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Alameda County
Environmental Health

June 7, 2010
Delta Project No. SCA421211D
SAP No. 135782

Mr. Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: 2010 Air Sparge Pilot Test Report
Shell-Branded Service Station
4212 (*aka* 4226) First Street
Pleasanton, California

DELTA

Dear Mr. Wickham:

On behalf of Shell Oil Products US (Shell), Delta Consultants (Delta) is submitting this *2010 Air Sparge Pilot Test Report* for the site referenced above (Figure 1). A remediation system installation is planned in response to a letter from the Alameda County Health Care Services Agency (ACHCS) to Shell dated August 7, 2009 (Appendix A). In that letter, ACHCS approved the previously submitted recommendation to install a soil vapor extraction (SVE) and air sparging (AS) system, contingent on completion of a successful AS pilot test. This directive was issued based on the *Interim Remediation Work Plan* submitted by Delta on June 1, 2009; ACHCS has requested Shell install the proposed system in 2010, contingent upon receipt of all building and discharge permits.

This report has been prepared to comply with the California Code of Regulations, Title 23, Division 3, Chapter 16, Article 11. Work was performed under the supervision of a California-registered professional geologist and/or civil engineer.

SITE BACKGROUND

SITE DESCRIPTION

The subject site is a Shell-branded service station located at the southern corner of First Street and Vineyard Avenue (Figure 1) in a mixed commercial and residential area of Pleasanton, California. Three 10,000-gallon gasoline underground storage tanks (USTs) and one 550-gallon waste oil UST are located at the site. The site contains two dispenser islands and a service station building with an attached service garage (Figure 2).

a member of: Inogen Environmental Alliance

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PREVIOUS ENVIRONMENTAL ACTIVITIES

Previous environmental activities, regional geology and hydrogeology, sensitive receptors, and site characterization, including hydrocarbon distribution in soil and groundwater, are described in the previously submitted *Dual-Phase Extraction Pilot Test Report* submitted on behalf of Shell by Delta February 12, 2009. Historical boring logs, including logs for the remediation wells installed January 2010, are included as Appendix B. An updated narrative of regional hydrogeology and hydrocarbon distribution in groundwater based on the Fourth Quarter 2009 groundwater monitoring event (conducted on February 5, 2009) is described below; historic groundwater monitoring data, a groundwater elevation contour map, and hydrocarbon map are included as Appendix C.

SITE SPECIFIC GEOLOGY AND HYDROGEOLOGY

Soil to depths of approximately 95 feet below ground surface (bgs) is composed of silt, silty fine sand, or clayey fine sand. Historic geologic cross-sections are provided as Appendix D. The fine-grained soils are classified on boring logs as ML, SM, and SC, respectively, using the Unified Soil Classification System (USCS). The sandy soils typically contain 20 to 40 percent fines that reduce the permeability of the deposits. In the north-northeastern portion of the site, sediments become coarse grained. Borings MW-1, SB-7 and SB-5 encountered coarse-grained sediments between depths of approximately 20 and 55 feet bgs, consisting of clayey sandy gravel (GP), gravelly sand with silt (SP), and clayey gravel (GC). Delta concludes these are the soil layers referenced in the ACHCSA letter dated December 14, 2007, described as having moderate to high anticipated permeability. A thick deposit of silt (ML) was encountered from approximately 55 feet bgs to the top of the lower aquifer at a depth of approximately 100 feet bgs. Boring logs are included as Appendix B and well construction details are provided in Table 1. Depth to groundwater in shallow monitoring wells is approximately 30 to 34 feet bgs.

During the most recent quarterly monitoring and sampling event conducted on February 11, 2010, groundwater was measured from onsite groundwater monitoring wells MW-1 through MW-4 at depths ranging from 31.21 feet bgs (well MW-4) to 34.06 feet bgs (well MW-1) in shallow aquifer wells, and 90.72 feet bgs (well MW-1B) in the deeper aquifer. The groundwater flow direction beneath the site in the shallower zone was toward the northeast with a hydraulic gradient of approximately 0.06 feet per foot. Appendix C provides a First Quarter 2010 groundwater elevation contour map and a hydrocarbon concentration in groundwater map.

