND

- APPROXIMATE PROPERTY LINE
- U-7 ⊕ GROUNDWATER MONITOR WELL
- SP-1 ⊕ OZONE SPARGE POINT
- B-5 ⊕ BOREHOLE
- A-A' CROSS-SECTION TRANSECTION

FAST FOOD RESTAURANT PARKING

SP-3

PLANTER

SP-4

U-1

PLANTER

SP-1

B-3

U-2

SP-5

SP-5S

PLANTER

DUMPSTER

SP-2

U-3

UST

SP-6S

OZONE SPARGE PANEL

DISPENSER ISLAND (TYP.)

B-5

UST

SP-7S

N STREET



STATION BUILDING

GRAVEL DRIVEWAY

PLANTER

B-7

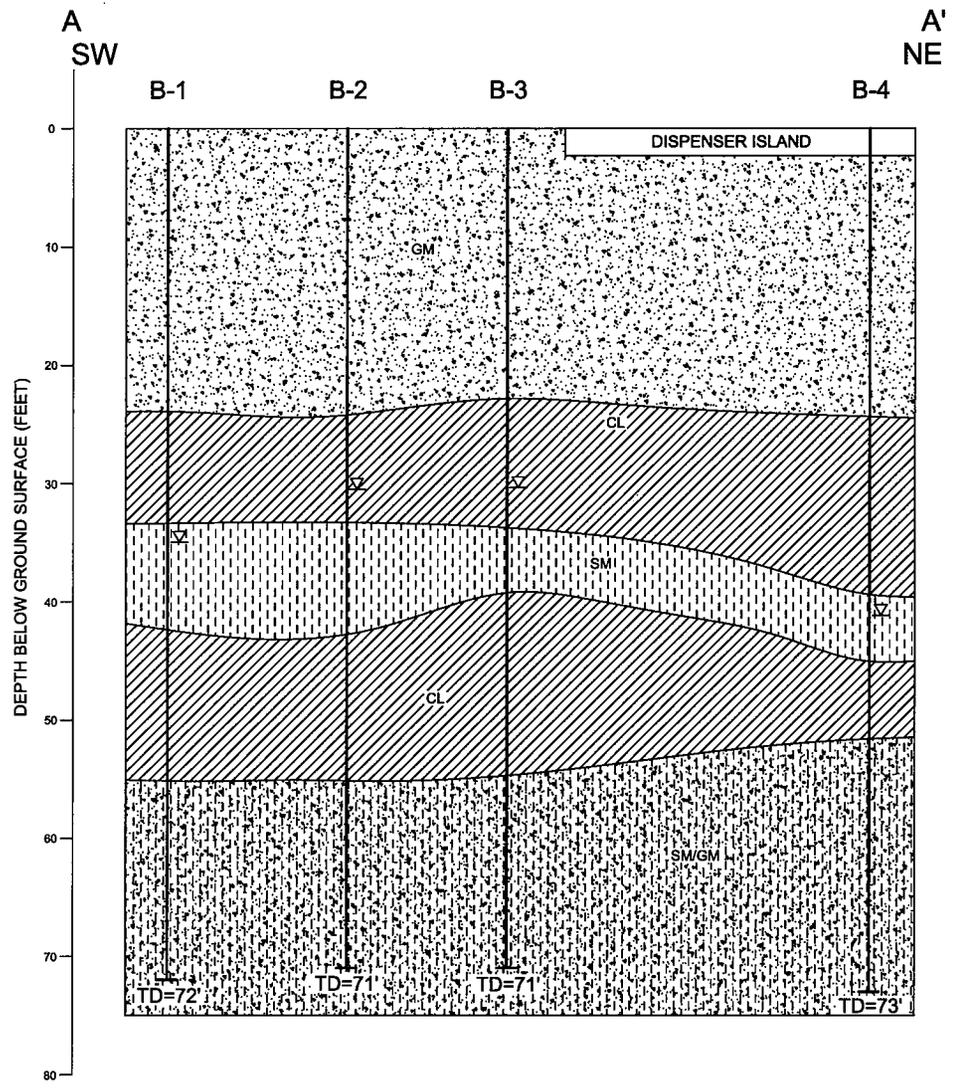
U-7

B-6

SP-8

SP-8S

AUTO BODY SHOP



- LEGEND:**
- BORING
 - TOTAL DEPTH
 - CONTACT BETWEEN SOIL UNITS
 - GM - GRAVEL WITH SANDY SILT
 - CL - CLAY
 - SM - SILTY SAND WITH GRAVEL
 - SM/GM - GRAVEL WITH SANDY SILT/
SILTY SAND WITH GRAVEL
 - INITIAL GROUNDWATER LEVEL ENCOUNTERED DURING DRILLING

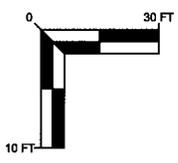


FIGURE 3	
GEOLOGIC CROSS SECTION A-A'	
76 STATION NO. 4186 1771 FIRST STREET LIVERMORE, CALIFORNIA	
PROJECT NO. C104-186	DRAWN BY MC 522/06
FILE NO. 76-4186-XS	PREPARED BY BW
REVISION NO. 1	REVIEWED BY



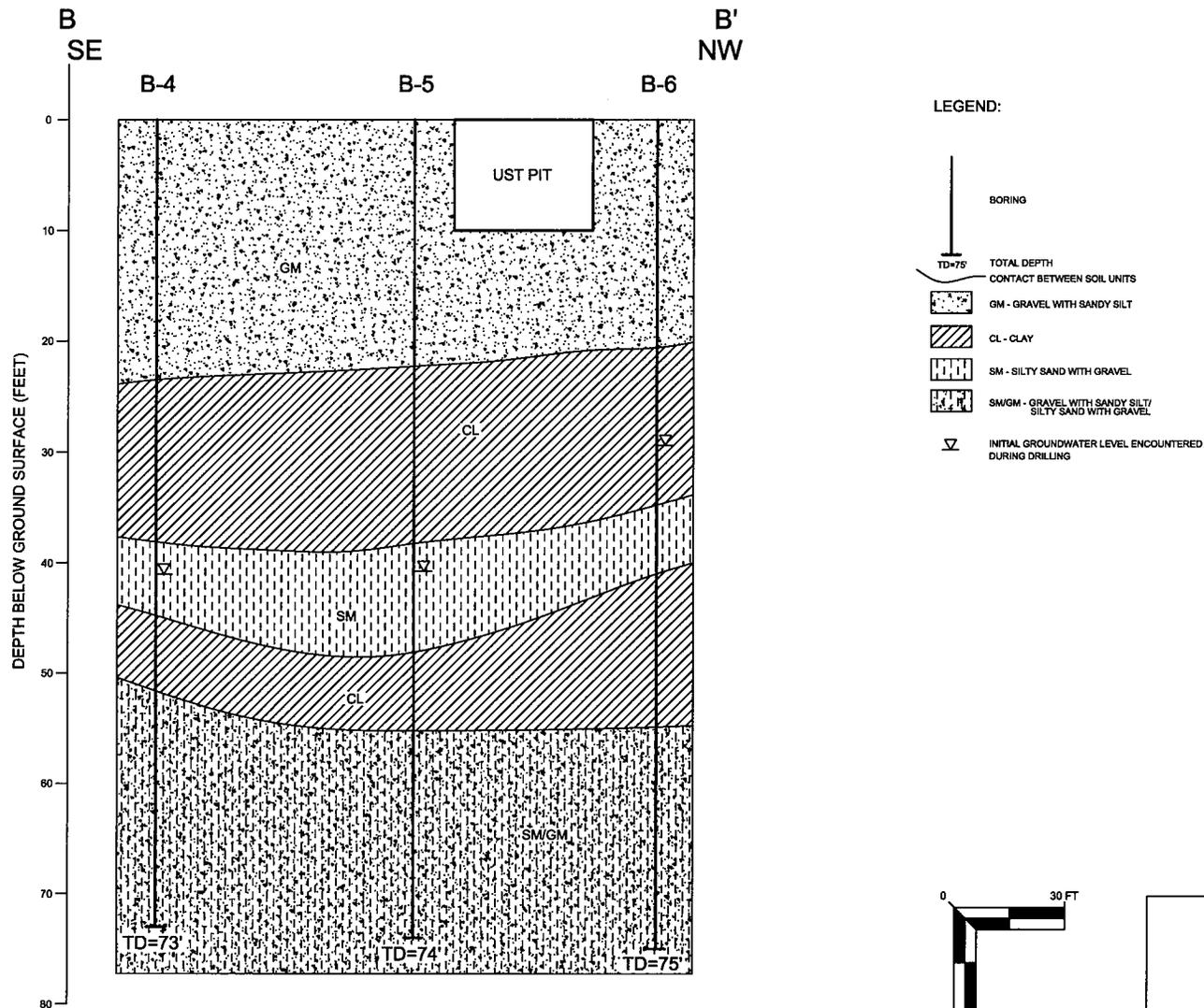
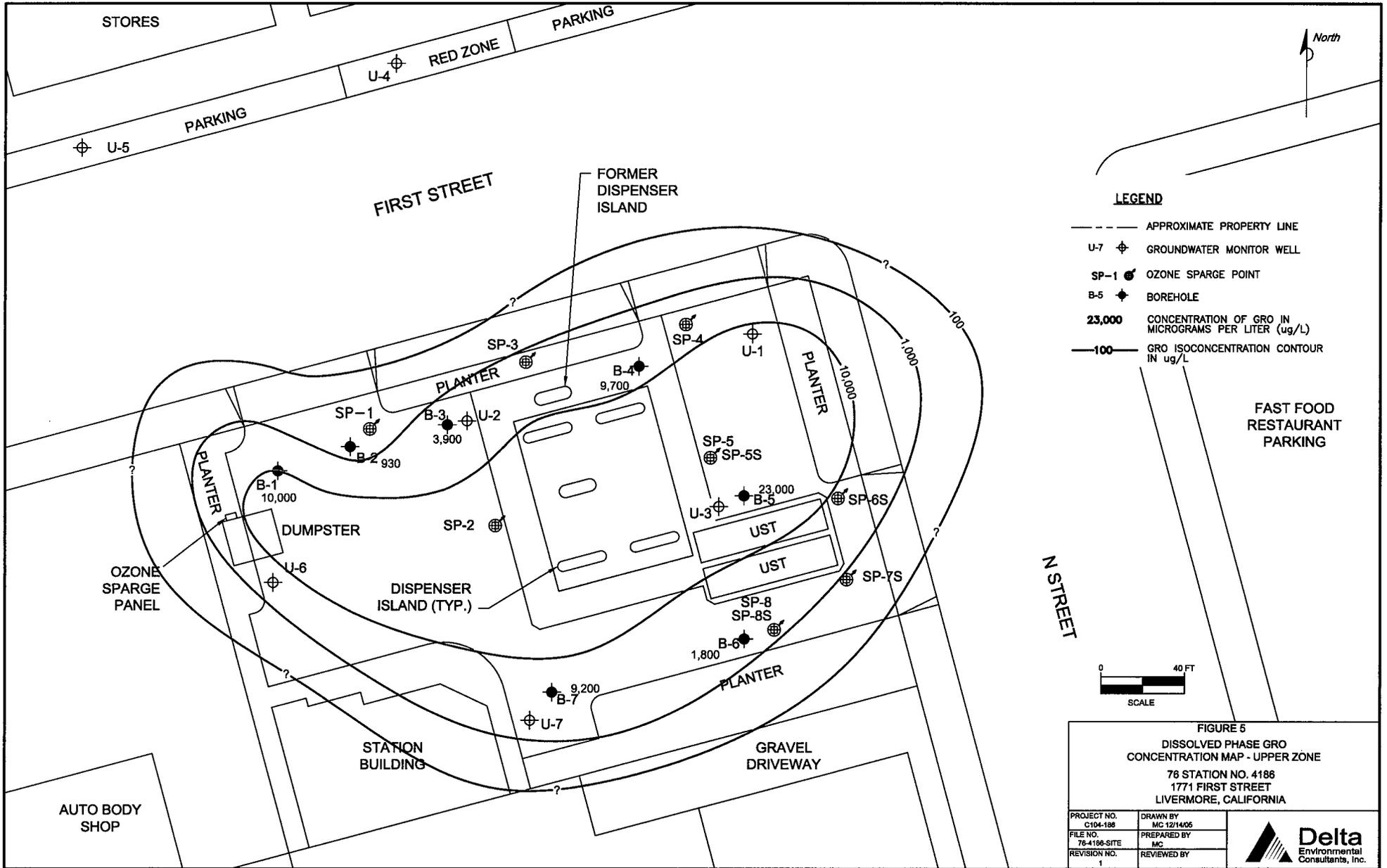


FIGURE 4
GEOLOGIC CROSS SECTION B-B'

76 STATION NO. 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

PROJECT NO. C104-186	DRAWN BY MC 5/22/06
FILE NO. 76-4186-XS	PREPARED BY BW
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LEGEND

- APPROXIMATE PROPERTY LINE
- U-7 ⊕ GROUNDWATER MONITOR WELL
- SP-1 ⊕ OZONE SPARGE POINT
- B-5 ⊕ BOREHOLE
- 23,000 CONCENTRATION OF GRO IN MICROGRAMS PER LITER (ug/L)
- 100 GRO ISOCONCENTRATION CONTOUR IN ug/L

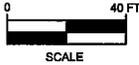
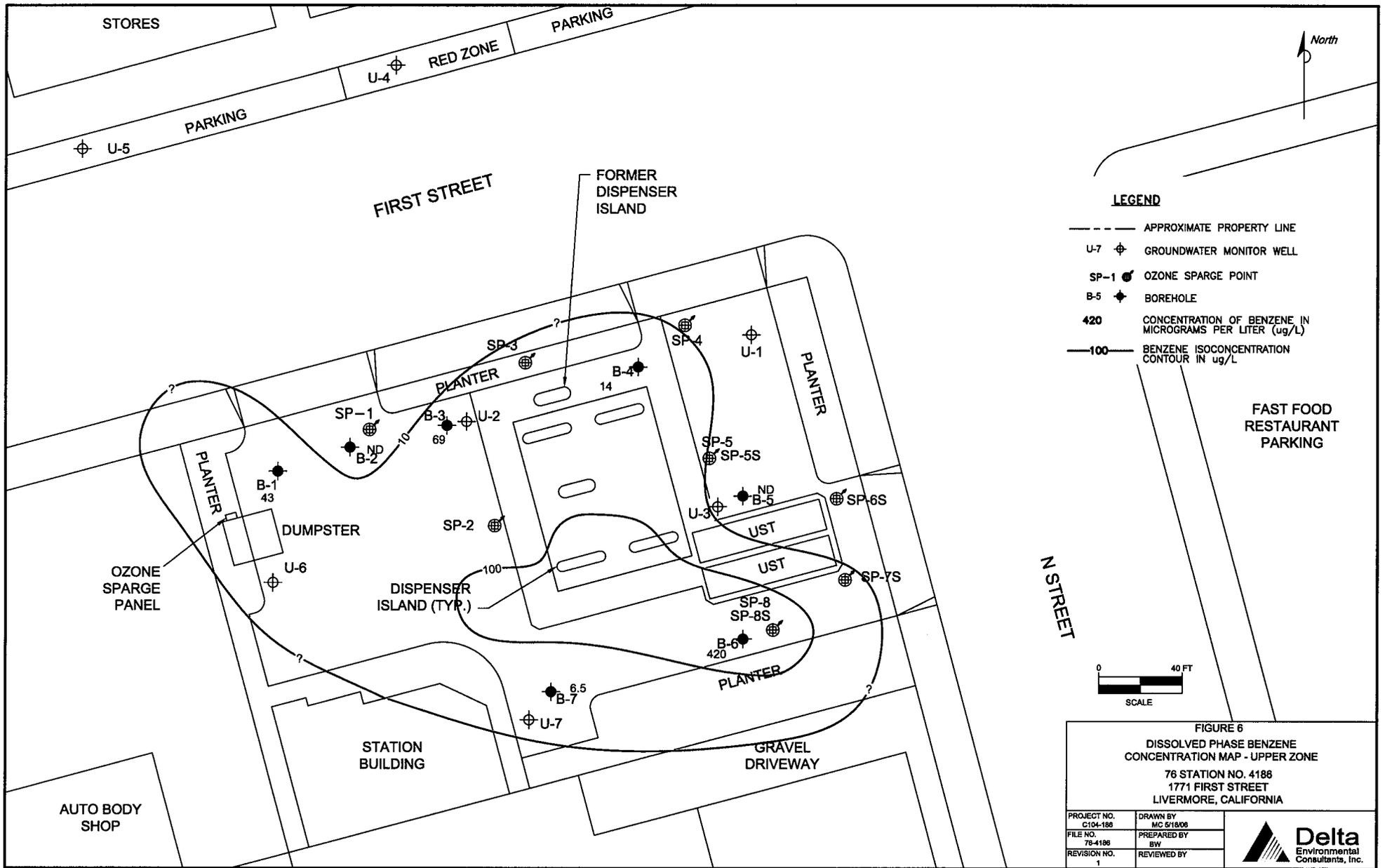


FIGURE 5
 DISSOLVED PHASE GRO
 CONCENTRATION MAP - UPPER ZONE
 76 STATION NO. 4186
 1771 FIRST STREET
 LIVERMORE, CALIFORNIA

PROJECT NO. C104-186	DRAWN BY MC 12/14/05
FILE NO. 76-4186-SITE	PREPARED BY MC
REVISION NO. 1	REVIEWED BY





LEGEND

- APPROXIMATE PROPERTY LINE
- U-7 ⊕ GROUNDWATER MONITOR WELL
- SP-1 ⊕ OZONE SPARGE POINT
- B-5 ◆ BOREHOLE
- 420 CONCENTRATION OF BENZENE IN MICROGRAMS PER LITER (ug/L)
- 100 BENZENE ISOCONCENTRATION CONTOUR IN ug/L

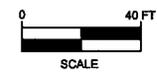
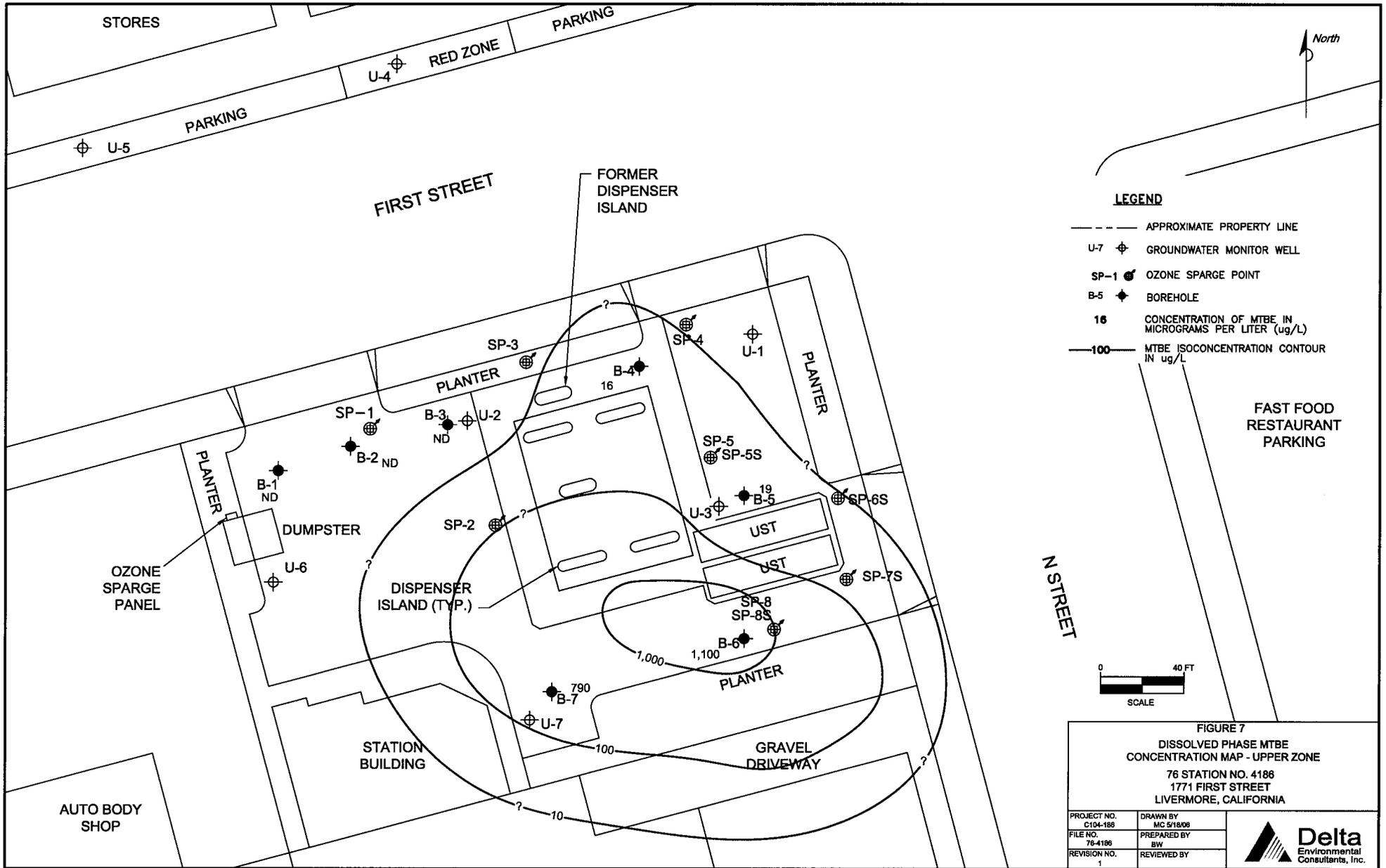


FIGURE 6
DISSOLVED PHASE BENZENE
CONCENTRATION MAP - UPPER ZONE
76 STATION NO. 4188
1771 FIRST STREET
LIVERMORE, CALIFORNIA

PROJECT NO. C104-188	DRAWN BY MC 5/18/06
FILE NO. 76-4188	PREPARED BY BW
REVISION NO. 1	REVIEWED BY

Delta
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Consultants, Inc.



LEGEND

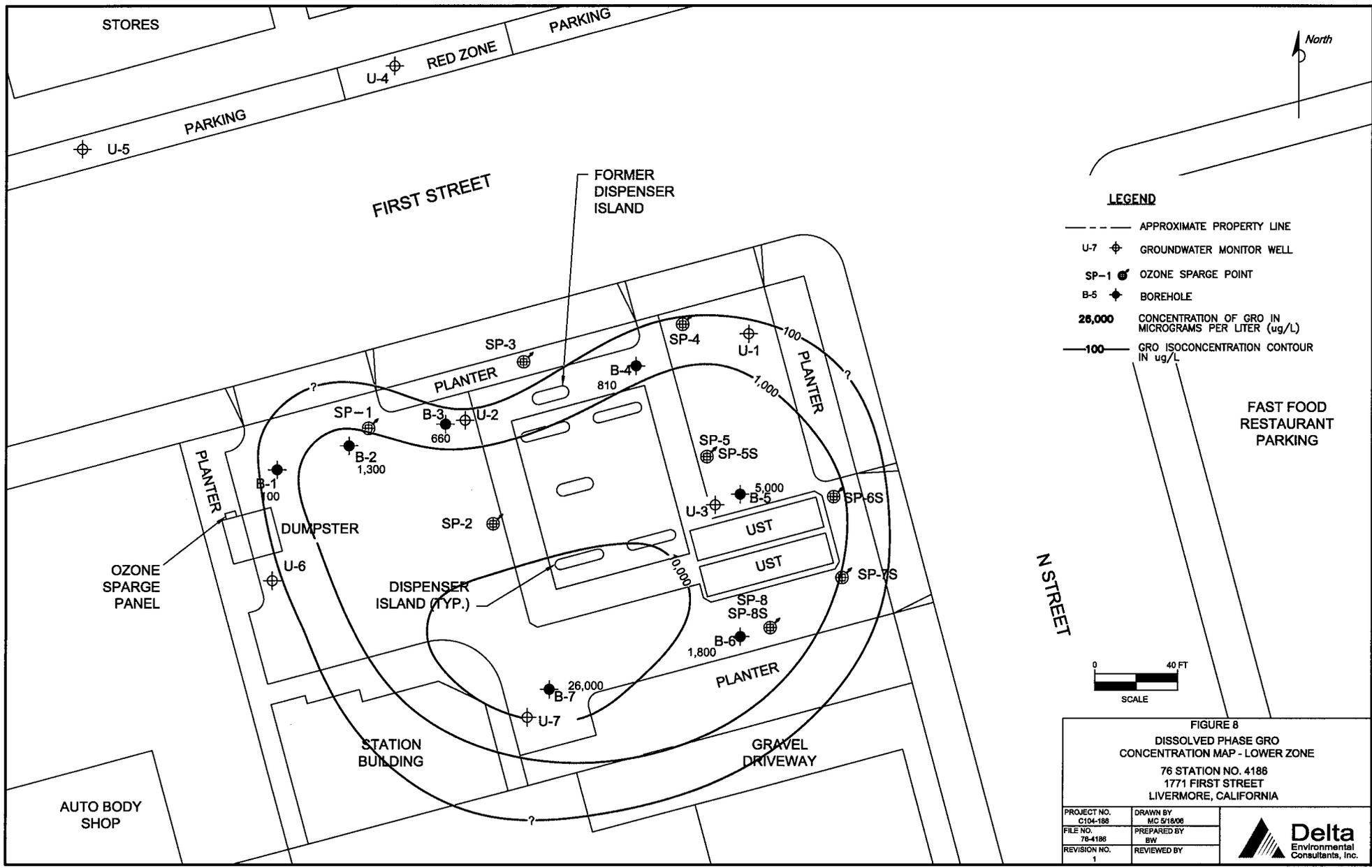
- APPROXIMATE PROPERTY LINE
- U-7 ⊕ GROUNDWATER MONITOR WELL
- SP-1 ⊕ OZONE SPARGE POINT
- B-5 ⊕ BOREHOLE
- 16 CONCENTRATION OF MTBE IN MICROGRAMS PER LITER (ug/L)
- 100 MTBE ISOCONCENTRATION CONTOUR IN ug/L



FIGURE 7
 DISSOLVED PHASE MTBE
 CONCENTRATION MAP - UPPER ZONE
 76 STATION NO. 4188
 1771 FIRST STREET
 LIVERMORE, CALIFORNIA

PROJECT NO. C104-188	DRAWN BY MC 9/18/06
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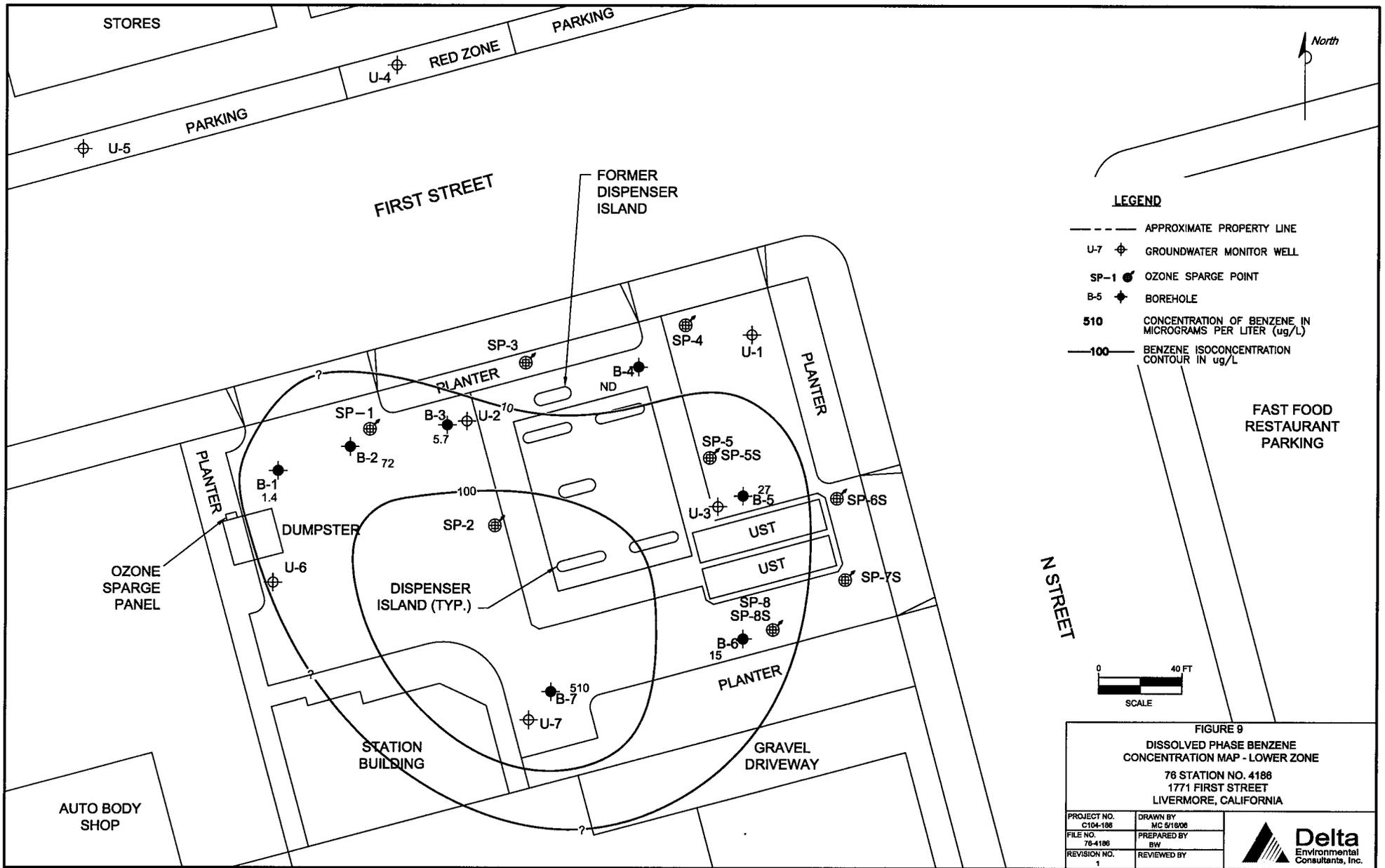
LEGEND

- APPROXIMATE PROPERTY LINE
- U-7 ⊕ GROUNDWATER MONITOR WELL
- SP-1 ⊕ OZONE SPARGE POINT
- B-5 ◆ BOREHOLE
- 26,000 CONCENTRATION OF GRO IN MICROGRAMS PER LITER (ug/L)
- 100 GRO ISOCONCENTRATION CONTOUR IN ug/L

FIGURE 8
 DISSOLVED PHASE GRO
 CONCENTRATION MAP - LOWER ZONE
 76 STATION NO. 4186
 1771 FIRST STREET
 LIVERMORE, CALIFORNIA

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FILE NO. 78-4186	PREPARED BY BY
REVISION NO. 1	REVIEWED BY





LEGEND

- APPROXIMATE PROPERTY LINE
- U-7 GROUNDWATER MONITOR WELL
- SP-1 OZONE SPARGE POINT
- B-5 BOREHOLE
- 510 CONCENTRATION OF BENZENE IN MICROGRAMS PER LITER (ug/L)
- 100 BENZENE ISOCONCENTRATION CONTOUR IN ug/L

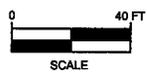
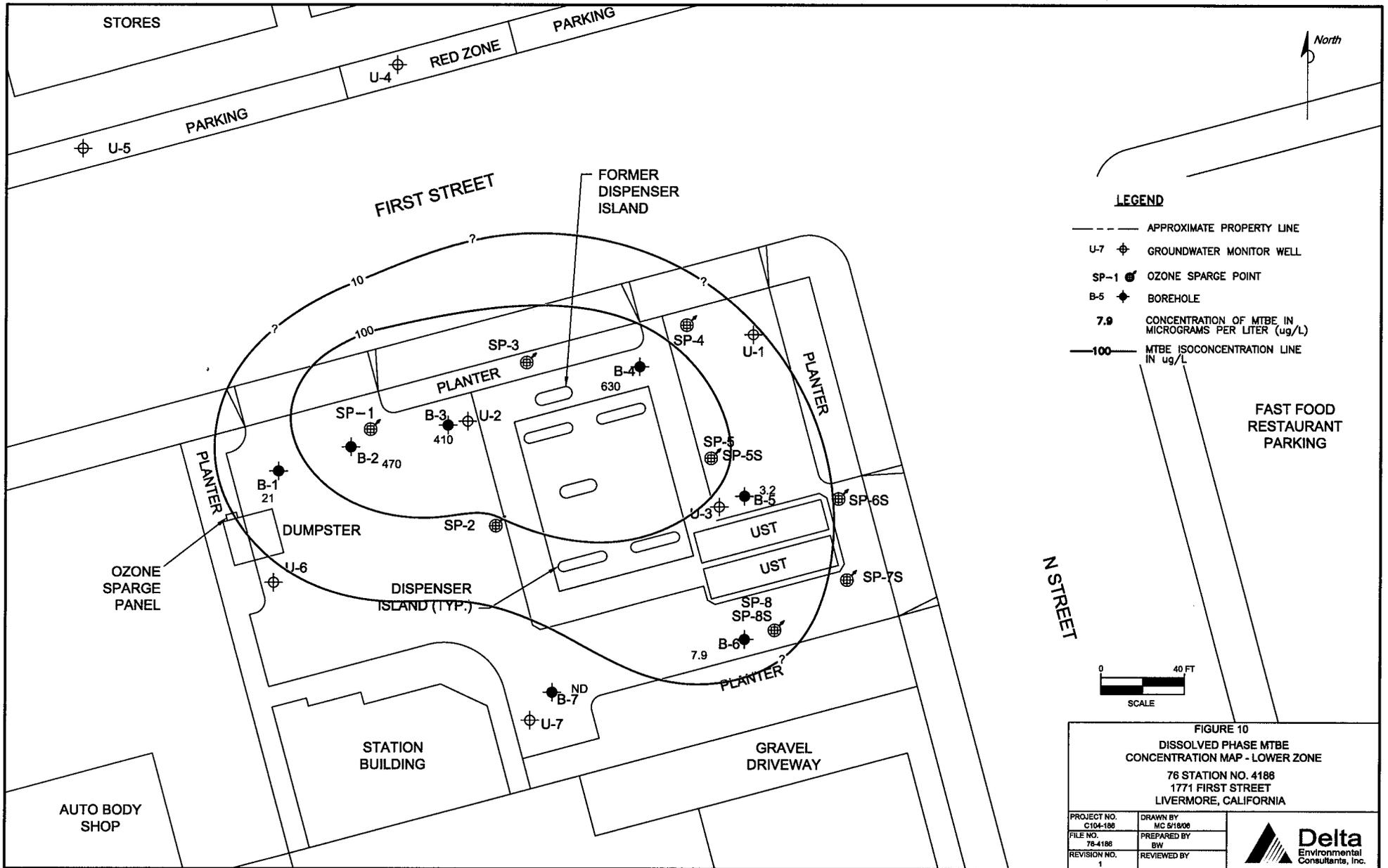


FIGURE 9
 DISSOLVED PHASE BENZENE
 CONCENTRATION MAP - LOWER ZONE
 76 STATION NO. 4186
 1771 FIRST STREET
 LIVERMORE, CALIFORNIA

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FILE NO. 76-4186	PREPARED BY BW
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Delta
Environmental
Consultants, Inc.



Tables

Table 1

SOIL ANALYTICAL RESULTS
 Conocophillips Station No. 4186
 1771 First Street, Livermore California

Sample ID	Date	Depth (feet)	TPH-G (mg/Kg)	TPH-D (mg/Kg)	GRO (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl- benzene (mg/Kg)	Total Xylenes (mg/Kg)	MTBE (mg/Kg)	TBA (mg/Kg)	ETBE (mg/Kg)	TAME (mg/Kg)	DIPE (mg/Kg)	Ethanol (mg/Kg)	Lead (mg/Kg)
Soil																
B-1@40'	4/20/2006	40	---	---	2.8	ND	ND	0.024	ND	ND	ND	ND	ND	ND	ND	---
B-1@45'	4/20/2006	45	---	---	450	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	---
B-1@60'	4/20/2006	60	---	---	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
B-2@40'	4/19/2006	40	---	---	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	---
B-2@45'	4/19/2006	45	---	---	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	58	---
B-2@60'	4/19/2006	60	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
B-3@35'	4/20/2006	35	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
B-3@40'	4/20/2006	40	---	---	30	ND	ND	0.20	0.42	ND	ND	ND	ND	ND	ND	---
B-3@65'	4/20/2006	65	---	---	ND	ND	ND	0.0069	0.026	ND	ND	ND	ND	ND	ND	---
B-4@10'	4/26/2006	10	---	---	---	---	---	---	---	---	---	---	---	---	---	3.9
B-4@40'	4/26/2006	40	---	---	0.35	ND	ND	ND	0.031	0.019	ND	ND	ND	ND	ND	---
B-4@50'	4/26/2006	50	---	---	0.89	ND	ND	ND	0.023	0.088	0.01	ND	ND	ND	ND	---
B-4@60'	4/26/2006	60	---	---	ND	ND	ND	ND	ND	0.02	0.06	ND	ND	ND	ND	---
B-5@40'	4/25/2006	40	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
B-5@50'	4/26/2006	50	---	---	4.4	0.015	0.026	0.07	0.19	0.02	ND	ND	ND	ND	ND	---
B-5@60'	4/26/2006	60	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
B-6@25'	4/25/2006	25	---	---	0.54	ND	ND	ND	ND	0.29	0.17	ND	ND	ND	ND	---
B-6@35'	4/25/2006	35	---	---	ND	ND	ND	ND	ND	0.24	ND	ND	ND	ND	ND	---
B-6@46'	4/25/2006	46	---	---	1.2	0.069	ND	ND	ND	0.093	0.034	ND	ND	ND	ND	---
B-6@55'	4/25/2006	55	---	---	190	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	---
B-7@35'	4/21/2006	35	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
B-7@45'	4/21/2006	45	---	---	700	1.3	ND	5.6	14	ND	ND	ND	ND	ND	27	---
B-7@55'	4/21/2006	55	---	---	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---

TPH-G = total petroleum hydrocarbons as gasoline
 TPH-D = total petroleum hydrocarbons as diesel
 GRO = gasoline range organics C6-C12 by EPA Method 8260B
 BTEX = benzene, toluene, ethylbenzene, total xylenes by EPA Method 8260B
 MTBE = methyl tertiary butyl ether by EPA Method 8260B
 TBA = tertiary butyl alcohol by EPA Method 8260B
 ETBE = ethyl tertiary butyl ether by EPA Method 8260B
 DIPE = di-isopropyl ether by EPA Method 8260B
 TAME = tertiary amyl methyl ether by EPA Method 8260B

Ethanol was analyzed by EPA Method 8260B
 Lead was analyzed by EPA Method 6010
 --- = not analyzed
 ND = not detected above the laboratory detection limit
Bold = detected compound concentration
 EPA = US Environmental Protection Agency

Table 2

GROUNDWATER ANALYTICAL RESULTS
Conocophillips Station No. 4186
1771 First Street, Livermore California

Sample ID	Date	Depth (feet)	TPH-G (µg/L)	TPH-D (µg/L)	GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	ETBE (µg/L)	TAME (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	Lead (µg/L)
Upper Zone																
B-1@41'	4/20/2006	41	---	---	10,000	43	ND	830	39	ND	ND	ND	ND	ND	ND	---
B-2@38'	4/19/2006	38	---	---	930	ND	0.78	ND	1.5	ND	ND	ND	ND	ND	ND	---
B-3@38'	4/20/2006	38	---	---	3,900	6.9	ND	18	14	ND	ND	ND	ND	ND	ND	---
B-4@43'	4/26/2006	43	---	---	9,700	14	ND	40	44	16	ND	ND	ND	ND	ND	---
B-5@44'	4/26/2006	44	---	---	23,000	ND	11	8.2	370	19	250	ND	ND	ND	ND	---
B-6@43'	4/25/2006	43	---	---	1,800	420	ND	35	120	1,100	250	ND	ND	ND	ND	---
B-7@39'	4/21/2006	39	---	---	9,200	6.5	1.6	90	210	790	180	ND	ND	ND	ND	---
Lower Zone																
B-1@62'	4/20/2006	62	---	---	100	1.4	ND	ND	ND	21	ND	ND	ND	ND	ND	---
B-2@61'	4/19/2006	61	---	---	1,300	72	ND	1.4	ND	470	290	ND	ND	ND	ND	---
B-3@62'	4/20/2006	62	---	---	660	5.7	ND	4.6	5.1	410	69	ND	ND	ND	ND	---
B-4@63'	4/26/2006	63	---	---	810	ND	ND	ND	ND	630	170	ND	ND	ND	ND	---
B-5@65'	4/25/2006	65	---	---	5,000	27	210	120	820	3.2	ND	ND	ND	ND	ND	---
B-6@63'	4/25/2006	63	---	---	1,800	15	ND	28	21	7.9	ND	ND	ND	ND	ND	---
B-7@57'	4/21/2006	57	---	---	26,000	510	ND	270	250	ND	ND	ND	ND	ND	ND	---

TPH-G = total petroleum hydrocarbons as gasoline

TPH-D = total petroleum hydrocarbons as diesel

GRO = gasoline range organics C6-C12 by EPA Method 8260B

BTEX = benzene, toluene, ethylbenzene, total xylenes by EPA Method 8260B

MTBE = methyl tertiary butyl ether by EPA Method 8260B

TBA = tertiary butyl alcohol by EPA Method 8260B

ETBE = ethyl tertiary butyl ether by EPA Method 8260B

DIPE = di-isopropyl ether by EPA Method 8260B

TAME = tertiary amyl methyl ether by EPA Method 8260B

Ethanol was analyzed by EPA Method 8260B

Lead was analyzed by EPA Method 6010

--- = not analyzed

ND = not detected above the laboratory detection limit

Bold = detected compound concentration

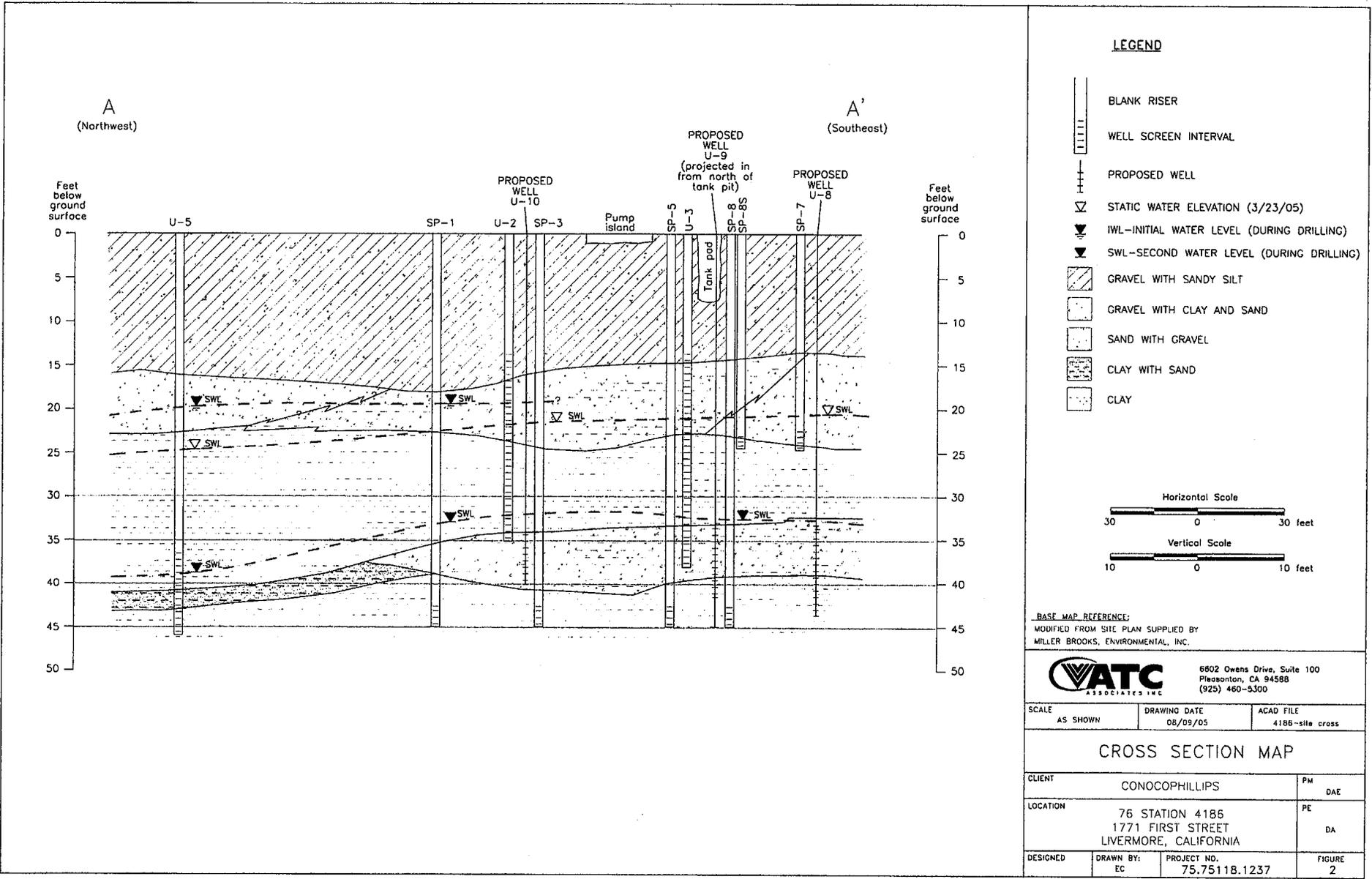
EPA = US Environmental Protection Agency

Upper zone = 36' to 43'

Lower zone = 55' to maximum depths explored

Attachment A

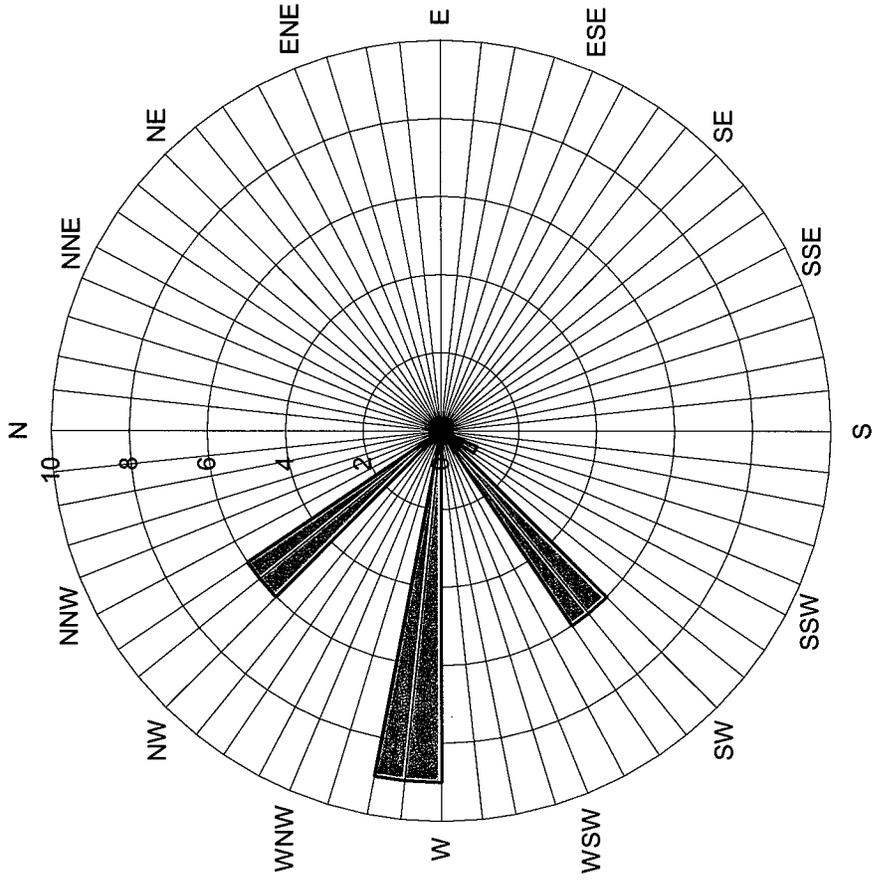
ATC Cross Section Map



Attachment B

Historical Groundwater Flow Directions

Historic Groundwater Flow Directions
ConocoPhillips Site No. 4186
1771 First Street
Livermore, California



Legend
Concentric circles represent
quarterly monitoring events
Fourth Quarter 2000 through First
Quarter 2006
22 data points shown

Groundwater Flow Direction

Attachment C

CPT Site Investigation



GREGG DRILLING AND TESTING, INC.

ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATION SERVICES

May 2, 2006

Delta Environmental
Attn: Ben Wright
3164 Gold Camp Road, Suite 200
Rancho Cordova, California 95670

Subject: CPT Site Investigation
1771 1st St.
Livermore, California
GREGG Project Number: 06-145MA

Dear Mr. Wright:

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

1	Cone Penetration Tests	(CPTU)	<input checked="" type="checkbox"/>
2	Pore Pressure Dissipation Tests	(PPD)	<input checked="" type="checkbox"/>
3	Seismic Cone Penetration Tests	(SCPTU)	<input type="checkbox"/>
4	Resistivity Cone Penetration Tests	(RCPTU)	<input type="checkbox"/>
5	UVIF Cone Penetration Tests	(UVIFCPTU)	<input type="checkbox"/>
6	Groundwater Sampling	(GWS)	<input checked="" type="checkbox"/>
7	Soil Sampling	(SS)	<input checked="" type="checkbox"/>
8	Vapor Sampling	(VS)	<input type="checkbox"/>
9	Vane Shear Testing	(VST)	<input type="checkbox"/>
10	SPT Energy Calibration	(SPTE)	<input type="checkbox"/>

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 (925) 313-5800.

Sincerely,
GREGG Drilling & Testing, Inc.