HYDROCARBON DISTRIBUTION IN GROUNDWATER

The maximum concentrations for fuel hydrocarbons and oxygenates from the First Quarter 2010 groundwater monitoring event were reported in well MW-4, with a concentration of total petroleum hydrocarbons as gasoline (TPH-g) of 11,000 micrograms per liter (µg/L), benzene at 95 µg/L, methyl tert-butyl ether (MTBE) at 7,500 µg/L, and tert-butyl alcohol (TBA) at 3,200 µg/L. Toluene, ethylbenzene, and total xylenes were not detected above the reporting limit in groundwater samples collected. Di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and tert-amyl methyl ether (TAME) were not analyzed in groundwater samples collected.

The dissolved-phase hydrocarbon plume stretches across the site. The highest concentrations have generally been detected in wells MW-1, MW-2, and MW-4.

Historical groundwater analytical data is provided in Appendix C, along with a map showing the distribution of hydrocarbons in groundwater.

HYDROCARBON DISTRIBUTION IN SOIL

Soil borings advanced within the underground storage tank (UST) complex in 1985 report concentrations primarily from boring S-B, with a maximum TPH-g concentration of 1,300 milligrams per kilogram (mg/kg) at 15 feet bgs; no benzene was detected in the soil samples. During removal of the four gasoline USTs in 1986, the maximum TPH-g detected in soil samples was 240 mg/kg. Three 10,000-gallon double-walled fiberglass tanks were installed at a location closer to the dispenser islands. Three borings advanced to between 30 and 50 feet bgs in the former UST complex in 1990 reported TPH-g concentrations of 380 and 290 mg/kg at samples taken from 30 and 35 feet bgs, respectively. A third boring in the vicinity reported 820 mg/kg TPH-g at 35 feet bgs. During dispenser and piping replacement activities in 1995, soil samples collected from beneath the removed product piping and dispensers and approximately 20 cubic yards of soil were over-excavated to a maximum depth of 8.5 feet bgs at the direction of the Pleasanton Fire Department. A maximum remaining concentration of 120 mg/kg TPH-g was reported in soil samples collected at the over-excavated southern-most former product dispenser location. During a facility upgrade in 1998, no indications of petroleum hydrocarbons were observed during removal of the waste oil tank remote fill piping.

In 1999, two borings were advanced to depths of 58 and 100 feet bgs, respectively (SB-6 and SB-7), with SB-6 converted to monitoring well MW-1. The only detection of TPH-g was 83 mg/kg in sample SB-7 at 40 feet bgs. Two additional borings advanced in 2000 and converted to monitoring wells MW-2 and MW-3 reported no hydrocarbons or oxygenates. In 2005, it was determined that a liquid had likely been poured into a second port on the waste oil tank which goes directly into the pea gravel surrounding the tank. An Unauthorized Release Report (URR) was submitted. Upon further investigation, high concentrations (10,000 mg/kg TPH as oil and grease) were found in the pea gravel, but in a boring (WO-1) adjacent to the waste oil UST reported no waste oil outside of the backfill. Two additional onsite monitoring wells (MW-1B and MW-4) were installed in 2006. Petroleum hydrocarbons and fuel oxygenates were only reported in the boring for MW-4, with a maximum concentration of 380 mg/kg TPH-g at 36.5 feet bgs and 0.59 mg/kg MTBE at 44.5 feet bgs. Historical soil maps and data are included as Appendix D.

In accordance with the June 1, 2009 Interim Remediation Action Plan, four soil vapor extraction wells (SVE-1 through SVE-4), a test air sparge well (AS-10) and an observation well (OBS-1) were installed in January 2010. Soil samples from wells SVE-1, OBS-1 and AS-10 were submitted for laboratory analysis. TPH-g was detected in borings AS-10 between 35 and 50 feet bgs and OBS-1 at 35 feet bgs with a maximum concentration of 350 mg/kg (OBS-1 at 35 feet bgs). Benzene was not reported in any samples; a maximum concentration of 0.62 mg/kg MTBE was reported at AS-10 at 45 feet bgs. Complete soil analytical results are included in Table 2, and the certified analytical reports with chain-of-custody documentation are provided as Appendix E.

AS PILOT TESTING

The primary objective of the air sparge (AS) pilot test was to evaluate the effectiveness of air injection as a remedial addition to SVE at this site prior to installing a full scale remediation treatment system. The purpose of AS pilot test was to determine radius of influence (ROI) for sparging in the saturated zone, and the effectiveness of delivering oxygen to the geologic formation below the test location via injection/sparging. Figure 2 provides a site map showing proposed and completed remediation well locations.

AS PILOT TEST DESCRIPTION

Before initiating the AS feasibility test, groundwater samples were collected from onsite wells and observation wells. Samples were analyzed for TPH-g, benzene, toluene, ethylbenzene and total xylenes (BTEX compounds), fuel oxygenates, and ethanol by EPA Method 8260. Groundwater analytical results from the air sparge test are included in Table 3. In addition, field measurements of initial depth to static groundwater level (DTW) were collected from monitoring Well MW-1, MW-4, and OBS-1. Pressure observations were collected from wells OBS-1, SVE-3, SVE-4, MW-1B, and MW-4.

Prior to initiating the AS test, a pressure transducer connected to data logger was installed in well OBS-1; the transducer was programmed to collect data every 30 seconds.

Delta personnel observed the pilot test continuously to ensure proper operation. The following parameters were monitored (in addition to the baseline parameters and samples mentioned above):

- Applied air pressures and flow rates on the test well at the injection well head (every 15 minutes).
- Pressure readings on capped observation wells OBS-1, SVE-3, SVE-4, MW-1B, and MW-4 were recorded every 15 minutes.
- Pressure and temperature measurements were automatically recorded by the pressure transducers/data loggers every 30 seconds in Well OBS-1.

Wells OBS-1, MW-1B and MW-4 are located approximately 31 feet, 25 feet, and 8 feet, respectively, from well AS-10. Soil vapor extraction wells SVE-3 and SVE-4 are each located at a distance of approximately 21 feet from well AS 10.

AS PILOT TEST

The pilot test was conducted on January 26, 2010; Well AS-10 was the injection well. Once baseline parameters were identified, Well AS-10 was connected by aboveground PVC piping to a distribution manifold that was connected to an electrically-powered air compressor. An initial step test resulted in the following results:

- For the first 120 minutes of the test, approximately seventeen (17) pounds per square inch (psi) of air at a flow rate of approximately 7 cubic feet per minute (cfm) to injection Well AS-10.
- For the next 120 minutes of the test, approximately twenty (20) psi of air at a flow rate of approximately 10 cfm to injection Well AS-10;

Air sparging occurred in injection well AS-10 for a total of 240 minutes. Well pressure and flow rates are documented in Table 4 and on Graph 1. The down-hole transducer was installed in well OBS-1, and measured water level and temperature readings every 30 seconds. Groundwater elevation changes at observation well OBS-1 are presented on Graph 2 and temperature fluctuations are included on Graph 3.

During the pilot test, pressure in observation well MW-4 (approximately 8 feet from the injection point) rose to approximately 150 inches of water and the cap popped off (at 1:45 pm); the cap was left off well MW-4 for the remainder of the test. Three hours into the test, pressure influence was observed in the five observation wells, with the greatest influence observed in well MW-4; it was determined that the test had adequately demonstrated an effective radius of influence and the test was terminated in advance of the planned 12 hour duration. Observed pressure at each of the observation wells for the duration of the pilot test is reported in

Table 5.