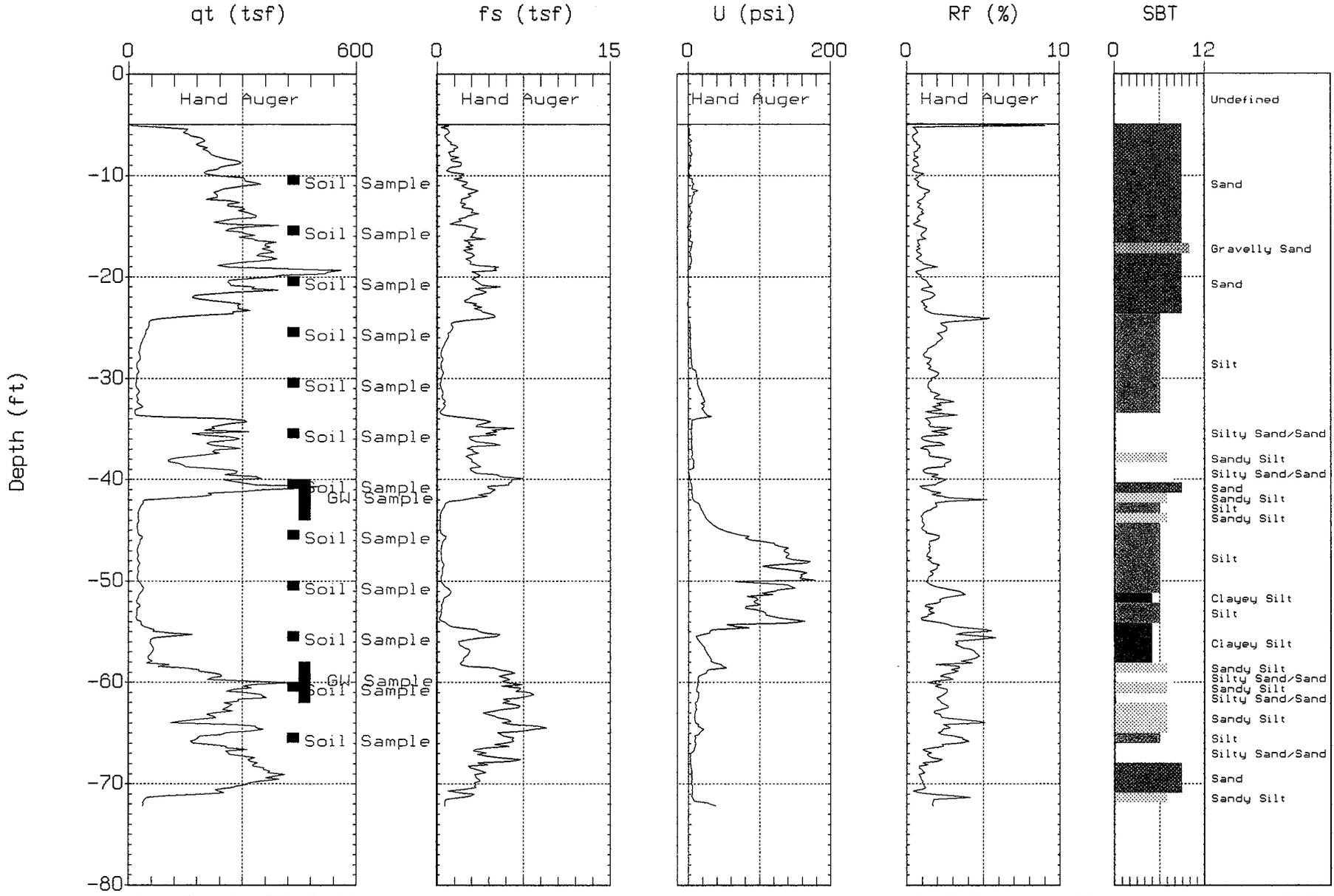
Mary Walden
Operations Manager



DELTA ENV.

Site: 1771 1ST ST.
Location: B-1

Engineer: B. WRIGHT
Date: 04:19:06 15:38



Max. Depth: 72.18 (ft)
Depth Inc.: 0.164 (ft)

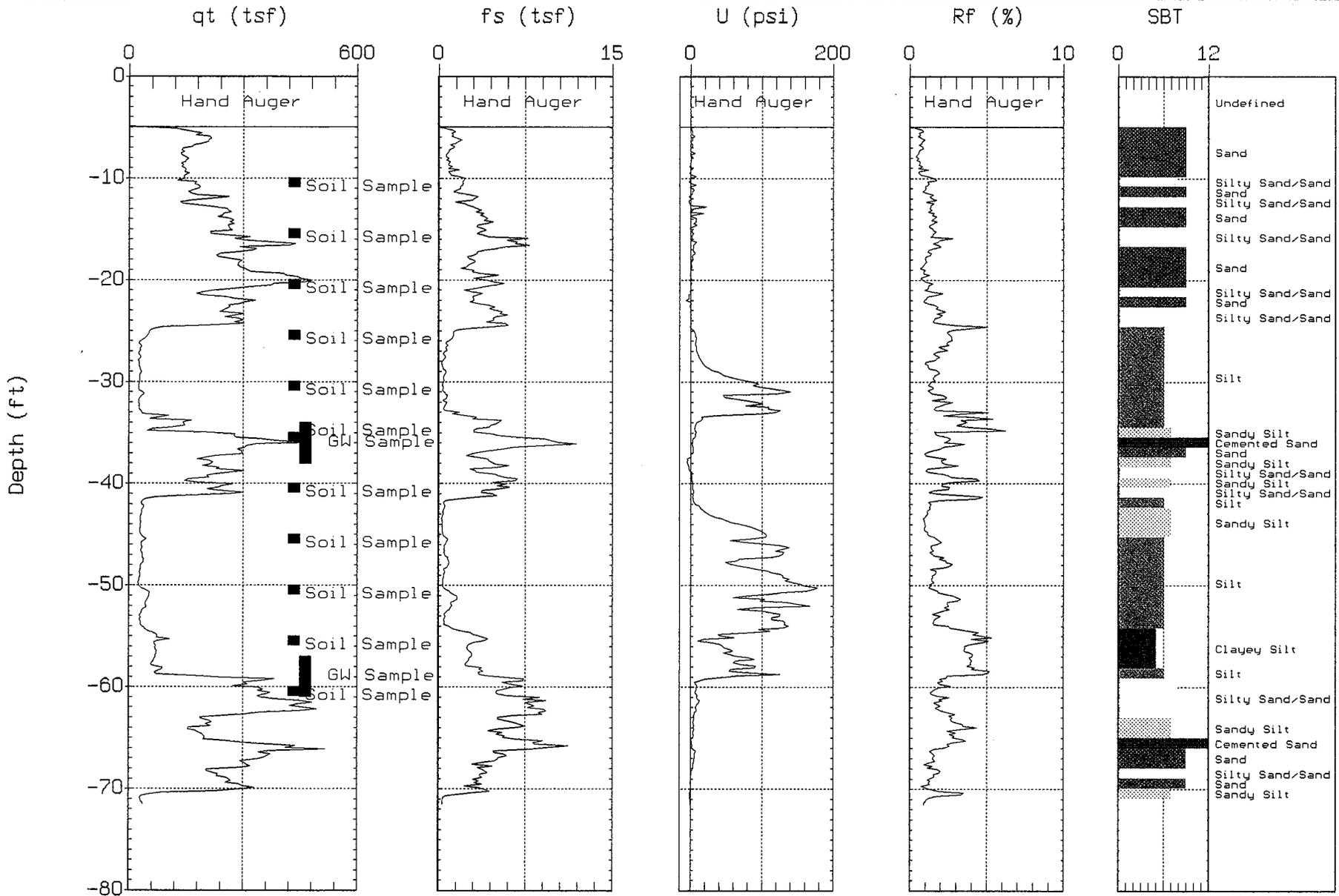
SBT: Soil Behavior Type (Robertson 1990)



DELTA ENV.

Site: 1771 1ST ST.
Location: B-2

Engineer: B. WRIGHT
Date: 04:19:06 09:30



Max. Depth: 71.52 (ft)
Depth Inc.: 0.164 (ft)

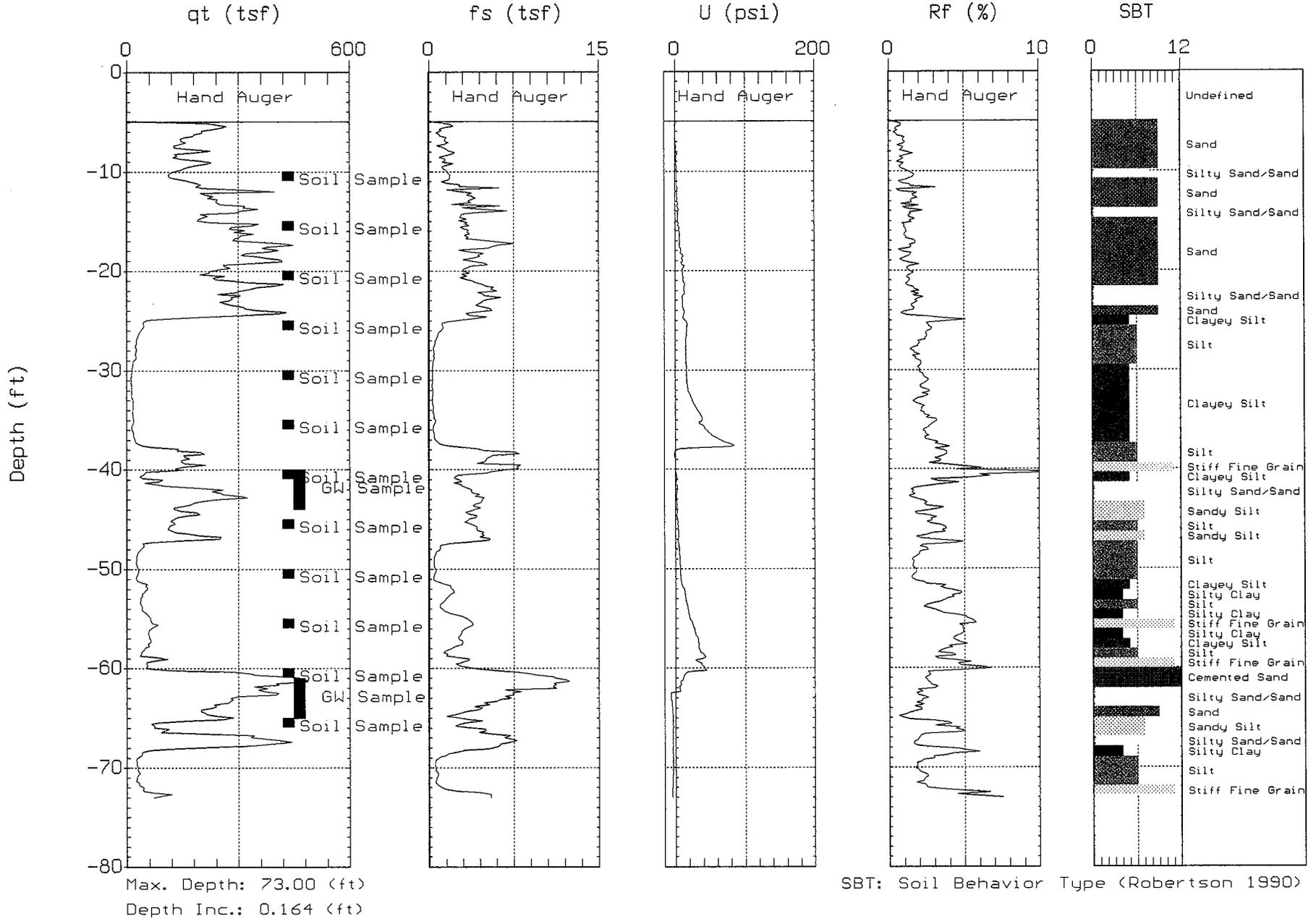
SBT: Soil Behavior Type (Robertson 1990)



DELTA ENV.

Site: 1771 1ST ST.
Location: B-4

Engineer: B. WRIGHT
Date: 04/26/06 12:29

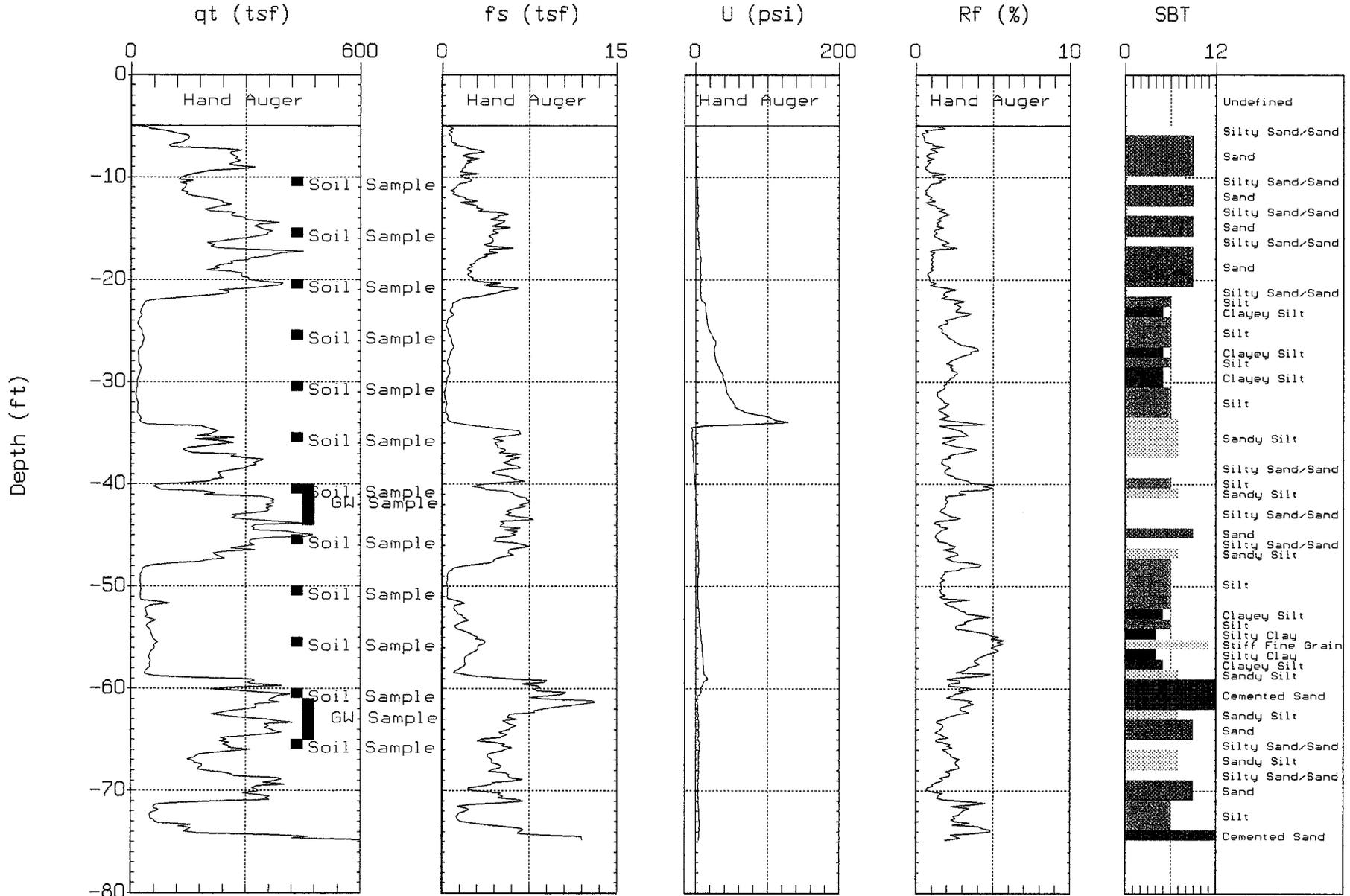




DELTA ENV.

Site: 1771 1ST ST.
Location: B-5

Engineer: B.WRIGHT
Date: 04:25:06 15:09



Max. Depth: 74.80 (ft)
Depth Inc.: 0.164 (ft)

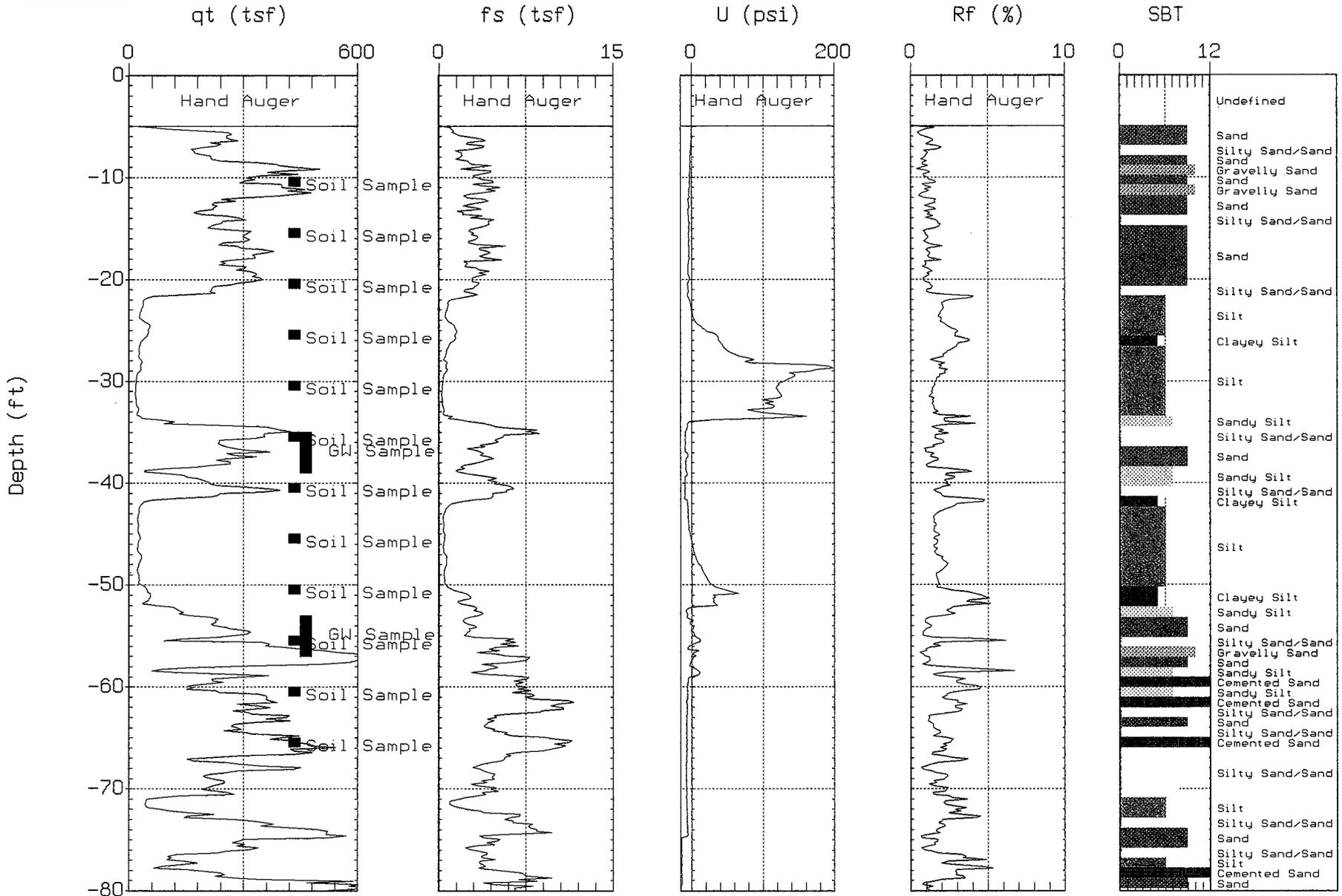
SBT: Soil Behavior Type (Robertson 1990)



DELTA ENV.

Site: 1771 1ST ST.
Location: B-7

Engineer: B.WRIGHT
Date: 04:21:06 07:54



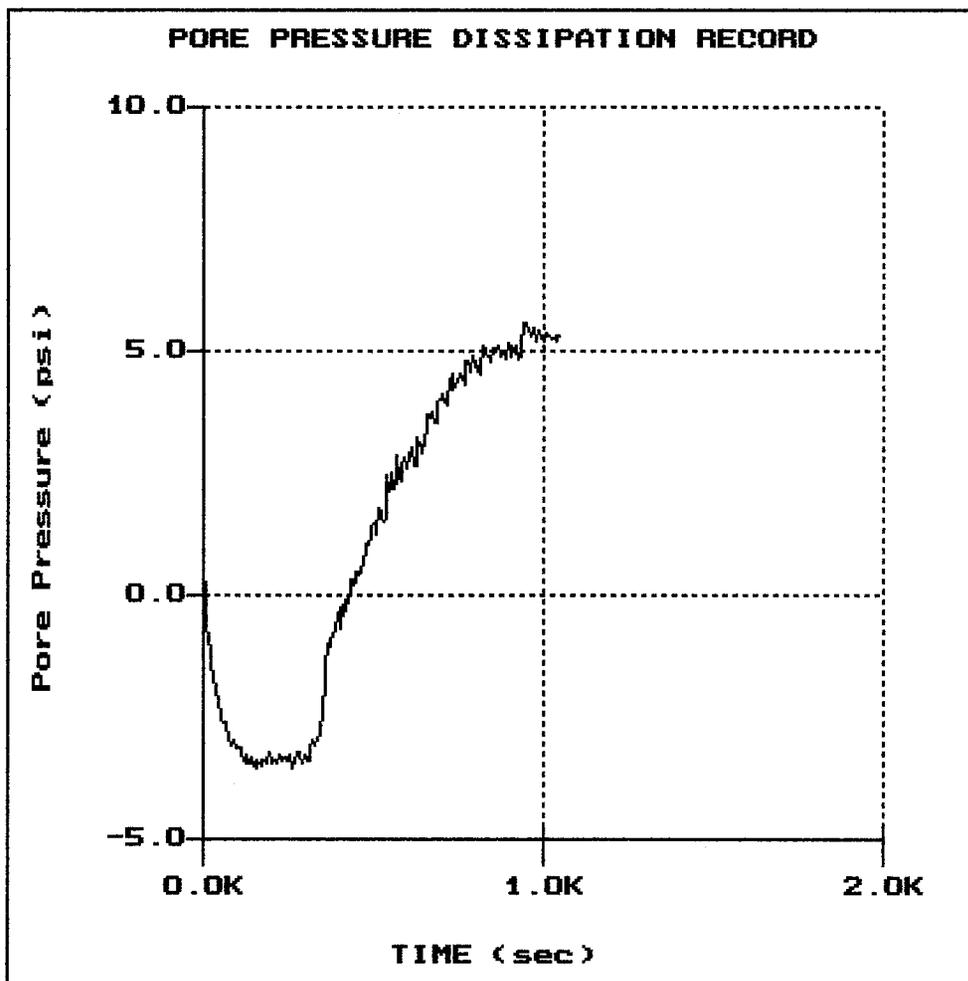
Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

DELTA ENV.

Site: 1771 1ST ST.
Location: B-2

Engineer: B. WRIGHT
Date: 04:19:06 09:30

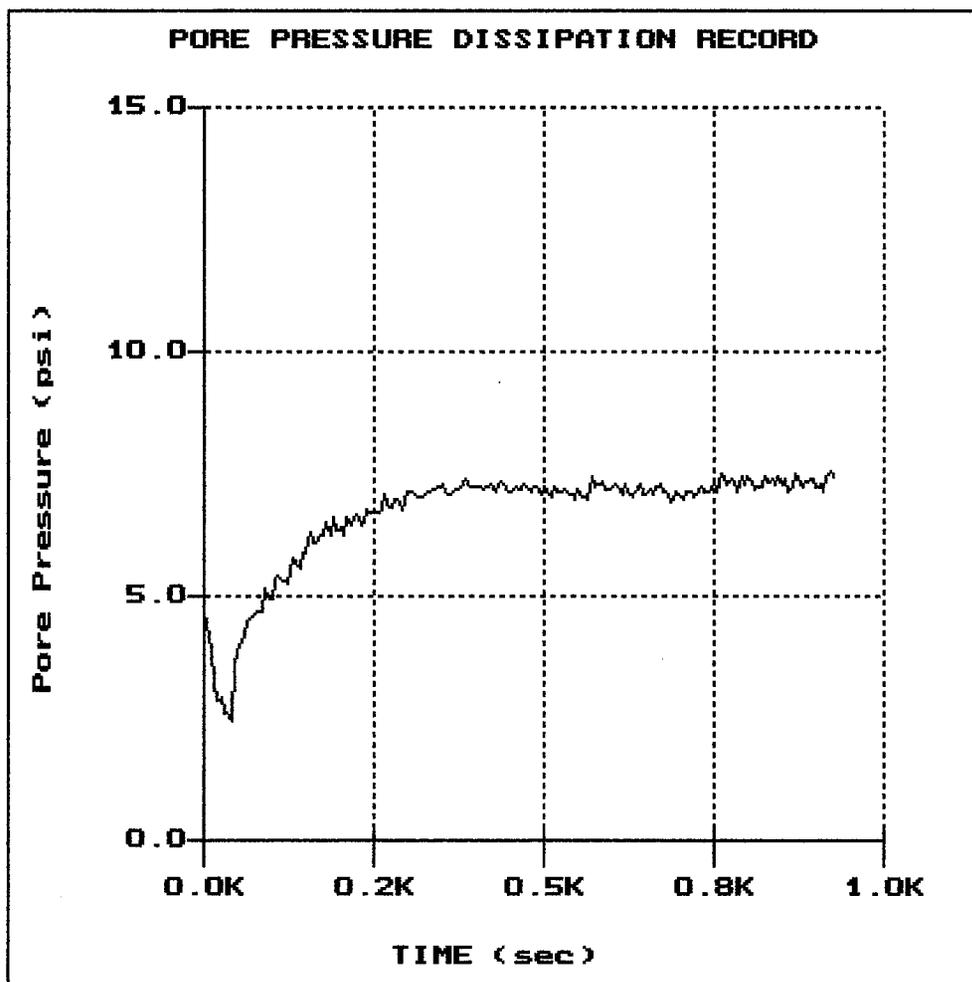


File: 145C02.PPC
Depth (m): 11.40
 (ft): 37.40
Duration : 1045.0s
U-min: -3.52 260.0s
U-max: 5.59 945.0s

DELTA ENV.

Site: 1771 1ST ST.
Location: B-1

Engineer: B. WRIGHT
Date: 04:19:06 15:38



File: 145C01.PPC
Depth (m): 11.55
(ft): 37.89
Duration: 925.0s
U-min: 2.44 40.0s
U-max: 7.55 920.0s

APPENDIX CPT



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)

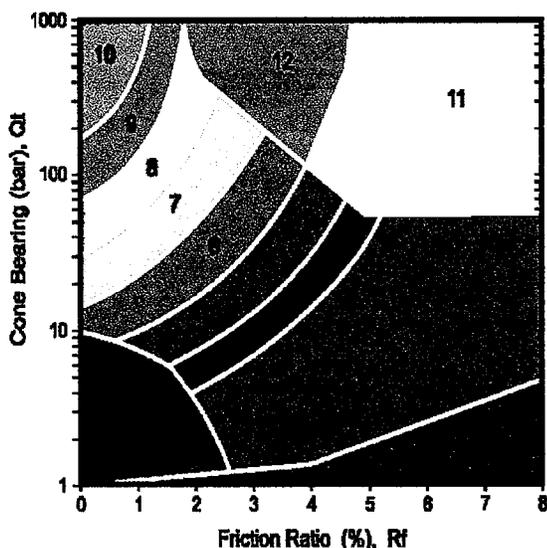
Cohesionless soils (sands)

- 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, 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.



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	Gravelly sand to sand
11	1	Very stiff fine grained*
12	2	Sand to clayey sand*

*over consolidated or cemented

Figure SBT



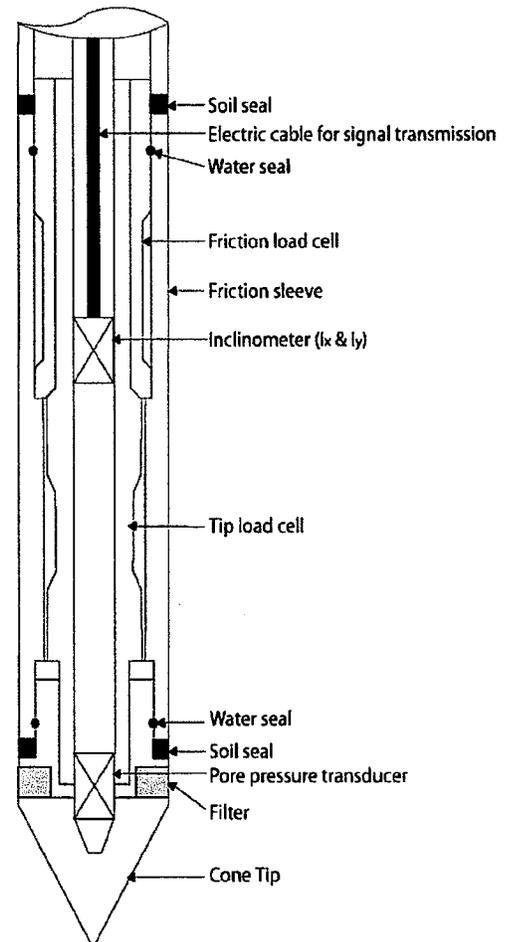
Cone Penetration Testing Procedure (CPT)

Gregg Drilling & Testing, 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 cm² and a friction sleeve area of 225 cm². 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 penetration 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 penetration 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.

When the soundings are complete, the test holes are grouted using a Gregg In Situ support rig. The grouting procedures generally consist 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.



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 permeability (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, *Figure PPDT*. This time is commonly referred to as t_{100} , the point at which 100% of the excess pore pressure has dissipated.

A complete reference on pore pressure dissipation tests is presented by Robertson et al. 1992.

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.

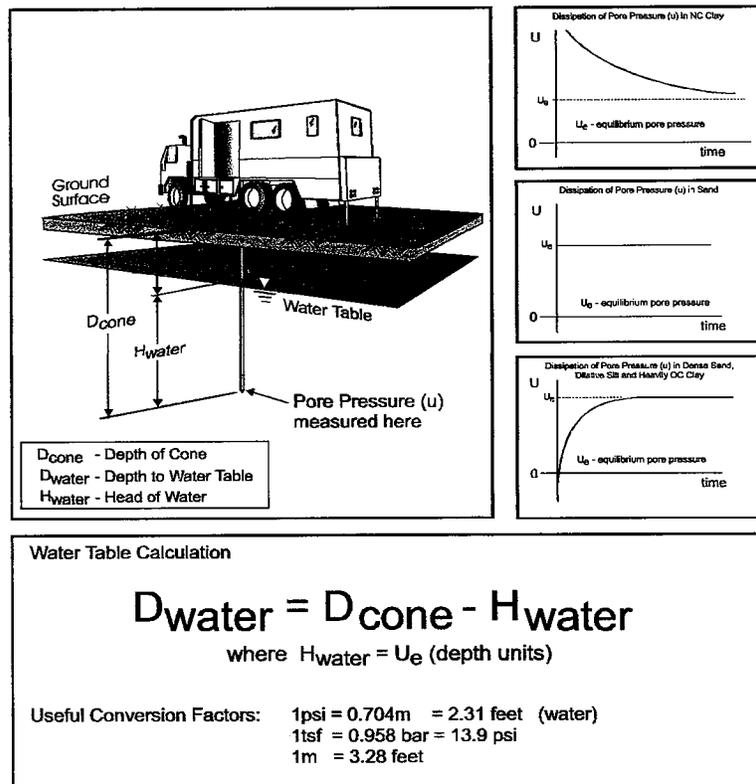


Figure PPDT



Bibliography

Lunne, T., Robertson, P.K. and Powell, J.J.M., "Cone Penetration Testing in Geotechnical Practice" E & FN Spon. ISBN 0 419 23750, 1997

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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.

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

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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

Attachment D

Boring Logs

Delta

Environmental Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetration Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/20/06

Hole Diameter: 1.75"

Hole Depth: 65.5'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

B-1

Page 1 of 3

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6") ↑ Air Knife ↓	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		moist			1			GM	Silty GRAVEL with sand; brown; medium dense; medium to coarse sand; subangular to rounded gravel and sand; no odor. (70,15,15)	
					2					
					3					
					4					
					5					
					6					
					7					
					8					
					9					
			moist	0		10		B-1@ 10'	SM	Silty SAND with gravel; brown; well graded sand; subangular to rounded sand and gravel; dense; no odor. (20,60,20)
						11				
						12				
			moist	0		14			SM	As above; gray.
						15		B-1@ 15'		
						16				
						17				
						18				
			moist	0		20			SM	As above; brown.
						21				
						22				

Delta

Environmental Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetration Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/20/06

Hole Diameter: 1.75"

Hole Depth: 65.5'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

B-1

Page 2 of 3

Location Map

See Site Map

Well Completion		Static Water Level	Elevation			Northing			Easting	LITHOLOGY / DESCRIPTION
Backfill	Casing		Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Interval	Soil Type	
Neat Cement										
			moist	0		23				
						24				
						25	B-1@	25'	CL	Lean CLAY; brown; high plasticity; some sand; medium stiff; no odor. (0,10,90)
						26				
						27				
						28				
						29				
			wet	0		30	B-1@	30'	CL	As above.
						31				
						32				
						33				
						34				
			sat	0		35	B-1@	35'	SM	Silty SAND with gravel; grayish brown; well graded sand and gravel; medium dense; saturated; no odor. (20,60,20)
						36				
						37				
						38				
						39				
			sat	120		40	B-1@	40'	SM	As above; odor.
						41				
						42				
					43					
					44		X		Groundwater sampled @ 44'	

Delta

Environmental Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-1

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 3 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/20/06

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 65.5'

Casing Type: NA

Well Diameter: NA

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		sat	290		45	B-1@	45'	CL	Lean CLAY; brown; high plasticity; soft; saturated; strong odor. (0,0,100)	
					46					
					47					
					48					
					49					
			sat	8		50	B-1@	50'	CL	As above; some gravel and sand. (5,5,90)
						51				
						52				
						53				
						54				
			wet	0		55	B-1@	55'	CL	As above.
						56				
						57				
						58				
						59				
			sat	9		60	B-1@	60'	SM	Silty SAND with gravel; grayish brown; well graded sand and gravel; subangular to rounded sand and gravel; medium dense; saturated; no odor. (20,60,20)
					61					
					62		X		Groundwater sampled @ 62'	
					63					
					64					
		sat	3		65	B-1@	65'	SM	As above.	
					66				Total Depth = 65.5'	

Delta

Environmental Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetrometer Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/19/06

Hole Diameter: 1.75"

Hole Depth: 61.0'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

B-2

Page 1 of 3

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6") ↑ Air Knife ↓	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		moist			1			GM	Silty GRAVEL with sand; brown; medium dense; medium to coarse sand; subangular to rounded gravel and sand; no odor. (70,15,15)	
					2					
					3					
					4					
					5					
					6					
					7					
					8					
					9					
			moist	0		10			SM	Silty SAND with gravel; grayish brown; well graded sand; subangular to rounded sand and gravel; medium dense; no odor. (20,60,20)
						11	B-2@ 10'			
						12				
						13				
						14				
			moist	0		15			SM	As above.
						16	B-2@ 15'			
						17				
						18				
						19				
			moist	0		20			SM	As above.
						21	B-2@ 20'			
						22				

Delta

Environmental Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetration Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/19/06

Hole Diameter: 1.75"

Hole Depth: 61.0'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

B-2

Page 2 of 3

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION			
						Recovery	Interval					
Neat Cement	▽	moist	0		23			CL	Lean CLAY; brown; high plasticity; stiff; no odor; some sand. (0,10,90)			
					24							
					25							
					26	B-2@	25'					
					27							
					28							
					29							
					30							
					31	B-2@	30'					
					32							
					33							
					34							
					35					SM	Silty SAND with gravel; grayish brown; well graded subangular to rounded sand and gravel; medium dense; moist; no odor. (20,60,20)	
					36	B-2@	35'					
					37							
					38		X					Groundwater sampled @ 38'
					39							
					40							
					41	B-2@	40'					As above; saturated; strong odor.
					42							
					43							
					44							
							sat					173

Delta

Environmental Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-2

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 3 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/19/06

Location Map

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 61.0'

Casing Type: NA

Well Diameter: NA

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		sat	157		45			CL	Lean CLAY ; brown; high plasticity; medium stiff; some sand; strong odor; saturated. (0,10,90)	
					46	B-2@	45'			
					47					
						48				
						49				
			moist	20		50			CL	As above; slight odor.
						51	B-2@	50'		
						52				
						53				
						54				
			moist	2		55			CL	As above; no odor. (0,20,80)
						56	B-2@	55'		
						57				
						58				
						59				
			sat	6		60			SM	Silty SAND with gravel
					61	B-2@	60'		Groundwater sampled @ 61'	
					62		X		Total Depth = 61.0'	
					63					
					64					
					65					
					66					

Delta

Environmental Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetration Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/20/06

Hole Diameter: 1.75"

Hole Depth: 65.5'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

B-3

Page 1 of 3

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6") Air Knife	Depth (feet)	Sample Recovery	Interval	Soil Type	LITHOLOGY / DESCRIPTION	
Neat Cement		moist			1			GM	Silty GRAVEL with sand; brown; medium dense; medium to coarse sand; subangular to rounded gravel and sand; no odor. (70,15,15)	
					2					
					3					
					4					
					5					
					6					
					7					
					8					
					9					
			moist	0		10	B-3@ 10'		SM	Silty SAND with gravel; brown; well graded sand; subangular to rounded sand and gravel; dense; moist; no odor. (20,60,20)
						11				
						12				
			moist	0		14			SM	As above.
						15	B-3@ 15'			
						16				
						17				
						18				
						19				
			wet	0		20	B-3@ 20'		SM	As above.
						21				
						22				

Delta

Environmental Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-3

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 2 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/20/06

Location Map

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 65.5'

Casing Type: NA

Well Diameter: NA

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement					23					
					24					
		wet		0				CL	Lean CLAY ; brown; high plasticity; stiff; wet; no odor. (0,0,100)	
						25	B-3@	25'		
						26				
						27				
						28				
						29				
		sat		0					CL	As above; some sand; saturated. (0,10,90)
						30	B-3@	30'		
						31				
						32				
						33				
						34				
		moist		0					SM	Silty SAND with Gravel ; grayish brown; well graded sand subangular to rounded sand and gravel; medium moist; no odor. (20,60,20)
						35	B-3@	35'		
						36				
						37				
						38		X		Groundwater sampled @38'
						39				
		sat		257					CL	Lean CLAY ; brown; high plasticity; some sand; saturated; odor; medium stiff to soft. (0,10,90)
						40	B-3@	40'		
						41				
					42					
					43					
					44					

Delta

Environmental Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-3

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 3 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/20/06

Location Map

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 65.5'

Casing Type: NA

Well Diameter: NA

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION						
						Recovery	Interval								
Neat Cement	sat	11			45	B-3@	45'	CL	As above; soft; slight odor. (0,0,100)						
					46										
					47										
					48										
					49										
					50	B-3@	50'	CL	As above; grayish brown; some sand; odor. (0,10,90)						
					51										
					52										
					53										
					54										
	sat	42				55	B-3@	55'	CL	As above; light grayish brown; odor. (0,20,80)					
						56									
						57									
						58									
	wet	7				60	B-3@	60'	SM	Silty SAND with gravel; brown; well graded sand; subangular to rounded sand and gravel; medium dense; wet; slight odor. (20,60,20)					
						61									
						62			X			Groundwater sampled @ 62'			
						63									
						64									
						sat	22				65	B-3@	65'	SM	As above; odor; saturated.
											66				

Delta

Environmental Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetration Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/26/06

Hole Diameter: 1.75"

Hole Depth: 65.5'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

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Page 1 of 3

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6") ↑ Air Knife ↓	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		moist			1			GM	Silty GRAVEL with sand ; brown; medium dense; medium to coarse sand; subangular to rounded sand and gravel; no odor. (70,15,15)	
					2					
					3					
					4					
					5					
					6					
					7					
					8					
					9					
			wet	0		10	B-4@	10'	SM	Silty SAND with gravel ; brown; well graded sand; subangular to rounded sand and gravel; medium dense; no odor. (20,60,20)
						11				
						12				
						13				
						14				
			wet	0		15	B-4@	15'	SM	As above.
						16				
						17				
						18				
						19				
						20				
			wet	0		21	B-4@	20'	SM	As above; grayish brown.
						22				

Delta

Environmental Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-4

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 2 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/26/06

Location Map

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 65.5'

Casing Type: NA

Well Diameter: NA

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION
						Recovery	Interval		
Neat Cement		moist	0		23				
				24					
					25	B-4@	25'	CL	Lean CLAY; brown; high plasticity; stiff; moist; no odor; some sand. (0,15,85)
					26				
					27				
					28				
		wet	0		29				
				30	B-4@	30'	ML	SILT; brown; medium plasticity; soft; wet; no odor. (0,0,100).	
					31				
					32				
		wet	0		33				
				34					
					35	B-4@	35'	ML	As above.
					36				
					37				
					38				
		sat	12		39				
				40	B-4@	40'	CL	CLAY with sand; medium plasticity; medium stiff; saturated; odor. (0,20,80)	
					41				
					42				
					43			X	Groundwater sampled @ 43'
					44				

Delta

Environmental Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-4

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 3 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/26/06

Location Map

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

See Site Map

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 65.5'

Casing Type: NA

Well Diameter: NA

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		sat	92		45	B-4@	45'	ML	SILT with sand ; brown; medium plasticity; soft; saturated; odor. (0,15,85)	
					46					
					47					
					48					
					49					
		wet	89		50	B-4@	50'	ML	SILT ; clay lenses; brown; medium plasticity; soft to stiff; wet; odor. (0,0,100)	
					51					
					52					
					53					
					54					
		sat	34		55	B-4@	55'	CL	Lean CLAY ; brown; high plasticity; stiff; saturated; odor. (0,0,100)	
					56					
					57					
					58					
					59					
		wet/sat	11		60	B-4@	60'	SM	Silty SAND with gravel ; reddish brown; well graded sand; subangular to rounded sand and gravel; medium dense to dense; wet to saturated; odor. (20,60,20)	
		61								
		62								
		63			X		Groundwater sampled @ 63'			
		64								
sat	13	65	B-4@	65'	SM	As above; saturated; dense.				
		66					Total Depth = 65.5'			

Delta

Environmental
Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetration Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/26/06

Hole Diameter: 1.75"

Hole Depth: 65.5'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

B-5

Page 1 of 3

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6") ↑ Air Knife ↓	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		moist			1			GM	Silty GRAVEL with sand; brown; medium dense; medium to coarse sand; subangular to rounded gravel and sand; no odor. (70,15,15)	
					2					
					3					
					4					
					5					
					6					
					7					
					8					
					9					
			wet	0		10	B-5@ 10'		SM	Silty SAND with gravel; brown; well graded sand; subangular to rounded sand and gravel; medium dense; no odor. (20,60,20)
						11				
						12				
			wet	0		14			SM	As above.
						15	B-5@ 15'			
						16				
						17				
						18				
			wet	0		19			SM	As above.
						20	B-5@ 20'			
						21				
						22				

Delta

Environmental Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-5

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 2 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/26/06

Location Map

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 65.5'

Casing Type: NA

Well Diameter: NA

See Site Map

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION								
						Recovery	Interval										
Neat Cement		wet	0		23			CL	Lean CLAY; brown; high plasticity; medium stiff; wet; no odor. (0,0,100)								
					24												
					25	B-5@	25'										
					26												
					27												
					28												
					29												
					30	B-5@	30'			CL	CLAY with sand; (0,20,80)						
					31												
					32												
					33												
					34												
					35	B-5@	35'					ML	SILT with sand; brown; medium plasticity; medium stiff; wet; no odor. (0,30,70)				
					36												
					37												
					38												
					39												
					40	B-5@	40'							SM	Silty SAND with gravel; some clay lenses; well graded sand; subangular to rounded sand and gravel; medium dense to dense; saturated; strong odor. (10,60,30)		
					41												
					42												
					43												
					44		X										Groundwater sampled @44'

Delta

Environmental
Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-5

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 3 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/26/06

Location Map

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 65.5'

Casing Type: NA

Well Diameter: NA

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		sat	30		45			CL	Lean CLAY ; brown; high plasticity; medium stiff; saturated; odor. (0,10,90)	
					46	B-5@	45'			
					47					
						48				
						49				
			sat	135		50	B-5@	50'	ML	SILT ; brown; medium plasticity; soft; saturated; odor (0,0,100)
						51				
						52				
						53				
						54				
			wet	144		55	B-5@	55'	CL	CLAY with sand ; medium plasticity; very stiff; wet; odor. (0,20,80)
						56				
						57				
						58				
						59				
			wet	96		60	B-5@	60'	SM	Silty SAND with gravel ; dark grayish brown; well graded sand; subangular to rounded sand and gravel; medium dense to dense; wet; odor. (15,70,15)
					61					
					62					
					63					
					64					
		sat	73		65	B-5@	65'	SM	As above	
					66		X			

Groundwater sampled @ 65'
Total Depth = 65.5'

Delta

Environmental Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-6

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 1 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/25/06

Location Map

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 65.5'

Casing Type: NA

Well Diameter: NA

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		moist		↑ Air Knife ↓	1			GM	Silty GRAVEL with sand; brown; medium dense; medium to coarse sand; subangular to rounded gravel and sand; no odor. (70,15,15)	
					2					
					3					
					4					
					5					
					6					
					7					
					8					
					9					
			moist	0		10	B-6@ 10'		SM	Silty SAND with gravel; grayish brown; well graded sand; subangular to rounded sand and gravel; medium dense; no odor. (20,60,20)
						11				
						12				
						13				
						14				
			wet	0		15	B-6@ 15'		SM	As above; reddish brown; wet; medium dense; some clay.
						16				
						17				
						18				
						19				
			wet	0		20	B-6@ 20'		SM	As above; grayish brown; some clay; saturated; no odor.
						21				
						22				

Delta

Environmental Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-6

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 2 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/25/06

Location Map

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 65.5'

Casing Type: NA

Well Diameter: NA

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		moist	48		23					
					24					
					25	B-6@	25'	CL	Lean CLAY; brown; high plasticity; stiff; moist; odor. (0,0,100)	
					26					
					27					
					28					
					29					
					30	B-6@	30'	CL	As above; saturated.	
					31					
					32					
					33					
					34					
					35	B-6@	35'	SM	Silty SAND; brown; well graded sand; medium dense; saturated. (10,70,20)	
					36					
					37					
					38					
					39					
					40	B-6@	40'	CL	Lean CLAY; brown; high plasticity; medium stiff; wet; odor. (0,0,100)	
					41					
					42					
					43				X	Groundwater sampled @ 43'
					44					

Delta

Environmental Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetration Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/25/06

Hole Diameter: 1.75"

Hole Depth: 65.5'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

B-6

Page 3 of 3

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement	wet	60			45			CL	As above; wet; odor.	
					46	B-6@	46'			
					47					
					48					
					49					
					50	B-6@	50'			
	wet	175				51			CL	As above.
						52				
						53				
						54				
						55	B-6@	55'		
						56				
	wet	195				57			SC	Clayey SAND with gravel; brown; well graded sand; medium plasticity; stiff; odor; wet. (20,60,20)
						58				
						59				
						60	B-6@	60'		
61										
62										
sat	21				63		X	SM	Silty SAND with gravel; brown; well graded sand; subangular to rounded sand and gravel; medium dense; saturated; odor. (20,60,20)	
					64					
					65					
					66					
					67					
					68					
sat	11				69	B-6@	65'	SM	As above	
					70					
									Total Depth = 65.5'	

Delta

Environmental Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetration Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/25/06

Hole Diameter: 1.75"

Hole Depth: 65.5'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

B-6

Page 2 of 3

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Interval	Soil Type	LITHOLOGY / DESCRIPTION
Neat Cement					23				
					24				
			moist	48					
					25	B-6@	25'	CL	Lean CLAY; brown; high plasticity; stiff; moist; odor. (0,0,100)
					26				
					27				
					28				
					29				
			sat	18					
					30	B-6@	30'	CL	As above; saturated.
					31				
					32				
					33				
					34				
			sat	6					
					35	B-6@	35'	SM	Silty SAND; brown; well graded sand; medium dense; saturated. (10,70,20)
					36				
					37				
					38				
					39				
			wet	23					
					40	B-6@	40'	CL	Lean CLAY; brown; high plasticity; medium stiff; wet; od (0,0,100)
					41				
				42			X		
				43					
				44					

Groundwater sampled @ 43'

Delta

Environmental Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetration Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/25/06

Hole Diameter: 1.75"

Hole Depth: 65.5'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

B-6

Page 3 of 3

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Interval	Soil Type	LITHOLOGY / DESCRIPTION		
Neat Cement		wet	60		45			CL	As above; wet; odor.		
					46	B-6@	46'				
					47						
				wet	175		48			CL	As Above.
		49									
		50	B-6@				50'				
				wet	195		51			SC	Clayey SAND with gravel; brown; well graded sand; medium plasticity; stiff; odor; wet. (20,60,20)
		52									
		53									
				sat	21		54			SM	Silty SAND with gravel; brown; well graded sand; subangular to rounded sand and gravel; medium dense; saturated; odor. (20,60,20)
		55	B-6@				55'				
		56									
				sat	11		57			SM	As above
		58									
		59									
							60	B-6@	60'		
					61						
					62						
					63		X		Groundwater sampled @ 63'		
					64						
					65	B-6@	65'				
					66						
									Total Depth = 65.5'		

Delta

Environmental Consultants, Inc.

Project No: C104186031

Client: ConocoPhillips

B-7

Logged By: Ben Wright

Location: 1771 First Street, Livermore, California

Page 1 of 3

Driller: Gregg Drilling and Testing

Date Drilled: 4/21/06

Location Map

Drilling Method: Cone Penetration Testing

Hole Diameter: 1.75"

Sampling Method: Piston Sampler/Hydropunch

Hole Depth: 65.5'

Casing Type: NA

Well Diameter: NA

Slot Size: NA

Well Depth: NA

Gravel Pack: NA

Casing Stickup: NA

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6") Air Knife	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement		moist			1			GM	Silty GRAVEL with sand; brown; medium dense; medium and coarse sand; subangular to rounded gravel; no odor. (70,15,15)	
					2					
					3					
					4					
					5					
					6					
					7					
					8					
					9					
			moist	0		10	B-7@ 10'		SM	Silty SAND with gravel; gray to brown; well graded sand; subangular to rounded sand and gravel; dense; no odor. (20,60,20)
						11				
						12				
						13				
						14				
			wet	0		15	B-7@ 15'		SM	As above; reddish brown; wet; medium dense.
						16				
						17				
						18				
						19				
			wet	0		20	B-7@ 20'		SM	As above; grayish brown.
						21				
						22				

Delta

Environmental
Consultants, Inc.

Project No: C104186031

Logged By: Ben Wright

Driller: Gregg Drilling and Testing

Drilling Method: Cone Penetration Testing

Sampling Method: Piston Sampler/Hydropunch

Casing Type: NA

Slot Size: NA

Gravel Pack: NA

Client: ConocoPhillips

Location: 1771 First Street, Livermore, California

Date Drilled: 4/21/06

Hole Diameter: 1.75"

Hole Depth: 65.5'

Well Diameter: NA

Well Depth: NA

Casing Stickup: NA

B-7

Page 2 of 3

Location Map

See Site Map

Elevation

Northing

Easting

Well Completion Backfill Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION	
						Recovery	Interval			
Neat Cement					23					
					24					
		wet		0				CL	Lean CLAY; brown; high plasticity; medium stiff; odor. (0,0,100)	
						25	B-7@	25'		
						26				
						27				
						28				
						29				
		wet		0					CL	As above; soft.
						30	B-7@	30'		
						31				
						32				
						33				
						34				
		sat		6					SM	Silty SAND with gravel; grayish brown; well graded sand; subangular to rounded sand and gravel; medium saturated; slight odor. (20.60,20)
						35	B-7@	35'		
						36				
						37				
						38				
						39		X		Groundwater sampled @ 39'
		sat		6					CL	Lean CLAY; brown; high plasticity; soft; saturated; odor. (0,0,100)
						40	B-7@	40'		
						41				
					42					
					43					
					44					

Attachment E

Analytical Reports and Chain of Custody Documentation



ANALYTICAL REPORT

Job Number: 720-3297-1

Job Description: Conoco Phillips #4186, Livermore

For:
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670

Attention: Mr. Daniel J Davis

A handwritten signature in black ink, appearing to read "D Sharma", written over a horizontal line.

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
05/03/2006

cc: Mr. Ben Wright

Project Manager: Dimple Sharma

Severn Trent Laboratories, Inc.

STL San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.stl-inc.com

METHOD SUMMARY

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge-and-Trap	STL-SF		SW846 5030B

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986
And Its Updates.

SAMPLE SUMMARY

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-3297-1	B-2@38'	Water	04/19/2006 1240	04/21/2006 1807
720-3297-2	B-2@61'	Water	04/19/2006 1440	04/21/2006 1807
720-3297-3	B-1@41'	Water	04/20/2006 0855	04/21/2006 1807
720-3297-4	B-1@62'	Water	04/20/2006 1115	04/21/2006 1807
720-3297-5	B-3@38'	Water	04/20/2006 1515	04/21/2006 1807
720-3297-6	B-3@62'	Water	04/20/2006 1715	04/21/2006 1807
720-3297-7	B-7@39'	Water	04/21/2006 1050	04/21/2006 1807
720-3297-8	B-7@57'	Water	04/21/2006 1355	04/21/2006 1807

Mr. Daniel J Davis
 Delta Environmental Consultants, Inc.
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 Suite 200
 Rancho Cordova, CA 95670

Job Number: 720-3297-1
 Lab Sample Id: 720-3297-1
 Date Sampled: 04/19/2006 1240
 Date Received: 04/21/2006 1807

Client Sample ID: B-2@38'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	ug/L	0.50	8260B	04/26/2006 1406	04/26/2006 1406	1.0
Ethanol	ND	ug/L	100	8260B	04/26/2006 1406	04/26/2006 1406	1.0
Ethylbenzene	ND	ug/L	0.50	8260B	04/26/2006 1406	04/26/2006 1406	1.0
MTBE	ND	ug/L	0.50	8260B	04/26/2006 1406	04/26/2006 1406	1.0
TAME	ND	ug/L	0.50	8260B	04/26/2006 1406	04/26/2006 1406	1.0
Toluene	0.78	ug/L	0.50	8260B	04/26/2006 1406	04/26/2006 1406	1.0
Xylenes, Total	1.5	ug/L	1.0	8260B	04/26/2006 1406	04/26/2006 1406	1.0
TBA	ND	ug/L	5.0	8260B	04/26/2006 1406	04/26/2006 1406	1.0
DIPE	ND	ug/L	1.0	8260B	04/26/2006 1406	04/26/2006 1406	1.0
Gasoline Range Organics (GRO)-C6-C12	930	ug/L	50	8260B	04/26/2006 1406	04/26/2006 1406	1.0
Ethyl tert-butyl ether	ND	ug/L	0.50	8260B	04/26/2006 1406	04/26/2006 1406	1.0
Surrogate					Acceptance Limits		
Toluene-d8	91	%		8260B	77 - 121		
1,2-Dichloroethane-d4	99	%		8260B	73 - 130		

Mr. Daniel J Davis
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Job Number: 720-3297-1
 Lab Sample Id: 720-3297-2
 Date Sampled: 04/19/2006 1440
 Date Received: 04/21/2006 1807

Client Sample ID: B-2@61'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	72	ug/L	0.50	8260B	04/26/2006 1428	04/26/2006 1428	1.0
Ethanol	ND	ug/L	100	8260B	04/26/2006 1428	04/26/2006 1428	1.0
Ethylbenzene	1.4	ug/L	0.50	8260B	04/26/2006 1428	04/26/2006 1428	1.0
MTBE	470	ug/L	2.0	8260B	04/28/2006 0203	04/28/2006 0203	4.0
TAME	ND	ug/L	0.50	8260B	04/26/2006 1428	04/26/2006 1428	1.0
Toluene	ND	ug/L	0.50	8260B	04/26/2006 1428	04/26/2006 1428	1.0
Xylenes, Total	ND	ug/L	1.0	8260B	04/26/2006 1428	04/26/2006 1428	1.0
TBA	290	ug/L	5.0	8260B	04/26/2006 1428	04/26/2006 1428	1.0
DIPE	ND	ug/L	1.0	8260B	04/26/2006 1428	04/26/2006 1428	1.0
Gasoline Range Organics (GRO)-C6-C12	1300	ug/L	50	8260B	04/26/2006 1428	04/26/2006 1428	1.0
Ethyl tert-butyl ether	ND	ug/L	0.50	8260B	04/26/2006 1428	04/26/2006 1428	1.0
Surrogate					Acceptance Limits		
Toluene-d8	91	%		8260B	77 - 121		
1,2-Dichloroethane-d4	101	%		8260B	73 - 130		

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Job Number: 720-3297-1
 Lab Sample Id: 720-3297-3
 Date Sampled: 04/20/2006 0855
 Date Received: 04/21/2006 1807

Client Sample ID: B-1@41'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	43	ug/L	5.0	8260B	05/01/2006 1311	05/01/2006 1311	10
Ethanol	ND	ug/L	1000	8260B	05/01/2006 1311	05/01/2006 1311	10
Ethylbenzene	830	ug/L	5.0	8260B	05/01/2006 1311	05/01/2006 1311	10
MTBE	ND	ug/L	5.0	8260B	05/01/2006 1311	05/01/2006 1311	10
TAME	ND	ug/L	5.0	8260B	05/01/2006 1311	05/01/2006 1311	10
Toluene	ND	ug/L	5.0	8260B	05/01/2006 1311	05/01/2006 1311	10
Xylenes, Total	39	ug/L	10	8260B	05/01/2006 1311	05/01/2006 1311	10
TBA	ND	ug/L	50	8260B	05/01/2006 1311	05/01/2006 1311	10
DIPE	ND	ug/L	10	8260B	05/01/2006 1311	05/01/2006 1311	10
Gasoline Range Organics (GRO)-C6-C12	10000	ug/L	500	8260B	05/01/2006 1311	05/01/2006 1311	10
Ethyl tert-butyl ether	ND	ug/L	5.0	8260B	05/01/2006 1311	05/01/2006 1311	10
Surrogate					Acceptance Limits		
Toluene-d8	100	%		8260B	77 - 121		
1,2-Dichloroethane-d4	106	%		8260B	73 - 130		

Mr. Daniel J Davis
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Job Number: 720-3297-1
 Lab Sample Id: 720-3297-4
 Date Sampled: 04/20/2006 1115
 Date Received: 04/21/2006 1807

Client Sample ID: B-1@62'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	1.4	ug/L	0.50	8260B	04/26/2006 1511	04/26/2006 1511	1.0
Ethanol	ND	ug/L	100	8260B	04/26/2006 1511	04/26/2006 1511	1.0
Ethylbenzene	ND	ug/L	0.50	8260B	04/26/2006 1511	04/26/2006 1511	1.0
MTBE	21	ug/L	0.50	8260B	04/28/2006 0248	04/28/2006 0248	1.0
TAME	ND	ug/L	0.50	8260B	04/26/2006 1511	04/26/2006 1511	1.0
Toluene	ND	ug/L	0.50	8260B	04/26/2006 1511	04/26/2006 1511	1.0
Xylenes, Total	ND	ug/L	1.0	8260B	04/26/2006 1511	04/26/2006 1511	1.0
TBA	ND	ug/L	5.0	8260B	04/26/2006 1511	04/26/2006 1511	1.0
DIPE	ND	ug/L	1.0	8260B	04/26/2006 1511	04/26/2006 1511	1.0
Gasoline Range Organics (GRO)-C6-C12	100	ug/L	50	8260B	04/26/2006 1511	04/26/2006 1511	1.0
Ethyl tert-butyl ether	ND	ug/L	0.50	8260B	04/26/2006 1511	04/26/2006 1511	1.0
Surrogate					Acceptance Limits		
Toluene-d8	92	%		8260B	77 - 121		
1,2-Dichloroethane-d4	102	%		8260B	73 - 130		

Mr. Daniel J Davis
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Job Number: 720-3297-1
 Lab Sample Id: 720-3297-5
 Date Sampled: 04/20/2006 1515
 Date Received: 04/21/2006 1807

Client Sample ID: B-3@38'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	6.9	ug/L	5.0	8260B	04/26/2006 1532	04/26/2006 1532	10
Ethanol	ND	ug/L	1000	8260B	04/26/2006 1532	04/26/2006 1532	10
Ethylbenzene	18	ug/L	5.0	8260B	04/26/2006 1532	04/26/2006 1532	10
MTBE	ND	ug/L	5.0	8260B	04/26/2006 1532	04/26/2006 1532	10
TAME	ND	ug/L	5.0	8260B	04/26/2006 1532	04/26/2006 1532	10
Toluene	ND	ug/L	5.0	8260B	04/26/2006 1532	04/26/2006 1532	10
Xylenes, Total	14	ug/L	10	8260B	04/26/2006 1532	04/26/2006 1532	10
TBA	ND	ug/L	50	8260B	04/26/2006 1532	04/26/2006 1532	10
DIPE	ND	ug/L	10	8260B	04/26/2006 1532	04/26/2006 1532	10
Gasoline Range Organics (GRO)-C6-C12	3900	ug/L	500	8260B	04/26/2006 1532	04/26/2006 1532	10
Ethyl tert-butyl ether	ND	ug/L	5.0	8260B	04/26/2006 1532	04/26/2006 1532	10
Surrogate					Acceptance Limits		
Toluene-d8	94	%		8260B	77 - 121		
1,2-Dichloroethane-d4	105	%		8260B	73 - 130		

Mr. Daniel J Davis
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Job Number: 720-3297-1
 Lab Sample Id: 720-3297-6
 Date Sampled: 04/20/2006 1715
 Date Received: 04/21/2006 1807

Client Sample ID: B-3@62'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	5.7	ug/L	0.50	8260B	04/26/2006 1554	04/26/2006 1554	1.0
Ethanol	ND	ug/L	100	8260B	04/26/2006 1554	04/26/2006 1554	1.0
Ethylbenzene	4.6	ug/L	0.50	8260B	04/26/2006 1554	04/26/2006 1554	1.0
MTBE	410	ug/L	2.0	8260B	04/28/2006 0310	04/28/2006 0310	4.0
TAME	ND	ug/L	0.50	8260B	04/26/2006 1554	04/26/2006 1554	1.0
Toluene	ND	ug/L	0.50	8260B	04/26/2006 1554	04/26/2006 1554	1.0
Xylenes, Total	5.1	ug/L	1.0	8260B	04/26/2006 1554	04/26/2006 1554	1.0
TBA	69	ug/L	5.0	8260B	04/26/2006 1554	04/26/2006 1554	1.0
DIPE	ND	ug/L	1.0	8260B	04/26/2006 1554	04/26/2006 1554	1.0
Gasoline Range Organics (GRO)-C6-C12	660	ug/L	50	8260B	04/26/2006 1554	04/26/2006 1554	1.0
Ethyl tert-butyl ether	ND	ug/L	0.50	8260B	04/26/2006 1554	04/26/2006 1554	1.0
Surrogate					Acceptance Limits		
Toluene-d8	83	%		8260B	77 - 121		
1,2-Dichloroethane-d4	102	%		8260B	73 - 130		

Mr. Daniel J Davis
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 Suite 200
 Rancho Cordova, CA 95670

Job Number: 720-3297-1
 Lab Sample Id: 720-3297-7
 Date Sampled: 04/21/2006 1050
 Date Received: 04/21/2006 1807

Client Sample ID: B-7@39'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	6.5	ug/L	0.50	8260B	04/26/2006 1615	04/26/2006 1615	1.0
Ethanol	ND	ug/L	100	8260B	04/26/2006 1615	04/26/2006 1615	1.0
Ethylbenzene	90	ug/L	0.50	8260B	04/26/2006 1615	04/26/2006 1615	1.0
MTBE	790	ug/L	5.0	8260B	04/28/2006 0332	04/28/2006 0332	10
TAME	ND	ug/L	0.50	8260B	04/26/2006 1615	04/26/2006 1615	1.0
Toluene	1.6	ug/L	0.50	8260B	04/26/2006 1615	04/26/2006 1615	1.0
Xylenes, Total	210	ug/L	1.0	8260B	04/26/2006 1615	04/26/2006 1615	1.0
TBA	180	ug/L	50	8260B	04/28/2006 0332	04/28/2006 0332	10
DIPE	ND	ug/L	1.0	8260B	04/26/2006 1615	04/26/2006 1615	1.0
Gasoline Range Organics (GRO)-C6-C12	9200	ug/L	500	8260B	04/28/2006 0332	04/28/2006 0332	10
Ethyl tert-butyl ether	ND	ug/L	0.50	8260B	04/26/2006 1615	04/26/2006 1615	1.0
Surrogate					Acceptance Limits		
Toluene-d8	95	%		8260B	77 - 121		
1,2-Dichloroethane-d4	91	%		8260B	73 - 130		

Mr. Daniel J Davis
 Delta Environmental Consultants, Inc.
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 Suite 200
 Rancho Cordova, CA 95670

Job Number: 720-3297-1
 Lab Sample Id: 720-3297-8
 Date Sampled: 04/21/2006 1355
 Date Received: 04/21/2006 1807

Client Sample ID: B-7@57'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	510	ug/L	25	8260B	04/26/2006 1637	04/26/2006 1637	50
Ethanol	ND	ug/L	5000	8260B	04/26/2006 1637	04/26/2006 1637	50
Ethylbenzene	270	ug/L	25	8260B	04/26/2006 1637	04/26/2006 1637	50
MTBE	ND	ug/L	25	8260B	04/28/2006 0354	04/28/2006 0354	50
TAME	ND	ug/L	25	8260B	04/26/2006 1637	04/26/2006 1637	50
Toluene	ND	ug/L	25	8260B	04/26/2006 1637	04/26/2006 1637	50
Xylenes, Total	250	ug/L	50	8260B	04/26/2006 1637	04/26/2006 1637	50
TBA	ND	ug/L	250	8260B	04/26/2006 1637	04/26/2006 1637	50
DIPE	ND	ug/L	50	8260B	04/26/2006 1637	04/26/2006 1637	50
Gasoline Range Organics (GRO)-C6-C12	26000	ug/L	2500	8260B	04/28/2006 0354	04/28/2006 0354	50
Ethyl tert-butyl ether	ND	ug/L	25	8260B	04/26/2006 1637	04/26/2006 1637	50
Surrogate					Acceptance Limits		
Toluene-d8	86	%		8260B	77 - 121		
1,2-Dichloroethane-d4	103	%		8260B	73 - 130		

DATA REPORTING QUALIFIERS

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

<u>Lab Section</u>	<u>Qualifier</u>	<u>Description</u>
GC/MS VOA	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS VOA				
Analysis Batch:720-8271				
LCS 720-8271/16	Lab Control Spike	Water	8260B	
LCSD 720-8271/15	Lab Control Spike Duplicate	Water	8260B	
MB 720-8271/17	Method Blank	Water	8260B	
720-3218-A-3 MS	Matrix Spike	Water	8260B	
720-3218-A-3 MSD	Matrix Spike Duplicate	Water	8260B	
720-3297-1	B-2@38'	Water	8260B	
720-3297-2	B-2@61'	Water	8260B	
720-3297-4	B-1@62'	Water	8260B	
720-3297-5	B-3@38'	Water	8260B	
720-3297-6	B-3@62'	Water	8260B	
720-3297-7	B-7@39'	Water	8260B	
720-3297-8	B-7@57'	Water	8260B	
Analysis Batch:720-8332				
LCS 720-8332/19	Lab Control Spike	Water	8260B	
LCSD 720-8332/18	Lab Control Spike Duplicate	Water	8260B	
MB 720-8332/20	Method Blank	Water	8260B	
720-3297-2	B-2@61'	Water	8260B	
720-3297-4	B-1@62'	Water	8260B	
720-3297-6	B-3@62'	Water	8260B	
720-3297-7	B-7@39'	Water	8260B	
720-3297-8	B-7@57'	Water	8260B	
720-3325-A-1 MS	Matrix Spike	Water	8260B	
720-3325-A-1 MSD	Matrix Spike Duplicate	Water	8260B	
Analysis Batch:720-8432				
LCS 720-8432/21	Lab Control Spike	Water	8260B	
LCSD 720-8432/20	Lab Control Spike Duplicate	Water	8260B	
MB 720-8432/22	Method Blank	Water	8260B	
720-3297-3	B-1@41'	Water	8260B	
720-3297-3MS	Matrix Spike	Water	8260B	
720-3297-3MSD	Matrix Spike Duplicate	Water	8260B	

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

Method Blank - Batch: 720-8271

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8271/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/26/2006 1222
Date Prepared: 04/26/2006 1222

Analysis Batch: 720-8271
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\04
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8	94	77 - 121
1,2-Dichloroethane-d4	104	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8271**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8271/16
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/26/2006 1107
Date Prepared: 04/26/2006 1107

Analysis Batch: 720-8271
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\042
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8271/15
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/26/2006 1201
Date Prepared: 04/26/2006 1201

Analysis Batch: 720-8271
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\042
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	90	89	69 - 129	1	25		
MTBE	84	99	65 - 165	17	25		
Toluene	91	90	70 - 130	2	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	93		92		77 - 121		
1,2-Dichloroethane-d4	99		98		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8271**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-3218-A-3 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/26/2006 1323
Date Prepared: 04/26/2006 1323

Analysis Batch: 720-8271
Prep Batch: N/A

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\04
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-3218-A-3 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/26/2006 1344
Date Prepared: 04/26/2006 1344

Analysis Batch: 720-8271
Prep Batch: N/A

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\04
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	106	97	69 - 129	8	20		
MTBE	106	102	65 - 165	4	20		
Toluene	100	94	70 - 130	6	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
Toluene-d8	97		94	77 - 121			
1,2-Dichloroethane-d4	109		107	73 - 130			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

Method Blank - Batch: 720-8332

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8332/20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/27/2006 2052
Date Prepared: 04/27/2006 2052

Analysis Batch: 720-8332
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200604\04
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8	89	77 - 121
1,2-Dichloroethane-d4	96	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8332**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8332/19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/27/2006 2008
Date Prepared: 04/27/2006 2008

Analysis Batch: 720-8332
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200604\042
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8332/18
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/27/2006 2030
Date Prepared: 04/27/2006 2030

Analysis Batch: 720-8332
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200604\042
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	98	95	69 - 129	3	25		
MTBE	107	104	65 - 165	3	25		
Toluene	97	94	70 - 130	4	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	90		91		77 - 121		
1,2-Dichloroethane-d4	98		99		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8332**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-3325-A-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/27/2006 2243
Date Prepared: 04/27/2006 2243

Analysis Batch: 720-8332
Prep Batch: N/A

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200604\04
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-3325-A-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/27/2006 2305
Date Prepared: 04/27/2006 2305

Analysis Batch: 720-8332
Prep Batch: N/A

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200604\04
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	88	108	69 - 129	21	20		*
MTBE	97	123	65 - 165	19	20		
Toluene	88	104	70 - 130	17	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8	93		93		77 - 121		
1,2-Dichloroethane-d4	104		108		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

Method Blank - Batch: 720-8432

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8432/22
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/01/2006 1110
 Date Prepared: 05/01/2006 1110

Analysis Batch: 720-8432
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Varian 3900C
 Lab File ID: c:\saturmws\data\200605\05
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8	99	77 - 121	
1,2-Dichloroethane-d4	112	73 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8432**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8432/21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2006 0948
Date Prepared: 05/01/2006 0948

Analysis Batch: 720-8432
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200605\050
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8432/20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2006 1016
Date Prepared: 05/01/2006 1016

Analysis Batch: 720-8432
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200605\050
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	85	98	69 - 129	14	25		
MTBE	97	108	65 - 165	11	25		
Toluene	93	101	70 - 130	7	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	101		103		77 - 121		
1,2-Dichloroethane-d4	98		105		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8432**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-3297-3
Client Matrix: Water
Dilution: 10
Date Analyzed: 05/01/2006 1339
Date Prepared: 05/01/2006 1339

Analysis Batch: 720-8432
Prep Batch: N/A

Instrument ID: Varian 3900C
Lab File ID: c:\saturmws\data\200605\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-3297-3
Client Matrix: Water
Dilution: 10
Date Analyzed: 05/01/2006 1406
Date Prepared: 05/01/2006 1406

Analysis Batch: 720-8432
Prep Batch: N/A

Instrument ID: Varian 3900C
Lab File ID: c:\saturmws\data\200605\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	101	99	69 - 129	1	20		
MTBE	107	108	65 - 165	1	20		
Toluene	100	101	70 - 130	1	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8	98		98		77 - 121		
1,2-Dichloroethane-d4	100		99		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

ConocoPhillips Chain Of Custody Record

40580

STL-San Francisco

1220 Quarry Lane
Pleasanton, CA 94566

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

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

CONOCOPHILLIPS
Attn: Dee Hutchinson
5111 Harbor, Suite 200
Santa Ana, CA. 92704

720-3297

ConocoPhillips Work Order Number

1237DEL003

ConocoPhillips Cost Object

WNO1237.E01.R

DATE:

4/20/06

PAGE:

1 of 1

SAMPLING COMPANY: Delta Environmental		Valid Value ID:		CONOCOPHILLIPS SITE NUMBER: 4186				GLOBAL ID NO.: T0600101777								
ADDRESS: 3164 Gold Camp Drive, Suite 200 Rancho Cordova, CA 95670		SITE ADDRESS (Street and City): 1771 First Street, Livermore, CA				CONOCOPHILLIPS SITE MANAGER: Shelby Lathrop										
PROJECT CONTACT (Hardcopy or PDF Report In): Daniel J. Davis		E-MAIL: ddavis@dellaenv.com		EDF DELIVERABLE TO (RP or Designee): bwright@dellaenv.com		PHONE NO.:		E-MAIL:		LAB USE ONLY						
TELEPHONE: 916-503-1275	FAX: 916-638-8385															
SAMPLER NAME(S) (Print): Ben Wright		CONSULTANT PROJECT NUMBER: C104186031		REQUESTED ANALYSES												
TURNAROUND TIME (CALENDAR DAYS): <input checked="" type="checkbox"/> 14 DAYS <input type="checkbox"/> 7 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS																
SPECIAL INSTRUCTIONS OR NOTES: Field Point name only required if different from Sample ID		CHECK BOX IF EDD IS NEEDED <input checked="" type="checkbox"/>										FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes				
Page 23 of 24	Sample Identification/Field Point Name*		SAMPLING DATE TIME		MATRIX	NO. OF CONT.	8015M - TPH-D Extractable	8260B - TPPH/ BTEX/ MTBE/ DIPE/ ETBA/ TAME/ ethanol	8260B - TPPH/ BTEX/ MTBE	8260B - TPH-G/ BTEX/ 8 Oxygenates	8260B - TPH-G/ BTEX/ 8 Oxygenates + methanol (8015M)	8270C - Semi-Volatiles	8015M / 8021B - TPH-G/ BTEX/ MTBE	8010 - Lead <input type="checkbox"/> Total <input type="checkbox"/> CSTLC <input type="checkbox"/>	TEMPERATURE ON RECEIPT 5	
	B-2 @ 38'		4/19/06 1240		Water	5		X								
	B-2 @ 61'		4/19/06 1440		Water	5		X								
	B-1 @ 41'		4/20/06 855		Water	5		X								
	B-1 @ 62'		4/20/06 1115		water	5		X								
	B-3 @ 38'		4/20/06 1515		water	5		X								
	B-3 @ 62'		4/20/06 1715		water	5		X								
	B-7 @ 39'		4/21/06 1650		water	5		X								
	B-7 @ 57'		4/21/06 1355		water	5		X								
	Requested by (Signature): <i>Ben Wright</i>		Received by (Signature): <i>Em Bull</i>				Date: 4/21/06				Time: 1807					
Requested by (Signature):		Received by (Signature):				Date:				Time:						
Requested by (Signature):		Received by (Signature):				Date:				Time:						

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3297-1

Login Number: 3297

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



STL

ANALYTICAL REPORT

Job Number: 720-3347-1

Job Description: Conoco Phillips #4186, Livermore

For:

Delta Environmental Consultants, Inc.
3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670

Attention: Mr. Daniel J Davis

A handwritten signature in black ink, appearing to read "D Sharma".

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
05/08/2006

cc: Mr. Ben Wright

Project Manager: Dimple Sharma

Severn Trent Laboratories, Inc.

STL San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.stl-inc.com

METHOD SUMMARY

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge-and-Trap	STL-SF		SW846 5030B

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986
And Its Updates.

SAMPLE SUMMARY

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-3347-1	B-6 @ 43'	Water	04/25/2006 1015	04/26/2006 1216
720-3347-2	B-6 @ 63'	Water	04/25/2006 1250	04/26/2006 1216
720-3347-3	B-5 @ 65'	Water	04/25/2006 1635	04/26/2006 1216
720-3347-4	B-5 @ 44'	Water	04/26/2006 0850	04/26/2006 1216
720-3347-5	B-4 @ 43'	Water	04/26/2006 1500	04/26/2006 1216
720-3347-6	B-4 @ 63'	Water	04/26/2006 1735	04/26/2006 1216

Mr. Daniel J Davis
 Delta Environmental Consultants, Inc.
 3164 Gold Camp Drive
 Suite 200
 Rancho Cordova, CA 95670

Job Number: 720-3347-1
 Lab Sample Id: 720-3347-1
 Date Sampled: 04/25/2006 1015
 Date Received: 04/26/2006 1216

Client Sample ID: B-6 @ 43'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	420	ug/L	5.0	8260B	05/01/2006 1622	05/01/2006 1622	10
Ethanol	ND	ug/L	1000	8260B	05/01/2006 1622	05/01/2006 1622	10
Ethylbenzene	35	ug/L	5.0	8260B	05/01/2006 1622	05/01/2006 1622	10
MTBE	1100	ug/L	5.0	8260B	05/01/2006 1622	05/01/2006 1622	10
TAME	ND	ug/L	5.0	8260B	05/01/2006 1622	05/01/2006 1622	10
Toluene	ND	ug/L	5.0	8260B	05/01/2006 1622	05/01/2006 1622	10
Xylenes, Total	120	ug/L	10	8260B	05/01/2006 1622	05/01/2006 1622	10
TBA	250	ug/L	50	8260B	05/01/2006 1622	05/01/2006 1622	10
DIPE	ND	ug/L	1.0	8260B	04/28/2006 1514	04/28/2006 1514	1.0
Gasoline Range Organics (GRO)-C6-C12	1800	ug/L	500	8260B	05/01/2006 1622	05/01/2006 1622	10
Ethyl tert-butyl ether	ND	ug/L	5.0	8260B	05/01/2006 1622	05/01/2006 1622	10
Surrogate					Acceptance Limits		
Toluene-d8	102	%		8260B	77 - 121		
1,2-Dichloroethane-d4	109	%		8260B	73 - 130		

Mr. Daniel J Davis
 Delta Environmental Consultants, Inc.
 3164 Gold Camp Drive
 Suite 200
 Rancho Cordova, CA 95670

Job Number: 720-3347-1
 Lab Sample Id: 720-3347-2
 Date Sampled: 04/25/2006 1250
 Date Received: 04/26/2006 1216

Client Sample ID: B-6 @ 63'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	15	ug/L	0.50	8260B	05/01/2006 1649	05/01/2006 1649	1.0
Ethanol	ND	ug/L	100	8260B	05/01/2006 1649	05/01/2006 1649	1.0
Ethylbenzene	28	ug/L	0.50	8260B	05/01/2006 1649	05/01/2006 1649	1.0
MTBE	7.9	ug/L	0.50	8260B	05/01/2006 1649	05/01/2006 1649	1.0
TAME	ND	ug/L	0.50	8260B	05/01/2006 1649	05/01/2006 1649	1.0
Toluene	ND	ug/L	0.50	8260B	05/01/2006 1649	05/01/2006 1649	1.0
Xylenes, Total	21	ug/L	1.0	8260B	05/01/2006 1649	05/01/2006 1649	1.0
TBA	ND	ug/L	5.0	8260B	05/01/2006 1649	05/01/2006 1649	1.0
DIPE	ND	ug/L	1.0	8260B	04/28/2006 1541	04/28/2006 1541	1.0
Gasoline Range Organics (GRO)-C6-C12	1800	ug/L	50	8260B	05/01/2006 1649	05/01/2006 1649	1.0
Ethyl tert-butyl ether	ND	ug/L	0.50	8260B	05/01/2006 1649	05/01/2006 1649	1.0
Surrogate					Acceptance Limits		
Toluene-d8	100	%		8260B	77 - 121		
1,2-Dichloroethane-d4	123	%		8260B	73 - 130		

Mr. Daniel J Davis
 Delta Environmental Consultants, Inc.
 3164 Gold Camp Drive
 Suite 200
 Rancho Cordova, CA 95670

Job Number: 720-3347-1
 Lab Sample Id: 720-3347-3
 Date Sampled: 04/25/2006 1635
 Date Received: 04/26/2006 1216

Client Sample ID: B-5 @ 65'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	27	ug/L	2.0	8260B	05/01/2006 1716	05/01/2006 1716	4.0
Ethanol	ND	ug/L	400	8260B	05/01/2006 1716	05/01/2006 1716	4.0
Ethylbenzene	120	ug/L	2.0	8260B	05/01/2006 1716	05/01/2006 1716	4.0
MTBE	3.2	ug/L	2.0	8260B	05/01/2006 1716	05/01/2006 1716	4.0
TAME	ND	ug/L	2.0	8260B	05/01/2006 1716	05/01/2006 1716	4.0
Toluene	210	ug/L	2.0	8260B	05/01/2006 1716	05/01/2006 1716	4.0
Xylenes, Total	820	ug/L	4.0	8260B	05/01/2006 1716	05/01/2006 1716	4.0
TBA	ND	ug/L	20	8260B	05/01/2006 1716	05/01/2006 1716	4.0
DIPE	ND	ug/L	1.0	8260B	04/28/2006 1608	04/28/2006 1608	1.0
Gasoline Range Organics (GRO)-C6-C12	5000	ug/L	200	8260B	05/01/2006 1716	05/01/2006 1716	4.0
Ethyl tert-butyl ether	ND	ug/L	2.0	8260B	05/01/2006 1716	05/01/2006 1716	4.0
Surrogate					Acceptance Limits		
Toluene-d8	101	%		8260B	77 - 121		
1,2-Dichloroethane-d4	120	%		8260B	73 - 130		

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Job Number: 720-3347-1
 Lab Sample Id: 720-3347-4
 Date Sampled: 04/26/2006 0850
 Date Received: 04/26/2006 1216

Client Sample ID: B-5 @ 44'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	ug/L	5.0	8260B	05/01/2006 1743	05/01/2006 1743	10
Ethanol	ND	ug/L	1000	8260B	05/01/2006 1743	05/01/2006 1743	10
Ethylbenzene	8.2	ug/L	5.0	8260B	05/01/2006 1743	05/01/2006 1743	10
MTBE	19	ug/L	5.0	8260B	05/01/2006 1743	05/01/2006 1743	10
TAME	ND	ug/L	5.0	8260B	05/01/2006 1743	05/01/2006 1743	10
Toluene	11	ug/L	5.0	8260B	05/01/2006 1743	05/01/2006 1743	10
Xylenes, Total	370	ug/L	10	8260B	05/01/2006 1743	05/01/2006 1743	10
TBA	250	ug/L	50	8260B	05/01/2006 1743	05/01/2006 1743	10
DIPE	ND	ug/L	1.0	8260B	04/28/2006 1636	04/28/2006 1636	1.0
Gasoline Range Organics (GRO)-C6-C12	23000	ug/L	500	8260B	05/01/2006 1743	05/01/2006 1743	10
Ethyl tert-butyl ether	ND	ug/L	5.0	8260B	05/01/2006 1743	05/01/2006 1743	10
Surrogate					Acceptance Limits		
Toluene-d8	97	%		8260B	77 - 121		
1,2-Dichloroethane-d4	114	%		8260B	73 - 130		

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Job Number: 720-3347-1
 Lab Sample Id: 720-3347-5
 Date Sampled: 04/26/2006 1500
 Date Received: 04/26/2006 1216

Client Sample ID: B-4 @ 43'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	14	ug/L	5.0	8260B	05/01/2006 1811	05/01/2006 1811	10
Ethanol	ND	ug/L	1000	8260B	05/01/2006 1811	05/01/2006 1811	10
Ethylbenzene	40	ug/L	5.0	8260B	05/01/2006 1811	05/01/2006 1811	10
MTBE	16	ug/L	5.0	8260B	05/01/2006 1811	05/01/2006 1811	10
TAME	ND	ug/L	5.0	8260B	05/01/2006 1811	05/01/2006 1811	10
Toluene	ND	ug/L	5.0	8260B	05/01/2006 1811	05/01/2006 1811	10
Xylenes, Total	44	ug/L	10	8260B	05/01/2006 1811	05/01/2006 1811	10
TBA	ND	ug/L	50	8260B	05/01/2006 1811	05/01/2006 1811	10
DIPE	ND	ug/L	1.0	8260B	04/28/2006 1703	04/28/2006 1703	1.0
Gasoline Range Organics (GRO)-C6-C12	9700	ug/L	500	8260B	05/01/2006 1811	05/01/2006 1811	10
Ethyl tert-butyl ether	ND	ug/L	5.0	8260B	05/01/2006 1811	05/01/2006 1811	10
Surrogate					Acceptance Limits		
Toluene-d8	98	%		8260B	77 - 121		
1,2-Dichloroethane-d4	117	%		8260B	73 - 130		

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Job Number: 720-3347-1
 Lab Sample Id: 720-3347-6
 Date Sampled: 04/26/2006 1735
 Date Received: 04/26/2006 1216

Client Sample ID: B-4 @ 63'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	ug/L	5.0	8260B	05/01/2006 1838	05/01/2006 1838	10
Ethanol	ND	ug/L	1000	8260B	05/01/2006 1838	05/01/2006 1838	10
Ethylbenzene	ND	ug/L	5.0	8260B	05/01/2006 1838	05/01/2006 1838	10
MTBE	630	ug/L	5.0	8260B	05/01/2006 1838	05/01/2006 1838	10
TAME	ND	ug/L	5.0	8260B	05/01/2006 1838	05/01/2006 1838	10
Toluene	ND	ug/L	5.0	8260B	05/01/2006 1838	05/01/2006 1838	10
Xylenes, Total	ND	ug/L	10	8260B	05/01/2006 1838	05/01/2006 1838	10
TBA	170	ug/L	50	8260B	05/01/2006 1838	05/01/2006 1838	10
DIPE	ND	ug/L	1.0	8260B	04/28/2006 1730	04/28/2006 1730	1.0
Gasoline Range Organics (GRO)-C6-C12	810	ug/L	500	8260B	05/01/2006 1838	05/01/2006 1838	10
Ethyl tert-butyl ether	ND	ug/L	5.0	8260B	05/01/2006 1838	05/01/2006 1838	10
Surrogate					Acceptance Limits		
Toluene-d8	100	%		8260B	77 - 121		
1,2-Dichloroethane-d4	113	%		8260B	73 - 130		

DATA REPORTING QUALIFIERS

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

Lab Section	Qualifier	Description
GC/MS VOA	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS VOA				
Analysis Batch:720-8419				
LCS 720-8419/10	Lab Control Spike	Water	8260B	
LCSD 720-8419/9	Lab Control Spike Duplicate	Water	8260B	
MB 720-8419/11	Method Blank	Water	8260B	
720-3326-A-1 MS	Matrix Spike	Water	8260B	
720-3326-A-1 MSD	Matrix Spike Duplicate	Water	8260B	
720-3347-1	B-6 @ 43'	Water	8260B	
720-3347-2	B-6 @ 63'	Water	8260B	
720-3347-3	B-5 @ 65'	Water	8260B	
720-3347-4	B-5 @ 44'	Water	8260B	
720-3347-5	B-4 @ 43'	Water	8260B	
720-3347-6	B-4 @ 63'	Water	8260B	
Analysis Batch:720-8432				
LCS 720-8432/21	Lab Control Spike	Water	8260B	
LCSD 720-8432/20	Lab Control Spike Duplicate	Water	8260B	
MB 720-8432/22	Method Blank	Water	8260B	
720-3297-C-3 MS	Matrix Spike	Water	8260B	
720-3297-C-3 MSD	Matrix Spike Duplicate	Water	8260B	
720-3347-1	B-6 @ 43'	Water	8260B	
720-3347-2	B-6 @ 63'	Water	8260B	
720-3347-3	B-5 @ 65'	Water	8260B	
720-3347-4	B-5 @ 44'	Water	8260B	
720-3347-5	B-4 @ 43'	Water	8260B	
720-3347-6	B-4 @ 63'	Water	8260B	

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

Method Blank - Batch: 720-8419

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8419/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2006 0941
Date Prepared: 04/28/2006 0941

Analysis Batch: 720-8419
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200604\104
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8	100	77 - 121	
1,2-Dichloroethane-d4	115	73 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8419**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8419/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2006 0819
Date Prepared: 04/28/2006 0819

Analysis Batch: 720-8419
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturmws\data\200604\042
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8419/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2006 0846
Date Prepared: 04/28/2006 0846

Analysis Batch: 720-8419
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturmws\data\200604\042
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	94	94	69 - 129	1	25		
MTBE	103	105	65 - 165	2	25		
Toluene	103	97	70 - 130	6	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	105		97		77 - 121		
1,2-Dichloroethane-d4	99		99		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8419**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-3326-A-1 MS
Client Matrix: Water
Dilution: 10
Date Analyzed: 04/28/2006 1041
Date Prepared: 04/28/2006 1041

Analysis Batch: 720-8419
Prep Batch: N/A

Instrument ID: Varian 3900C
Lab File ID: c:\satumws\data\200604\0<
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-3326-A-1 MSD
Client Matrix: Water
Dilution: 10
Date Analyzed: 04/28/2006 1108
Date Prepared: 04/28/2006 1108

Analysis Batch: 720-8419
Prep Batch: N/A

Instrument ID: Varian 3900C
Lab File ID: c:\satumws\data\200604\0<
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	91	94	69 - 129	3	20		
MTBE	150	114	65 - 165	3	20	4	4
Toluene	101	100	70 - 130	0	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8	101		100		77 - 121		
1,2-Dichloroethane-d4	100		100		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

Method Blank - Batch: 720-8432

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8432/22
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2006 1110
Date Prepared: 05/01/2006 1110

Analysis Batch: 720-8432
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200605\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8	99	77 - 121	
1,2-Dichloroethane-d4	112	73 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8432**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8432/21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2006 0948
Date Prepared: 05/01/2006 0948

Analysis Batch: 720-8432
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\satumws\data\200605\01
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8432/20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2006 1016
Date Prepared: 05/01/2006 1016

Analysis Batch: 720-8432
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\satumws\data\200605\050
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	85	98	69 - 129	14	25		
MTBE	97	108	65 - 165	11	25		
Toluene	93	101	70 - 130	7	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	101		103		77 - 121		
1,2-Dichloroethane-d4	98		105		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8432**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-3297-C-3 MS
Client Matrix: Water
Dilution: 10
Date Analyzed: 05/01/2006 1339
Date Prepared: 05/01/2006 1339

Analysis Batch: 720-8432
Prep Batch: N/A

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200605\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-3297-C-3 MSD
Client Matrix: Water
Dilution: 10
Date Analyzed: 05/01/2006 1406
Date Prepared: 05/01/2006 1406

Analysis Batch: 720-8432
Prep Batch: N/A

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200605\05
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	101	99	69 - 129	1	20		
MTBE	107	108	65 - 165	1	20		
Toluene	100	101	70 - 130	1	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8	98		98		77 - 121		
1,2-Dichloroethane-d4	100		99		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3347-1

Login Number: 3347

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	out of temperature
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



STL

ANALYTICAL REPORT

Job Number: 720-3348-1

Job Description: Conoco Phillips #4186, Livermore

For:
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670

Attention: Mr. Daniel J Davis

A handwritten signature in black ink, appearing to read "D Sharma".

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
05/08/2006

cc: Mr. Ben Wright

Project Manager: Dimple Sharma

Severn Trent Laboratories, Inc.
STL San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.stl-inc.com

METHOD SUMMARY

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge and Trap for Solids	STL-SF		SW846 5030B
Purge-and-Trap for Aqueous Samples/High	STL-SF		SW846 5030B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SF	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL-SF		SW846 3050B

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986
And Its Updates.

SAMPLE SUMMARY

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-3348-1	B-6@ 25'	Solid	04/25/2006 0816	04/26/2006 1755
720-3348-2	B-6@ 35'	Solid	04/25/2006 0835	04/26/2006 1755
720-3348-3	B-6@ 46'	Solid	04/25/2006 1045	04/26/2006 1755
720-3348-4	B-6@ 55'	Solid	04/25/2006 1115	04/26/2006 1755
720-3348-5	B-5@ 40'	Solid	04/26/2006 0840	04/26/2006 1755
720-3348-6	B-5@ 50'	Solid	04/26/2006 0940	04/26/2006 1755
720-3348-7	B-5@ 60'	Solid	04/26/2006 1015	04/26/2006 1755
720-3348-8	B-4@ 10'	Solid	04/26/2006 1340	04/26/2006 1755
720-3348-9	B-4@ 40'	Solid	04/26/2006 1445	04/26/2006 1755
720-3348-10	B-4@ 50'	Solid	04/26/2006 1555	04/26/2006 1755
720-3348-11	B-4@ 60'	Solid	04/26/2006 1630	04/26/2006 1755

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Job Number: 720-3348-1
 Lab Sample Id: 720-3348-1
 Date Sampled: 04/25/2006 0816
 Date Received: 04/26/2006 1755

Client Sample ID: B-6@ 25'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	mg/Kg	0.0049	8260B	04/27/2006 1545	04/27/2006 1545	1.0
Ethanol	ND	mg/Kg	0.49	8260B	04/27/2006 1545	04/27/2006 1545	1.0
Ethylbenzene	ND	mg/Kg	0.0049	8260B	04/27/2006 1545	04/27/2006 1545	1.0
MTBE	0.29	mg/Kg	0.0049	8260B	04/27/2006 1545	04/27/2006 1545	1.0
TAME	ND	mg/Kg	0.0049	8260B	04/27/2006 1545	04/27/2006 1545	1.0
Toluene	ND	mg/Kg	0.0049	8260B	04/27/2006 1545	04/27/2006 1545	1.0
Xylenes, Total	ND	mg/Kg	0.0098	8260B	04/27/2006 1545	04/27/2006 1545	1.0
TBA	0.17	mg/Kg	0.0098	8260B	04/27/2006 1545	04/27/2006 1545	1.0
DIPE	ND	mg/Kg	0.0049	8260B	04/27/2006 1545	04/27/2006 1545	1.0
Gasoline Range Organics (GRO)-C6-C12	0.54	mg/Kg	0.25	8260B	04/27/2006 1545	04/27/2006 1545	1.0
Ethyl tert-butyl ether	ND	mg/Kg	0.0049	8260B	04/27/2006 1545	04/27/2006 1545	1.0
Surrogate					Acceptance Limits		
Toluene-d8	97	%		8260B	70 - 130		
1,2-Dichloroethane-d4	99	%		8260B	60 - 140		

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Job Number: 720-3348-1
 Lab Sample Id: 720-3348-2
 Date Sampled: 04/25/2006 0835
 Date Received: 04/26/2006 1755

Client Sample ID: B-6@ 35'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	mg/Kg	0.0049	8260B	04/27/2006 1606	04/27/2006 1606	1.0
Ethanol	ND	mg/Kg	0.49	8260B	04/27/2006 1606	04/27/2006 1606	1.0
Ethylbenzene	ND	mg/Kg	0.0049	8260B	04/27/2006 1606	04/27/2006 1606	1.0
MTBE	0.24	mg/Kg	0.0049	8260B	04/27/2006 1606	04/27/2006 1606	1.0
TAME	ND	mg/Kg	0.0049	8260B	04/27/2006 1606	04/27/2006 1606	1.0
Toluene	ND	mg/Kg	0.0049	8260B	04/27/2006 1606	04/27/2006 1606	1.0
Xylenes, Total	ND	mg/Kg	0.0098	8260B	04/27/2006 1606	04/27/2006 1606	1.0
TBA	ND	mg/Kg	0.0098	8260B	04/27/2006 1606	04/27/2006 1606	1.0
DIPE	ND	mg/Kg	0.0049	8260B	04/27/2006 1606	04/27/2006 1606	1.0
Gasoline Range Organics (GRO)-C6-C12	ND	mg/Kg	0.24	8260B	04/27/2006 1606	04/27/2006 1606	1.0
Ethyl tert-butyl ether	ND	mg/Kg	0.0049	8260B	04/27/2006 1606	04/27/2006 1606	1.0
Surrogate					Acceptance Limits		
Toluene-d8	99	%		8260B	70 - 130		
1,2-Dichloroethane-d4	91	%		8260B	60 - 140		

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Job Number: 720-3348-1
 Lab Sample Id: 720-3348-3
 Date Sampled: 04/25/2006 1045
 Date Received: 04/26/2006 1755

Client Sample ID: B-6@ 46'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	0.069	mg/Kg	0.0048	8260B	04/27/2006 1627	04/27/2006 1627	1.0
Ethanol	ND	mg/Kg	0.48	8260B	04/27/2006 1627	04/27/2006 1627	1.0
Ethylbenzene	ND	mg/Kg	0.0048	8260B	04/27/2006 1627	04/27/2006 1627	1.0
MTBE	0.093	mg/Kg	0.0048	8260B	04/27/2006 1627	04/27/2006 1627	1.0
TAME	ND	mg/Kg	0.0048	8260B	04/27/2006 1627	04/27/2006 1627	1.0
Toluene	ND	mg/Kg	0.0048	8260B	04/27/2006 1627	04/27/2006 1627	1.0
Xylenes, Total	ND	mg/Kg	0.0096	8260B	04/27/2006 1627	04/27/2006 1627	1.0
TBA	0.034	mg/Kg	0.0096	8260B	04/27/2006 1627	04/27/2006 1627	1.0
DIPE	ND	mg/Kg	0.0048	8260B	04/27/2006 1627	04/27/2006 1627	1.0
Gasoline Range Organics (GRO)-C6-C12	1.2	mg/Kg	0.24	8260B	04/27/2006 1627	04/27/2006 1627	1.0
Ethyl tert-butyl ether	ND	mg/Kg	0.0048	8260B	04/27/2006 1627	04/27/2006 1627	1.0
Surrogate					Acceptance Limits		
Toluene-d8	91	%		8260B	70 - 130		
1,2-Dichloroethane-d4	95	%		8260B	60 - 140		

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Job Number: 720-3348-1
 Lab Sample Id: 720-3348-4
 Date Sampled: 04/25/2006 1115
 Date Received: 04/26/2006 1755

Client Sample ID: B-6@ 55'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	mg/Kg	0.95	8260B	05/01/2006 1730	05/03/2006 1636	200
Ethanol	ND	mg/Kg	19	8260B	05/01/2006 1730	05/03/2006 1636	200
Ethylbenzene	ND	mg/Kg	0.95	8260B	05/01/2006 1730	05/03/2006 1636	200
MTBE	ND	mg/Kg	0.95	8260B	05/01/2006 1730	05/03/2006 1636	200
TAME	ND	mg/Kg	0.95	8260B	05/01/2006 1730	05/03/2006 1636	200
Toluene	ND	mg/Kg	0.95	8260B	05/01/2006 1730	05/03/2006 1636	200
Xylenes, Total	3.2	mg/Kg	1.9	8260B	05/01/2006 1730	05/03/2006 1636	200
TBA	ND	mg/Kg	1.9	8260B	05/01/2006 1730	05/03/2006 1636	200
DIPE	ND	mg/Kg	0.95	8260B	05/01/2006 1730	05/03/2006 1636	200
Gasoline Range Organics (GRO)-C6-C12	190	mg/Kg	48	8260B	05/01/2006 1730	05/03/2006 1636	200
Ethyl tert-butyl ether	ND	mg/Kg	0.95	8260B	05/01/2006 1730	05/03/2006 1636	200
Surrogate					Acceptance Limits		
Toluene-d8	92	%		8260B	50 - 130		
1,2-Dichloroethane-d4	102	%		8260B	60 - 140		

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Job Number: 720-3348-1
 Lab Sample Id: 720-3348-5
 Date Sampled: 04/26/2006 0840
 Date Received: 04/26/2006 1755

Client Sample ID: B-5@ 40'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	mg/Kg	0.0047	8260B	04/27/2006 1648	04/27/2006 1648	1.0
Ethanol	ND	mg/Kg	0.47	8260B	04/27/2006 1648	04/27/2006 1648	1.0
Ethylbenzene	ND	mg/Kg	0.0047	8260B	04/27/2006 1648	04/27/2006 1648	1.0
MTBE	ND	mg/Kg	0.0047	8260B	04/27/2006 1648	04/27/2006 1648	1.0
TAME	ND	mg/Kg	0.0047	8260B	04/27/2006 1648	04/27/2006 1648	1.0
Toluene	ND	mg/Kg	0.0047	8260B	04/27/2006 1648	04/27/2006 1648	1.0
Xylenes, Total	ND	mg/Kg	0.0094	8260B	04/27/2006 1648	04/27/2006 1648	1.0
TBA	ND	mg/Kg	0.0094	8260B	04/27/2006 1648	04/27/2006 1648	1.0
DIPE	ND	mg/Kg	0.0047	8260B	04/27/2006 1648	04/27/2006 1648	1.0
Gasoline Range Organics (GRO)-C6-C12	ND	mg/Kg	0.24	8260B	04/27/2006 1648	04/27/2006 1648	1.0
Ethyl tert-butyl ether	ND	mg/Kg	0.0047	8260B	04/27/2006 1648	04/27/2006 1648	1.0
Surrogate					Acceptance Limits		
Toluene-d8	92	%		8260B	70 - 130		
1,2-Dichloroethane-d4	97	%		8260B	60 - 140		

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Job Number: 720-3348-1
 Lab Sample Id: 720-3348-6
 Date Sampled: 04/26/2006 0940
 Date Received: 04/26/2006 1755

Client Sample ID: B-5@ 50'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	0.015	mg/Kg	0.0046	8260B	04/27/2006 1709	04/27/2006 1709	1.0
Ethanol	ND	mg/Kg	0.46	8260B	04/27/2006 1709	04/27/2006 1709	1.0
Ethylbenzene	0.070	mg/Kg	0.0046	8260B	04/27/2006 1709	04/27/2006 1709	1.0
MTBE	0.020	mg/Kg	0.0046	8260B	04/27/2006 1709	04/27/2006 1709	1.0
TAME	ND	mg/Kg	0.0046	8260B	04/27/2006 1709	04/27/2006 1709	1.0
Toluene	0.026	mg/Kg	0.0046	8260B	04/27/2006 1709	04/27/2006 1709	1.0
Xylenes, Total	0.19	mg/Kg	0.0092	8260B	04/27/2006 1709	04/27/2006 1709	1.0
TBA	ND	mg/Kg	0.0092	8260B	04/27/2006 1709	04/27/2006 1709	1.0
DIPE	ND	mg/Kg	0.0046	8260B	04/27/2006 1709	04/27/2006 1709	1.0
Gasoline Range Organics (GRO)-C6-C12	4.4	mg/Kg	0.23	8260B	04/27/2006 1709	04/27/2006 1709	1.0
Ethyl tert-butyl ether	ND	mg/Kg	0.0046	8260B	04/27/2006 1709	04/27/2006 1709	1.0
Surrogate					Acceptance Limits		
Toluene-d8	98	%		8260B	70 - 130		
1,2-Dichloroethane-d4	98	%		8260B	60 - 140		

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Job Number: 720-3348-1
 Lab Sample Id: 720-3348-7
 Date Sampled: 04/26/2006 1015
 Date Received: 04/26/2006 1755

Client Sample ID: B-5@ 60'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	mg/Kg	0.0048	8260B	04/27/2006 1731	04/27/2006 1731	1.0
Ethanol	ND	mg/Kg	0.48	8260B	04/27/2006 1731	04/27/2006 1731	1.0
Ethylbenzene	ND	mg/Kg	0.0048	8260B	04/27/2006 1731	04/27/2006 1731	1.0
MTBE	ND	mg/Kg	0.0048	8260B	04/27/2006 1731	04/27/2006 1731	1.0
TAME	ND	mg/Kg	0.0048	8260B	04/27/2006 1731	04/27/2006 1731	1.0
Toluene	ND	mg/Kg	0.0048	8260B	04/27/2006 1731	04/27/2006 1731	1.0
Xylenes, Total	ND	mg/Kg	0.0097	8260B	04/27/2006 1731	04/27/2006 1731	1.0
TBA	ND	mg/Kg	0.0097	8260B	04/27/2006 1731	04/27/2006 1731	1.0
DIPE	ND	mg/Kg	0.0048	8260B	04/27/2006 1731	04/27/2006 1731	1.0
Gasoline Range Organics (GRO)-C6-C12	ND	mg/Kg	0.24	8260B	04/27/2006 1731	04/27/2006 1731	1.0
Ethyl tert-butyl ether	ND	mg/Kg	0.0048	8260B	04/27/2006 1731	04/27/2006 1731	1.0
Surrogate					Acceptance Limits		
Toluene-d8	94	%		8260B	70 - 130		
1,2-Dichloroethane-d4	98	%		8260B	60 - 140		

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Job Number: 720-3348-1
Lab Sample Id: 720-3348-8
Date Sampled: 04/26/2006 1340
Date Received: 04/26/2006 1755

Client Sample ID: B-4@ 10'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
METALS							
Lead	3.9	mg/Kg	0.96	6010B	04/28/2006 0741	04/28/2006 1801	1.0

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Job Number: 720-3348-1
 Lab Sample Id: 720-3348-9
 Date Sampled: 04/26/2006 1445
 Date Received: 04/26/2006 1755

Client Sample ID: B-4@ 40'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	mg/Kg	0.0049	8260B	04/28/2006 1406	04/28/2006 1406	1.0
Ethanol	ND	mg/Kg	0.49	8260B	04/28/2006 1406	04/28/2006 1406	1.0
Ethylbenzene	ND	mg/Kg	0.0049	8260B	04/28/2006 1406	04/28/2006 1406	1.0
MTBE	0.019	mg/Kg	0.0049	8260B	04/28/2006 1406	04/28/2006 1406	1.0
TAME	ND	mg/Kg	0.0049	8260B	04/28/2006 1406	04/28/2006 1406	1.0
Toluene	ND	mg/Kg	0.0049	8260B	04/28/2006 1406	04/28/2006 1406	1.0
Xylenes, Total	0.031	mg/Kg	0.0097	8260B	04/28/2006 1406	04/28/2006 1406	1.0
TBA	ND	mg/Kg	0.0097	8260B	04/28/2006 1406	04/28/2006 1406	1.0
DIPE	ND	mg/Kg	0.0049	8260B	04/28/2006 1406	04/28/2006 1406	1.0
Gasoline Range Organics (GRO)-C6-C12	0.35	mg/Kg	0.24	8260B	04/28/2006 1406	04/28/2006 1406	1.0
Ethyl tert-butyl ether	ND	mg/Kg	0.0049	8260B	04/28/2006 1406	04/28/2006 1406	1.0
Surrogate					Acceptance Limits		
Toluene-d8	89	%		8260B	70 - 130		
1,2-Dichloroethane-d4	101	%		8260B	60 - 140		

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Job Number: 720-3348-1
 Lab Sample Id: 720-3348-10
 Date Sampled: 04/26/2006 1555
 Date Received: 04/26/2006 1755

Client Sample ID: B-4@ 50'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	mg/Kg	0.0047	8260B	04/28/2006 1107	04/28/2006 1107	1.0
Ethanol	ND	mg/Kg	0.47	8260B	04/28/2006 1107	04/28/2006 1107	1.0
Ethylbenzene	ND	mg/Kg	0.0047	8260B	04/28/2006 1107	04/28/2006 1107	1.0
MTBE	0.088	mg/Kg	0.0047	8260B	04/28/2006 1107	04/28/2006 1107	1.0
TAME	ND	mg/Kg	0.0047	8260B	04/28/2006 1107	04/28/2006 1107	1.0
Toluene	ND	mg/Kg	0.0047	8260B	04/28/2006 1107	04/28/2006 1107	1.0
Xylenes, Total	0.023	mg/Kg	0.0093	8260B	04/28/2006 1107	04/28/2006 1107	1.0
TBA	0.010	mg/Kg	0.0093	8260B	04/28/2006 1107	04/28/2006 1107	1.0
DIPE	ND	mg/Kg	0.0047	8260B	04/28/2006 1107	04/28/2006 1107	1.0
Gasoline Range Organics (GRO)-C6-C12	0.89	mg/Kg	0.23	8260B	04/28/2006 1107	04/28/2006 1107	1.0
Ethyl tert-butyl ether	ND	mg/Kg	0.0047	8260B	04/28/2006 1107	04/28/2006 1107	1.0
Surrogate					Acceptance Limits		
Toluene-d8	89	%		8260B	70 - 130		
1,2-Dichloroethane-d4	99	%		8260B	60 - 140		

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Job Number: 720-3348-1
 Lab Sample Id: 720-3348-11
 Date Sampled: 04/26/2006 1630
 Date Received: 04/26/2006 1755

Client Sample ID: B-4@ 60'

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS VOA							
Benzene	ND	mg/Kg	0.0048	8260B	04/28/2006 1428	04/28/2006 1428	1.0
Ethanol	ND	mg/Kg	0.48	8260B	04/28/2006 1428	04/28/2006 1428	1.0
Ethylbenzene	ND	mg/Kg	0.0048	8260B	04/28/2006 1428	04/28/2006 1428	1.0
MTBE	0.020	mg/Kg	0.0048	8260B	04/28/2006 1428	04/28/2006 1428	1.0
TAME	ND	mg/Kg	0.0048	8260B	04/28/2006 1428	04/28/2006 1428	1.0
Toluene	ND	mg/Kg	0.0048	8260B	04/28/2006 1428	04/28/2006 1428	1.0
Xylenes, Total	ND	mg/Kg	0.0097	8260B	04/28/2006 1428	04/28/2006 1428	1.0
TBA	0.060	mg/Kg	0.0097	8260B	04/28/2006 1428	04/28/2006 1428	1.0
DIPE	ND	mg/Kg	0.0048	8260B	04/28/2006 1428	04/28/2006 1428	1.0
Gasoline Range Organics (GRO)-C6-C12	ND	mg/Kg	0.24	8260B	04/28/2006 1428	04/28/2006 1428	1.0
Ethyl tert-butyl ether	ND	mg/Kg	0.0048	8260B	04/28/2006 1428	04/28/2006 1428	1.0
Surrogate					Acceptance Limits		
Toluene-d8	92	%		8260B	70 - 130		
1,2-Dichloroethane-d4	101	%		8260B	60 - 140		

DATA REPORTING QUALIFIERS

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

<u>Lab Section</u>	<u>Qualifier</u>	<u>Description</u>
GC/MS VOA	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits
Metals	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS VOA				
Analysis Batch:720-8338				
LCS 720-8338/19	Lab Control Spike	Solid	8260B	
LCSD 720-8338/18	Lab Control Spike Duplicate	Solid	8260B	
MB 720-8338/20	Method Blank	Solid	8260B	
720-3332-A-2 MS	Matrix Spike	Solid	8260B	
720-3332-A-2 MSD	Matrix Spike Duplicate	Solid	8260B	
720-3348-1	B-6@ 25'	Solid	8260B	
720-3348-2	B-6@ 35'	Solid	8260B	
720-3348-3	B-6@ 46'	Solid	8260B	
720-3348-5	B-5@ 40'	Solid	8260B	
720-3348-6	B-5@ 50'	Solid	8260B	
720-3348-7	B-5@ 60'	Solid	8260B	
Analysis Batch:720-8369				
LCS 720-8369/15	Lab Control Spike	Solid	8260B	
LCSD 720-8369/14	Lab Control Spike Duplicate	Solid	8260B	
MB 720-8369/16	Method Blank	Solid	8260B	
720-3348-9	B-4@ 40'	Solid	8260B	
720-3348-10	B-4@ 50'	Solid	8260B	
720-3348-10MS	Matrix Spike	Solid	8260B	
720-3348-10MSD	Matrix Spike Duplicate	Solid	8260B	
720-3348-11	B-4@ 60'	Solid	8260B	
Prep Batch: 720-8421				
720-3348-4	B-6@ 55'	Solid	5030B	
Analysis Batch:720-8484				
720-3348-4	B-6@ 55'	Solid	8260B	720-8421
Metals				
Prep Batch: 720-8287				
LCS 720-8287/2-A	Lab Control Spike	Solid	3050B	
LCSD 720-8287/3-A	Lab Control Spike Duplicate	Solid	3050B	
MB 720-8287/1-A	Method Blank	Solid	3050B	
720-3348-8	B-4@ 10'	Solid	3050B	
720-3352-A-1-B MS	Matrix Spike	Solid	3050B	
720-3352-A-1-C MSD	Matrix Spike Duplicate	Solid	3050B	
Analysis Batch:720-8312				
LCS 720-8287/2-A	Lab Control Spike	Solid	6010B	720-8287
LCSD 720-8287/3-A	Lab Control Spike Duplicate	Solid	6010B	720-8287
MB 720-8287/1-A	Method Blank	Solid	6010B	720-8287
720-3348-8	B-4@ 10'	Solid	6010B	720-8287
720-3352-A-1-B MS	Matrix Spike	Solid	6010B	720-8287
720-3352-A-1-C MSD	Matrix Spike Duplicate	Solid	6010B	720-8287

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Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

Method Blank - Batch: 720-8338

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8338/20
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/27/2006 1040
Date Prepared: 04/27/2006 1040

Analysis Batch: 720-8338
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\04
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethanol	ND		0.50
Ethylbenzene	ND		0.0050
MTBE	ND		0.0050
TAME	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
TBA	ND		0.010
DIPE	ND		0.0050
Gasoline Range Organics (GRO)-C6-C12	ND		0.25
Ethyl tert-butyl ether	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
Toluene-d8	90	70 - 130	
1,2-Dichloroethane-d4	104	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8338**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8338/19
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/27/2006 0936
Date Prepared: 04/27/2006 0936

Analysis Batch: 720-8338
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\042
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8338/18
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/27/2006 0958
Date Prepared: 04/27/2006 0958

Analysis Batch: 720-8338
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\042
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	99	96	69 - 129	3	20		
MTBE	88	97	65 - 165	10	20		
Toluene	93	85	70 - 130	9	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	97		85		70 - 130		
1,2-Dichloroethane-d4	95		100		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8338**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-3332-A-2 MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/27/2006 1159
Date Prepared: 04/27/2006 1159

Analysis Batch: 720-8338
Prep Batch: N/A

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\04
Initial Weight/Volume: 5.27 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-3332-A-2 MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/27/2006 1221
Date Prepared: 04/27/2006 1221

Analysis Batch: 720-8338
Prep Batch: N/A

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\04
Initial Weight/Volume: 5.41 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	92	82	69 - 129	14	20		
MTBE	80	81	65 - 165	2	20		
Toluene	86	80	70 - 130	10	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8	96		95		70 - 130		
1,2-Dichloroethane-d4	98		98		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

Method Blank - Batch: 720-8369

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8369/16
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/28/2006 1028
Date Prepared: 04/28/2006 1028

Analysis Batch: 720-8369
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200604\04
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethanol	ND		0.50
Ethylbenzene	ND		0.0050
MTBE	ND		0.0050
TAME	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
TBA	ND		0.010
DIPE	ND		0.0050
Gasoline Range Organics (GRO)-C6-C12	ND		0.25
Ethyl tert-butyl ether	ND		0.0050

Surrogate	% Rec	Acceptance Limits
Toluene-d8	89	70 - 130
1,2-Dichloroethane-d4	94	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8369**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8369/15
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/28/2006 0944
Date Prepared: 04/28/2006 0944

Analysis Batch: 720-8369
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200604\042
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8369/14
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/28/2006 1006
Date Prepared: 04/28/2006 1006

Analysis Batch: 720-8369
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200604\042
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	89	92	69 - 129	4	20		
MTBE	94	92	65 - 165	3	20		
Toluene	88	91	70 - 130	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	90		89		70 - 130		
1,2-Dichloroethane-d4	92		88		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8369**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-3348-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/28/2006 1129
Date Prepared: 04/28/2006 1129

Analysis Batch: 720-8369
Prep Batch: N/A

Instrument ID: Varian 3900A
Lab File ID: c:\saturaws\data\200604\04
Initial Weight/Volume: 5.50 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-3348-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/28/2006 1152
Date Prepared: 04/28/2006 1152

Analysis Batch: 720-8369
Prep Batch: N/A

Instrument ID: Varian 3900A
Lab File ID: c:\saturaws\data\200604\04
Initial Weight/Volume: 5.26 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	92	87	69 - 129	1	20		
MTBE	92	46	65 - 165	17	20		*
Toluene	87	81	70 - 130	3	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8	92		91		70 - 130		
1,2-Dichloroethane-d4	99		96		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

Method Blank - Batch: 720-8287

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-8287/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/28/2006 1642
Date Prepared: 04/28/2006 0741

Analysis Batch: 720-8312
Prep Batch: 720-8287
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	ND		1.0

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8287**

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 720-8287/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/28/2006 1645
Date Prepared: 04/28/2006 0741

Analysis Batch: 720-8312
Prep Batch: 720-8287
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-8287/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/28/2006 1649
Date Prepared: 04/28/2006 0741

Analysis Batch: 720-8312
Prep Batch: 720-8287
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	100	102	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8287**

**Method: 6010B
Preparation: 3050B**

MS Lab Sample ID: 720-3352-A-1-B MS Analysis Batch: 720-8312
 Client Matrix: Solid Prep Batch: 720-8287
 Dilution: 1.0
 Date Analyzed: 04/28/2006 1657
 Date Prepared: 04/28/2006 0741

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 1.01 g
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 720-3352-A-1-C MSD Analysis Batch: 720-8312
 Client Matrix: Solid Prep Batch: 720-8287
 Dilution: 1.0
 Date Analyzed: 04/28/2006 1701
 Date Prepared: 04/28/2006 0741

Instrument ID: Varian ICP
 Lab File ID: N/A
 Initial Weight/Volume: 0.99 g
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Lead	67	74	75 - 125	11	20	*	*

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL-San Francisco

720 3948

ConocoPhillips Chain Of Custody Record

40636

1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

CONCOPHILLIPS
Attn: Dee Hutchinson
3614 South Harbor, Suite 200
Santa Ana, CA. 92704

ConocoPhillips Work Order Number:

1237DEL003

ConocoPhillips Cost Object

WMO1237E01R

DATE 4/26/06
PAGE 1 of 2

SAMPLER COMPANY: Delta Environmental		CONCOPHILLIPS SITE NUMBER: 4186		GLOBAL ID NO.: T0600101777																																																																																																																																																		
ADDRESS: 3154 Gold Camp Drive, Suite 200 Rancho Cordova, CA 95670		SITE ADDRESS (Street and City): 1771 First Street, Livermore, CA		CONCOPHILLIPS SITE MANAGER: Shelby Lattrop																																																																																																																																																		
PROJECT CONTACT (Responsible for PIR Report): Daniel J. Davis		PIR DELIVERABLE TO (PIR or Designer): dwright@deltagenv.com		LAB USE ONLY																																																																																																																																																		
TELEPHONE: 916-503-1275	FAX: 916-638-0385	E-MAIL: ddavis@deltagenv.com																																																																																																																																																				
SAMPLER NAME(S)(PHYS): Ben Wright		CONSULTANT PROJECT NUMBER: C104186031		REQUESTED ANALYSES																																																																																																																																																		
TURNAROUND TIME (CALENDAR DAYS): <input checked="" type="checkbox"/> 14 DAYS <input type="checkbox"/> 7 DAYS <input type="checkbox"/> 32 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS																																																																																																																																																						
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDIT IS NEEDED <input checked="" type="checkbox"/>																																																																																																																																																						
<table border="1"> <thead> <tr> <th rowspan="2">Sample ID</th> <th rowspan="2">Sample Identification/Field Point Name*</th> <th colspan="2">SAMPLING</th> <th rowspan="2">MATRIX</th> <th rowspan="2">NO OF CONT.</th> <th rowspan="2">8015M - TPH-G Extractable</th> <th rowspan="2">8260B - TPH-HI BTEX/MTBE/ DIPE/ ETBA/ TAME/ ethanol</th> <th rowspan="2">8260B - TPH-HI BTEX/ MTBE</th> <th rowspan="2">8260B - TPH-G/ BTEX/ B Oxygenates</th> <th rowspan="2">8260B - TPH-G/ BTEX/ B Oxygenates - methanol (8015M)</th> <th rowspan="2">8270C - Semi-Volatiles</th> <th rowspan="2">8015M / 8021B - TPH-G/ BTEX/ MTBE</th> <th rowspan="2">8010 - Lead <input checked="" type="checkbox"/> Total <input type="checkbox"/> CLP</th> <th rowspan="2">FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes</th> </tr> <tr> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td>25 of 26</td> <td>B-6/B-6@ 25'</td> <td>4/25/06</td> <td>816</td> <td>Soil</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td rowspan="9">TEMPERATURE ON RECEIPT C° <u>17</u></td> </tr> <tr> <td></td> <td>B-6/B-6@ 35'</td> <td>4/25/06</td> <td>835</td> <td>Soil</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>B-6/B-6@ 46'</td> <td>4/25/06</td> <td>8045</td> <td>Soil</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>B-6/B-6@ 55'</td> <td>4/15/06</td> <td>1115</td> <td>Soil</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>B-5/B-5@ 40'</td> <td>4/24/06</td> <td>840</td> <td>Soil</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>B-5/B-5@ 50'</td> <td>4/24/06</td> <td>940</td> <td>Soil</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>B-5/B-5@ 60'</td> <td>4/24/06</td> <td>1015</td> <td>Soil</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>B-4/B-4@ 10'</td> <td>4/26/06</td> <td>1340</td> <td>Soil</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td></td> </tr> </tbody> </table>						Sample ID	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO OF CONT.	8015M - TPH-G Extractable	8260B - TPH-HI BTEX/MTBE/ DIPE/ ETBA/ TAME/ ethanol	8260B - TPH-HI BTEX/ MTBE	8260B - TPH-G/ BTEX/ B Oxygenates	8260B - TPH-G/ BTEX/ B Oxygenates - methanol (8015M)	8270C - Semi-Volatiles	8015M / 8021B - TPH-G/ BTEX/ MTBE	8010 - Lead <input checked="" type="checkbox"/> Total <input type="checkbox"/> CLP	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	DATE	TIME	25 of 26	B-6/B-6@ 25'	4/25/06	816	Soil	1			X						TEMPERATURE ON RECEIPT C° <u>17</u>		B-6/B-6@ 35'	4/25/06	835	Soil	1			X							B-6/B-6@ 46'	4/25/06	8045	Soil	1			X							B-6/B-6@ 55'	4/15/06	1115	Soil	1			X							B-5/B-5@ 40'	4/24/06	840	Soil	1			X							B-5/B-5@ 50'	4/24/06	940	Soil	1			X							B-5/B-5@ 60'	4/24/06	1015	Soil	1			X							B-4/B-4@ 10'	4/26/06	1340	Soil	1								X															
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Revised by (Signature): <i>Ben Wright</i>		Received by (Signature): <i>Dee Hutchinson</i>		Date: <u>4/26/06</u>																																																																																																																																																		
Revised by (Signature):		Received by (Signature):		Date: <u>1755</u>																																																																																																																																																		
Revised by (Signature):		Received by (Signature):		Date:																																																																																																																																																		

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3348-1

Login Number: 3348

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Out of temperature
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



STL

ANALYTICAL REPORT

Job Number: 720-3296-1

Job Description: Conoco Phillips #4186, Livermore

For:
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670

Attention: Mr. Daniel J Davis

A handwritten signature in black ink, appearing to read "D Sharma".

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
05/08/2006

cc: Mr. Ben Wright

Project Manager: Dimple Sharma

Severn Trent Laboratories, Inc.

STL San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.stl-inc.com

METHOD SUMMARY

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Description	Lab Location	Method	Preparation Method
-------------	--------------	--------	--------------------

Matrix: Solid			
----------------------	--	--	--

Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge and Trap for Solids	STL-SF		SW846 5030B
Purge-and-Trap for Aqueous Samples/High	STL-SF		SW846 5030B

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986
And Its Updates.

SAMPLE SUMMARY

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-3296-1	B-2@40'	Solid	04/19/2006 1305	04/21/2006 1807
720-3296-2	B-2@45'	Solid	04/19/2006 1320	04/21/2006 1807
720-3296-3	B-2@60'	Solid	04/19/2006 1400	04/21/2006 1807
720-3296-4	B-1@40'	Solid	04/20/2006 0850	04/21/2006 1807
720-3296-5	B-1@45'	Solid	04/20/2006 0950	04/21/2006 1807
720-3296-6	B-1@60'	Solid	04/20/2006 1020	04/21/2006 1807
720-3296-7	B-3@35'	Solid	04/20/2006 1500	04/21/2006 1807
720-3296-8	B-3@40'	Solid	04/20/2006 1540	04/21/2006 1807
720-3296-9	B-3@65'	Solid	04/20/2006 1645	04/21/2006 1807
720-3296-10	S-7@35'	Solid	04/21/2006 1035	04/21/2006 1807
720-3296-11	S-7@45'	Solid	04/21/2006 1120	04/21/2006 1807
720-3296-12	S-7@55'	Solid	04/21/2006 1150	04/21/2006 1807

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: B-2@40'

Lab Sample ID: 720-3296-1

Date Sampled: 04/19/2006 1305

Client Matrix: Solid

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-8178 Instrument ID: Varian 3900E
Preparation: 5030B Prep Batch: 720-8196 Lab File ID: c:\varianws\data\200604\04
Dilution: 200 Initial Weight/Volume: 5.09 g
Date Analyzed: 04/25/2006 1958 Final Weight/Volume: 10 mL
Date Prepared: 04/25/2006 1610

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.98
Ethanol		64		20
Ethylbenzene		ND		0.98
MTBE		ND		0.98
TAME		ND		0.98
Toluene		ND		0.98
Xylenes, Total		ND		2.0
TBA		ND		2.0
DIPE		ND		0.98
Gasoline Range Organics (GRO)-C6-C12		120		49
Ethyl tert-butyl ether		ND		0.98
Surrogate		%Rec		Acceptance Limits
Toluene-d8		81		50 - 130
1,2-Dichloroethane-d4		83		60 - 140

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: B-2@45'

Lab Sample ID: 720-3296-2

Client Matrix: Solid

Date Sampled: 04/19/2006 1320

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-8178

Instrument ID: Varian 3900E

Preparation: 5030B

Prep Batch: 720-8196

Lab File ID: c:\varianws\data\200604\04

Dilution: 200

Initial Weight/Volume: 5.84 g

Date Analyzed: 04/26/2006 1723

Final Weight/Volume: 10 mL

Date Prepared: 04/25/2006 1610

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.86
Ethanol		58		17
Ethylbenzene		ND		0.86
MTBE		ND		0.86
TAME		ND		0.86
Toluene		ND		0.86
Xylenes, Total		ND		1.7
TBA		ND		1.7
DIPE		ND		0.86
Gasoline Range Organics (GRO)-C6-C12		180		43
Ethyl tert-butyl ether		ND		0.86
Surrogate		%Rec		Acceptance Limits
Toluene-d8		88		50 - 130
1,2-Dichloroethane-d4		99		60 - 140

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: B-2@60'

Lab Sample ID: 720-3296-3

Client Matrix: Solid

Date Sampled: 04/19/2006 1400

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-8187

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200604\04

Dilution: 1.0

Initial Weight/Volume: 5.08 g

Date Analyzed: 04/25/2006 1335

Final Weight/Volume: 10 mL

Date Prepared: 04/25/2006 1335

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0049
Ethanol		ND		0.49
Ethylbenzene		ND		0.0049
MTBE		ND		0.0049
TAME		ND		0.0049
Toluene		ND		0.0049
Xylenes, Total		ND		0.0098
TBA		ND		0.0098
DIPE		ND		0.0049
Gasoline Range Organics (GRO)-C6-C12		ND		0.25
Ethyl tert-butyl ether		ND		0.0049
Surrogate		%Rec		Acceptance Limits
Toluene-d8		97		70 - 130
1,2-Dichloroethane-d4		99		60 - 140

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: B-1@45'

Lab Sample ID: 720-3296-5

Date Sampled: 04/20/2006 0950

Client Matrix: Solid

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-8484

Instrument ID: Varian 3900A

Preparation: 5030B

Prep Batch: 720-8421

Lab File ID: c:\saturnws\data\200605\05

Dilution: 200

Initial Weight/Volume: 5.24 g

Date Analyzed: 05/03/2006 1530

Final Weight/Volume: 10 mL

Date Prepared: 05/01/2006 1730

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.95
Ethanol		ND		19
Ethylbenzene		ND		0.95
MTBE		ND		0.95
TAME		ND		0.95
Toluene		ND		0.95
Xylenes, Total		2.1		1.9
TBA		ND		1.9
DIPE		ND		0.95
Gasoline Range Organics (GRO)-C6-C12		450		48
Ethyl tert-butyl ether		ND		0.95
Surrogate		%Rec		Acceptance Limits
Toluene-d8		100		50 - 130
1,2-Dichloroethane-d4		120		60 - 140

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: B-1@60'

Lab Sample ID: 720-3296-6

Date Sampled: 04/20/2006 1020

Client Matrix: Solid

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 720-8228	Instrument ID: Saturn 2100
Preparation:	5030B		Lab File ID: c:\saturnws\data\200604\04
Dilution:	1.0		Initial Weight/Volume: 5.50 g
Date Analyzed:	04/26/2006 2013		Final Weight/Volume: 10 mL
Date Prepared:	04/26/2006 2013		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0045
Ethylbenzene		ND		0.0045
MTBE		ND		0.0045
TAME		ND		0.0045
Toluene		ND		0.0045
Xylenes, Total		ND		0.0091
TBA		ND		0.0091
DIPE		ND		0.0045
Gasoline Range Organics (GRO)-C6-C12		0.29		0.23
Ethyl tert-butyl ether		ND		0.0045
Surrogate		%Rec		Acceptance Limits
Toluene-d8		98		70 - 130
1,2-Dichloroethane-d4		93		60 - 140

Method:	8260B	Analysis Batch: 720-8383	Instrument ID: Varian 3900E
Preparation:	5030B		Lab File ID: c:\varianws\data\200605\05
Dilution:	1.0		Initial Weight/Volume: 5.39 g
Date Analyzed:	05/01/2006 1429		Final Weight/Volume: 10 mL
Date Prepared:	05/01/2006 1429		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Ethanol		ND		0.46

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: B-3@35'

Lab Sample ID: 720-3296-7

Date Sampled: 04/20/2006 1500

Client Matrix: Solid

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-8187

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200604\04

Dilution: 1.0

Initial Weight/Volume: 5.36 g

Date Analyzed: 04/25/2006 1612

Final Weight/Volume: 10 mL

Date Prepared: 04/25/2006 1612

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0047
Ethanol		ND		0.47
Ethylbenzene		ND		0.0047
MTBE		ND		0.0047
TAME		ND		0.0047
Toluene		ND		0.0047
Xylenes, Total		ND		0.0093
TBA		ND		0.0093
DIPE		ND		0.0047
Gasoline Range Organics (GRO)-C6-C12		ND		0.23
Ethyl tert-butyl ether		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8		100		70 - 130
1,2-Dichloroethane-d4		90		60 - 140

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: B-3@40'

Lab Sample ID: 720-3296-8

Date Sampled: 04/20/2006 1540

Client Matrix: Solid

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-8338

Instrument ID: Varian 3900E

Preparation: 5030B

Lab File ID: c:\varianws\data\200604\04

Dilution: 1.0

Initial Weight/Volume: 1.11 g

Date Analyzed: 04/27/2006 1948

Final Weight/Volume: 10 mL

Date Prepared: 04/27/2006 1948

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.023
Ethanol		ND		2.3
Ethylbenzene		0.20		0.023
MTBE		ND		0.023
TAME		ND		0.023
Toluene		ND		0.023
Xylenes, Total		0.42		0.045
TBA		ND		0.045
DIPE		ND		0.023
Gasoline Range Organics (GRO)-C6-C12		30		1.1
Ethyl tert-butyl ether		ND		0.023
Surrogate		%Rec		Acceptance Limits
Toluene-d8		102		70 - 130
1,2-Dichloroethane-d4		93		60 - 140

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: B-3@65'

Lab Sample ID: 720-3296-9

Date Sampled: 04/20/2006 1645

Client Matrix: Solid

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 720-8228	Instrument ID: Saturn 2100
Preparation:	5030B		Lab File ID: c:\saturnws\data\200604\04
Dilution:	1.0		Initial Weight/Volume: 5.14 g
Date Analyzed:	04/26/2006 1854		Final Weight/Volume: 10 mL
Date Prepared:	04/26/2006 1854		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0049
Ethylbenzene		ND		0.0049
MTBE		0.0069		0.0049
TAME		ND		0.0049
Toluene		ND		0.0049
Xylenes, Total		ND		0.0097
TBA		0.026		0.0097
DIPE		ND		0.0049
Gasoline Range Organics (GRO)-C6-C12		ND		0.24
Ethyl tert-butyl ether		ND		0.0049
Surrogate		%Rec	Acceptance Limits	
Toluene-d8		97		70 - 130
1,2-Dichloroethane-d4		102		60 - 140

Method:	8260B	Analysis Batch: 720-8383	Instrument ID: Varian 3900E
Preparation:	5030B		Lab File ID: c:\varianws\data\200605\05
Dilution:	1.0		Initial Weight/Volume: 5.00 g
Date Analyzed:	05/01/2006 1535		Final Weight/Volume: 10 mL
Date Prepared:	05/01/2006 1535		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Ethanol		ND		0.50

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: S-7@35'

Lab Sample ID: 720-3296-10

Date Sampled: 04/21/2006 1035

Client Matrix: Solid

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-8187

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200604\04

Dilution: 1.0

Initial Weight/Volume: 5.22 g

Date Analyzed: 04/25/2006 1730

Final Weight/Volume: 10 mL

Date Prepared: 04/25/2006 1730

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0048
Ethanol		ND		0.48
Ethylbenzene		ND		0.0048
MTBE		ND		0.0048
TAME		ND		0.0048
Toluene		ND		0.0048
Xylenes, Total		ND		0.0096
TBA		ND		0.0096
DIPE		ND		0.0048
Gasoline Range Organics (GRO)-C6-C12		ND		0.24
Ethyl tert-butyl ether		ND		0.0048
Surrogate		%Rec		Acceptance Limits
Toluene-d8		99		70 - 130
1,2-Dichloroethane-d4		86		60 - 140

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: S-7@45'

Lab Sample ID: 720-3296-11

Date Sampled: 04/21/2006 1120

Client Matrix: Solid

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-8178

Instrument ID: Varian 3900E

Preparation: 5030B

Prep Batch: 720-8196

Lab File ID: c:\varianws\data\200604\04

Dilution: 200

Initial Weight/Volume: 5.63 g

Date Analyzed: 04/26/2006 1819

Final Weight/Volume: 10 mL

Date Prepared: 04/25/2006 1610

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		1.3		0.89
Ethanol		27		18
Ethylbenzene		5.6		0.89
MTBE		ND		0.89
TAME		ND		0.89
Toluene		ND		0.89
Xylenes, Total		14		1.8
TBA		ND		1.8
DIPE		ND		0.89
Gasoline Range Organics (GRO)-C6-C12		700		44
Ethyl tert-butyl ether		ND		0.89
Surrogate		%Rec		Acceptance Limits
Toluene-d8		92		50 - 130
1,2-Dichloroethane-d4		89		60 - 140

Analytical Data

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Client Sample ID: S-7@55'

Lab Sample ID: 720-3296-12

Date Sampled: 04/21/2006 1150

Client Matrix: Solid

Date Received: 04/21/2006 1807

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-8187

Instrument ID: Saturn 2100

Preparation: 5030B

Lab File ID: c:\saturnws\data\200604\04

Dilution: 1.0

Initial Weight/Volume: 5.23 g

Date Analyzed: 04/25/2006 1756

Final Weight/Volume: 10 mL

Date Prepared: 04/25/2006 1756

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0048
Ethanol		ND		0.48
Ethylbenzene		ND		0.0048
MTBE		ND		0.0048
TAME		ND		0.0048
Toluene		ND		0.0048
Xylenes, Total		ND		0.0096
TBA		ND		0.0096
DIPE		ND		0.0048
Gasoline Range Organics (GRO)-C6-C12		1.0		0.24
Ethyl tert-butyl ether		ND		0.0048
Surrogate		%Rec		Acceptance Limits
Toluene-d8		90		70 - 130
1,2-Dichloroethane-d4		82		60 - 140

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS VOA				
Analysis Batch:720-8187				
LCS 720-8187/9	Lab Control Spike	Solid	8260B	
LCSD 720-8187/8	Lab Control Spike Duplicate	Solid	8260B	
MB 720-8187/10	Method Blank	Solid	8260B	
720-3296-3	B-2@60'	Solid	8260B	
720-3296-3MS	Matrix Spike	Solid	8260B	
720-3296-3MSD	Matrix Spike Duplicate	Solid	8260B	
720-3296-4	B-1@40'	Solid	8260B	
720-3296-7	B-3@35'	Solid	8260B	
720-3296-10	S-7@35'	Solid	8260B	
720-3296-12	S-7@55'	Solid	8260B	
Prep Batch: 720-8196				
LCSD 720-8196/3-A	Lab Control Spike Duplicate	Solid	5030B	
720-3296-1	B-2@40'	Solid	5030B	
720-3296-2	B-2@45'	Solid	5030B	
720-3296-11	S-7@45'	Solid	5030B	
Analysis Batch:720-8228				
LCS 720-8228/8	Lab Control Spike	Solid	8260B	
LCSD 720-8228/7	Lab Control Spike Duplicate	Solid	8260B	
MB 720-8228/9	Method Blank	Solid	8260B	
720-3296-6	B-1@60'	Solid	8260B	
720-3296-9	B-3@65'	Solid	8260B	
720-3296-9MS	Matrix Spike	Solid	8260B	
720-3296-9MSD	Matrix Spike Duplicate	Solid	8260B	
Analysis Batch:720-8338				
LCS 720-8338/19	Lab Control Spike	Solid	8260B	
LCSD 720-8338/18	Lab Control Spike Duplicate	Solid	8260B	
MB 720-8338/20	Method Blank	Solid	8260B	
720-3296-8	B-3@40'	Solid	8260B	
Analysis Batch:720-8383				
LCS 720-8383/5	Lab Control Spike	Solid	8260B	
LCSD 720-8383/4	Lab Control Spike Duplicate	Solid	8260B	
MB 720-8383/6	Method Blank	Solid	8260B	
720-3296-6	B-1@60'	Solid	8260B	
720-3296-9	B-3@65'	Solid	8260B	
Prep Batch: 720-8421				
720-3296-5	B-1@45'	Solid	5030B	
Analysis Batch:720-8178				
LCSD 720-8196/3-A	Lab Control Spike Duplicate	Solid	8260B	720-8196
720-3296-1	B-2@40'	Solid	8260B	720-8196
720-3296-2	B-2@45'	Solid	8260B	720-8196
720-3296-11	S-7@45'	Solid	8260B	720-8196

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Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS VOA				
Analysis Batch:720-8484				
720-3296-5	B-1@45'	Solid	8260B	720-8421

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Method Blank - Batch: 720-8187

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8187/10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/25/2006 1301
Date Prepared: 04/25/2006 1301

Analysis Batch: 720-8187
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: c:\saturaws\data\200604\04
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethanol	ND		0.50
Ethylbenzene	ND		0.0050
MTBE	ND		0.0050
TAME	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
TBA	ND		0.010
DIPE	ND		0.0050
Gasoline Range Organics (GRO)-C6-C12	ND		0.25
Ethyl tert-butyl ether	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
Toluene-d8	97	70 - 130	
1,2-Dichloroethane-d4	98	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8187**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8187/9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/25/2006 1208
Date Prepared: 04/25/2006 1208

Analysis Batch: 720-8187
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200604\042
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8187/8
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/25/2006 1235
Date Prepared: 04/25/2006 1235

Analysis Batch: 720-8187
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200604\042
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	78	79	69 - 129	1	20		
MTBE	85	92	65 - 165	8	20		
Toluene	91	93	70 - 130	2	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	94		93		70 - 130		
1,2-Dichloroethane-d4	91		93		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8187**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-3296-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/25/2006 1401
Date Prepared: 04/25/2006 1401

Analysis Batch: 720-8187
Prep Batch: N/A

Instrument ID: Saturn 2100
Lab File ID: c:\saturday\data\200604\04
Initial Weight/Volume: 5.07 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-3296-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/25/2006 1427
Date Prepared: 04/25/2006 1427

Analysis Batch: 720-8187
Prep Batch: N/A

Instrument ID: Saturn 2100
Lab File ID: c:\saturday\data\200604\04
Initial Weight/Volume: 5.09 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	78	80	69 - 129	2	20		
MTBE	87	94	65 - 165	8	20		
Toluene	95	94	70 - 130	2	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8	95		89		70 - 130		
1,2-Dichloroethane-d4	88		89		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Method Blank - Batch: 720-8228

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8228/9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1540
Date Prepared: 04/26/2006 1540

Analysis Batch: 720-8228
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200604\04
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethanol	ND		0.50
Ethylbenzene	ND		0.0050
MTBE	ND		0.0050
TAME	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
TBA	ND		0.010
DIPE	ND		0.0050
Gasoline Range Organics (GRO)-C6-C12	ND		0.25
Ethyl tert-butyl ether	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
Toluene-d8	96	70 - 130	
1,2-Dichloroethane-d4	100	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8228**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8228/8
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1447
Date Prepared: 04/26/2006 1447

Analysis Batch: 720-8228
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200604\042
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8228/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1513
Date Prepared: 04/26/2006 1513

Analysis Batch: 720-8228
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200604\042
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	77	86	69 - 129	10	20		
MTBE	92	95	65 - 165	3	20		
Toluene	90	94	70 - 130	4	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	93		87		70 - 130		
1,2-Dichloroethane-d4	89		93		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-8228**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-3296-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1920
Date Prepared: 04/26/2006 1920

Analysis Batch: 720-8228
Prep Batch: N/A

Instrument ID: Saturn 2100
Lab File ID: c:\saturmws\data\200604\04
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-3296-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/26/2006 1946
Date Prepared: 04/26/2006 1946

Analysis Batch: 720-8228
Prep Batch: N/A

Instrument ID: Saturn 2100
Lab File ID: c:\saturmws\data\200604\04
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	81	92	69 - 129	12	20		
MTBE	108	117	65 - 165	7	20		
Toluene	92	100	70 - 130	9	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8	92		95		70 - 130		
1,2-Dichloroethane-d4	86		94		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Method Blank - Batch: 720-8338

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8338/20
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/27/2006 1040
Date Prepared: 04/27/2006 1040

Analysis Batch: 720-8338
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\04
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethanol	ND		0.50
Ethylbenzene	ND		0.0050
MTBE	ND		0.0050
TAME	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
TBA	ND		0.010
DIPE	ND		0.0050
Gasoline Range Organics (GRO)-C6-C12	ND		0.25
Ethyl tert-butyl ether	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
Toluene-d8	90	70 - 130	
1,2-Dichloroethane-d4	104	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8338**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8338/19
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/27/2006 0936
Date Prepared: 04/27/2006 0936

Analysis Batch: 720-8338
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\042
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8338/18
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/27/2006 0958
Date Prepared: 04/27/2006 0958

Analysis Batch: 720-8338
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200604\042
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	99	96	69 - 129	3	20		
MTBE	88	97	65 - 165	10	20		
Toluene	93	85	70 - 130	9	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	97		85		70 - 130		
1,2-Dichloroethane-d4	95		100		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Method Blank - Batch: 720-8383

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-8383/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2006 1030
Date Prepared: 05/01/2006 1030

Analysis Batch: 720-8383
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200605\05
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Ethanol	ND		0.50
Ethylbenzene	ND		0.0050
MTBE	ND		0.0050
TAME	ND		0.0050
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
TBA	ND		0.010
DIPE	ND		0.0050
Gasoline Range Organics (GRO)-C6-C12	ND		0.25
Ethyl tert-butyl ether	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
Toluene-d8	92	70 - 130	
1,2-Dichloroethane-d4	102	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

**Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-8383**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8383/5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2006 0948
Date Prepared: 05/01/2006 0948

Analysis Batch: 720-8383
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200605\10f
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8383/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2006 1009
Date Prepared: 05/01/2006 1009

Analysis Batch: 720-8383
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200605\05C
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	95	88	69 - 129	7	20		
MTBE	98	97	65 - 165	2	20		
Toluene	94	94	70 - 130	0	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	92		93		70 - 130		
1,2-Dichloroethane-d4	102		101		60 - 140		

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL-San Francisco

1220 Quarry Lane
Pleasanton, CA 94566

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

ConocoPhillips Chain Of Custody Record

40581

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

720-3296

CONOCOPHILLIPS
Attn: Dee Hutchinson
611 South Harbor, Suite 200
Santa Ana, CA. 92704

ConocoPhillips Work Order Number

1237DEL003

ConocoPhillips Cost Object

WNO1237.E01.R

DATE: 4/21/06

PAGE: 1 of 2

SAMPLING COMPANY: Delta Environmental		Valid Value ID:	CONOCOPHILLIPS SITE NUMBER 4186		GLOBAL ID NO.: T0600101777
ADDRESS: 3164 Gold Camp Drive, Suite 200 Rancho Cordova, CA 95670			SITE ADDRESS (Street and City): 1771 First Street, Livermore, CA		CONOCOPHILLIPS SITE MANAGER: Shelby Lathrop
PROJECT CONTACT (Hardcopy or PDF Report to): Daniel J. Davis			EOF DELIVERABLE TO (RP or Designee): bwright@dellaenv.com	PHONE NO.:	E-MAIL: LAB USE ONLY
TELEPHONE: 916-503-1275	FAX: 916-638-8385	E-MAIL: ddavis@dellaenv.com			

SAMPLER NAME(S) (Print): Ben Wright	CONSULTANT PROJECT NUMBER C104186031	REQUESTED ANALYSES			
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TURNAROUND TIME (CALENDAR DAYS): <input checked="" type="checkbox"/> 14 DAYS <input type="checkbox"/> 7 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS						FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED <input checked="" type="checkbox"/>						

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.	8015M - TPH-D Extractable	8260B - TPH-G/ BTEX/ MTBE/ DIPE/ ETBA/ TAME/ ethanol	8260B - TPH-G/ BTEX/ MTBE	8260B - TPH-G/ BTEX/ 8 Oxygenates	8260B - TPH-G/ BTEX/ 8 Oxygenates + methanol (8015M)	8270C - Semi-Volatiles	8015M / 8021B - TPH-G/ BTEX/ MTBE	6010 - Lead <input type="checkbox"/> Total <input type="checkbox"/> STCLP	TEMPERATURE ON RECEIPT C°
		DATE	TIME											
	B-2/B-2 @ 40'	4/19/06	1305	Soil	1	X								
	B-2/B-2 @ 45'	4/19/06	1320	Soil	1	X								
	B-2/B-2 @ 60'	4/19/06	1400	Soil	1	X								
	B-1/B-1 @ 40'	4/21/06	0950	Soil	1	X								
	B-1/B-1 @ 45'	4/21/06	0950	Soil	1	X								
	B-1/B-1 @ 60'	4/21/06	1020	Soil	1	X								
	B-3/B-3 @ 35'	4/21/06	1500	Soil	1	X								
	B-3/B-3 @ 40'	4/21/06	1540	Soil	1	X								
	B-3/B-3 @ 65'	4/21/06	1645	Soil	1	X								

Relinquished by (Signature): <i>Ben Wright</i>	Received by (Signature): <i>Dee Hutchinson</i>	Date: 4/21/07	Time: 1807
Relinquished by (Signature):	Received by (Signature):	Date:	Time:
Relinquished by (Signature):	Received by (Signature):	Date:	Time:

ConocoPhillips Chain Of Custody Record

4058 /

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Site Manager: INVOICE REMITTANCE ADDRESS: <div style="font-size: 2em; font-weight: bold; text-align: center; margin-top: 10px;">720-3296</div> CONOCOPHILLIPS Attn: Dee Hutchinson 36 South Harbor, Suite 200 South San Francisco, CA. 92704	ConocoPhillips Work Order Number <div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">1237DEL003</div> ConocoPhillips Cost Object WNO1237.E01.R DATE: <u>4/21/06</u> PAGE: <u>2</u> of <u>2</u>
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SAMPLING COMPANY: Delta Environmental	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER 4186	GLOBAL ID NO.: T0600101777
ADDRESS: 3164 Gold Camp Drive, Suite 200 Rancho Cordova, CA 95670		CONOCOPHILLIPS SITE ADDRESS (Street and City): 1771 First Street, Livermore, CA	
PROJECT CONTACT (Hardcopy or PDF Report to): Daniel J. Davis		CONOCOPHILLIPS SITE MANAGER: Shelby Lathrop	
TELEPHONE: 916-503-1275	FAX: 916-638-8385	E-MAIL: ddavis@dellaenv.com	EDI DELIVERABLE TO (RP or Designee): bwright@dellaenv.com
SAMPLER NAME(S) (Print): Ben Wright		CONSULTANT PROJECT NUMBER: C104186031	

TURNAROUND TIME (CALENDAR DAYS): <input checked="" type="checkbox"/> 14 DAYS <input type="checkbox"/> 7 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS	REQUESTED ANALYSES
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SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED <input checked="" type="checkbox"/>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 10%;">8015M - TPH-D Extractable</td> <td style="width: 10%;">8260B - TPHPH/ BTEX/ MTBE/ DIPE/ ETBA/ TAME/ ethanol</td> <td style="width: 10%;">8260B - TPHPH/ BTEX/ MTBE</td> <td style="width: 10%;">8260B - TPH-G/ BTEX/ 8 Oxygenates</td> <td style="width: 10%;">8260B - TPH-G/ BTEX/ 8 Oxygenates + methanol (8015M)</td> <td style="width: 10%;">8270C - Semi-Volatiles</td> <td style="width: 10%;">8015M/ 8021B - TPH-G/ BTEX/ MTBE</td> <td style="width: 10%;">6010 - Lead <input type="checkbox"/> Total <input type="checkbox"/> DTCLP</td> </tr> </table>	8015M - TPH-D Extractable	8260B - TPHPH/ BTEX/ MTBE/ DIPE/ ETBA/ TAME/ ethanol	8260B - TPHPH/ BTEX/ MTBE	8260B - TPH-G/ BTEX/ 8 Oxygenates	8260B - TPH-G/ BTEX/ 8 Oxygenates + methanol (8015M)	8270C - Semi-Volatiles	8015M/ 8021B - TPH-G/ BTEX/ MTBE	6010 - Lead <input type="checkbox"/> Total <input type="checkbox"/> DTCLP	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
8015M - TPH-D Extractable	8260B - TPHPH/ BTEX/ MTBE/ DIPE/ ETBA/ TAME/ ethanol	8260B - TPHPH/ BTEX/ MTBE	8260B - TPH-G/ BTEX/ 8 Oxygenates	8260B - TPH-G/ BTEX/ 8 Oxygenates + methanol (8015M)	8270C - Semi-Volatiles	8015M/ 8021B - TPH-G/ BTEX/ MTBE	6010 - Lead <input type="checkbox"/> Total <input type="checkbox"/> DTCLP			

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO OF CONT.	ANALYSES								TEMPERATURE ON RECEIPT C°		
		DATE	TIME			8015M - TPH-D Extractable	8260B - TPHPH/ BTEX/ MTBE/ DIPE/ ETBA/ TAME/ ethanol	8260B - TPHPH/ BTEX/ MTBE	8260B - TPH-G/ BTEX/ 8 Oxygenates	8260B - TPH-G/ BTEX/ 8 Oxygenates + methanol (8015M)	8270C - Semi-Volatiles	8015M/ 8021B - TPH-G/ BTEX/ MTBE	6010 - Lead <input type="checkbox"/> Total <input type="checkbox"/> DTCLP			
	S-715-7 @ 35'	4/21/06	1035	Soil	1	X										
	S-715-7 @ 45'	4/21/06	1120	Soil	1	X										
	S-715-7 @ 55'	4/21/06	1150	Soil	1	X										

Requisitioned by (Signature): <i>Sam Wright</i>	Received by (Signature): <i>Dee Hutchinson</i>	Date: <u>4/21/06</u>	Time: <u>1807</u>
Requisitioned by (Signature):	Received by (Signature):	Date:	Time:
Requisitioned by (Signature):	Received by (Signature):	Date:	Time:

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Delta Environmental Consultants, Inc.

Job Number: 720-3296-1

Login Number: 3296

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	