Following completion of the test, groundwater samples were again collected from observation wells MW-1B, OBS-1, and MW-4 for laboratory analysis of TPH-g, BTEX compounds, fuel oxygenates, and ethanol by EPA Method 8260. All groundwater samples for analysis were collected without purging. Pre- and post-sample analytical results are included in Table 3. The certified analytical report with chain-of-custody documentation is included as Appendix E. Field data sheets are provided as Appendix F and tabulated results downloaded from the transducer in well OBS-1 are included as Appendix G.

AS PILOT TEST FINDINGS

Following are the principal findings from the air sparge pilot test conducted on January 26, 2010 using well AS-10 as the injection point:

- Based on pressure transducer measurements in well OBS-1, mounding occurred upon sparging in well AS-10. The groundwater level in well OBS-1 rose to a maximum of 0.04 feet after 36 minutes of sparging at 7 cfm, corresponding to the injection of 252 cubic feet of air. At a flow rate of 10 cfm, the maximum observed mound was a rise of 0.06 feet above baseline (after 11 minutes), corresponding to an injection of 110 cubic feet of air. This indicates the most effective process control conditions for sparging would be an approximate 15-minute long pulse with injection rates at approximately 10 cfm. Given the lag times for water column re-equilibration, these pulses could be spaced out by two hours per injection location. Results are presented in Graph 2 and Appendix G.
- ROI was determined to be at least 31 feet based on observed mounding in observation well OBS-1 (31 feet away from well AS-10). See Graph 2. Though depth to water measurements were not taken from observation well MW-4 (located approximately 7 feet from well AS-10), significant mounding is assumed based on the observed pressure measured at greater than 150 inches of water during the pilot test (Table 5).
- Groundwater samples were collected without purging from monitoring wells MW-1B, OBS-1, and MW-4 for laboratory analysis pre- and post-test. In general, petroleum hydrocarbon and fuel oxygenate concentrations in groundwater samples collected from wells MW-4 and OBS-1 increased as a result of the pilot test; no detectable concentration were noted in well MW-1B. These results indicate air sparging influence in the saturated zone. Dissolved oxygen and oxidation reduction potential were not taken during this sparge test. Analytical results can be found in Table 3.
- The temperatures in observation well OBS-1 rose from a baseline of 12 degrees Celsius to 22 degrees Celsius, providing evidence of air distribution within the saturated zone.

CONCLUSIONS AND RECOMMENDATIONS

- Various air flow rates (7 cfm and 10 cfm) delivered fracture pressure below the aquifer, coupled with evidence of mounding in nearby observation wells, demonstrate that effective air distribution is feasible. Based on a review of historical groundwater analytical data and results of the AS pilot test, Delta recommends moving forward with the proposed AS well installations. In addition, a modified site plan showing an additional SVE well is included on Figure 3.

LIMITATIONS

The recommendations contained in this document represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This document 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 document were performed. This document is intended only for the use of Delta's Client and anyone else specifically listed on this document. 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 document.

Should you have any questions or need any further assistance, please contact Suzanne McClurkin-Nelson (Delta) at (408) 826-1875 or Dennis Brown (Shell Project Manager) at (707) 865-0251.

Sincerely,
Delta Consultants

Matt Lambert
Senior Staff Scientist

Suzanne McClurkin-Nelson
Senior Project Manager

William Lantz, P.E. C63515
Senior Engineering Specialist

REGISTERED PROFESSIONAL ENGINEER * WILLIAM L. LANTZ * C 63515 EXP. 1/30/10 CIVIL * STATE OF CALIFORNIA *

cc: Denis Brown, Shell Oil Products US, Carson (via electronic)
Cristin Bruce, Shell Global Solutions (US), Inc (via electronic)
Danielle Stefani, Livermore-Pleasanton Fire Department
Cheryl Dizon, Zone 7 Water Agency

APPENDICES:

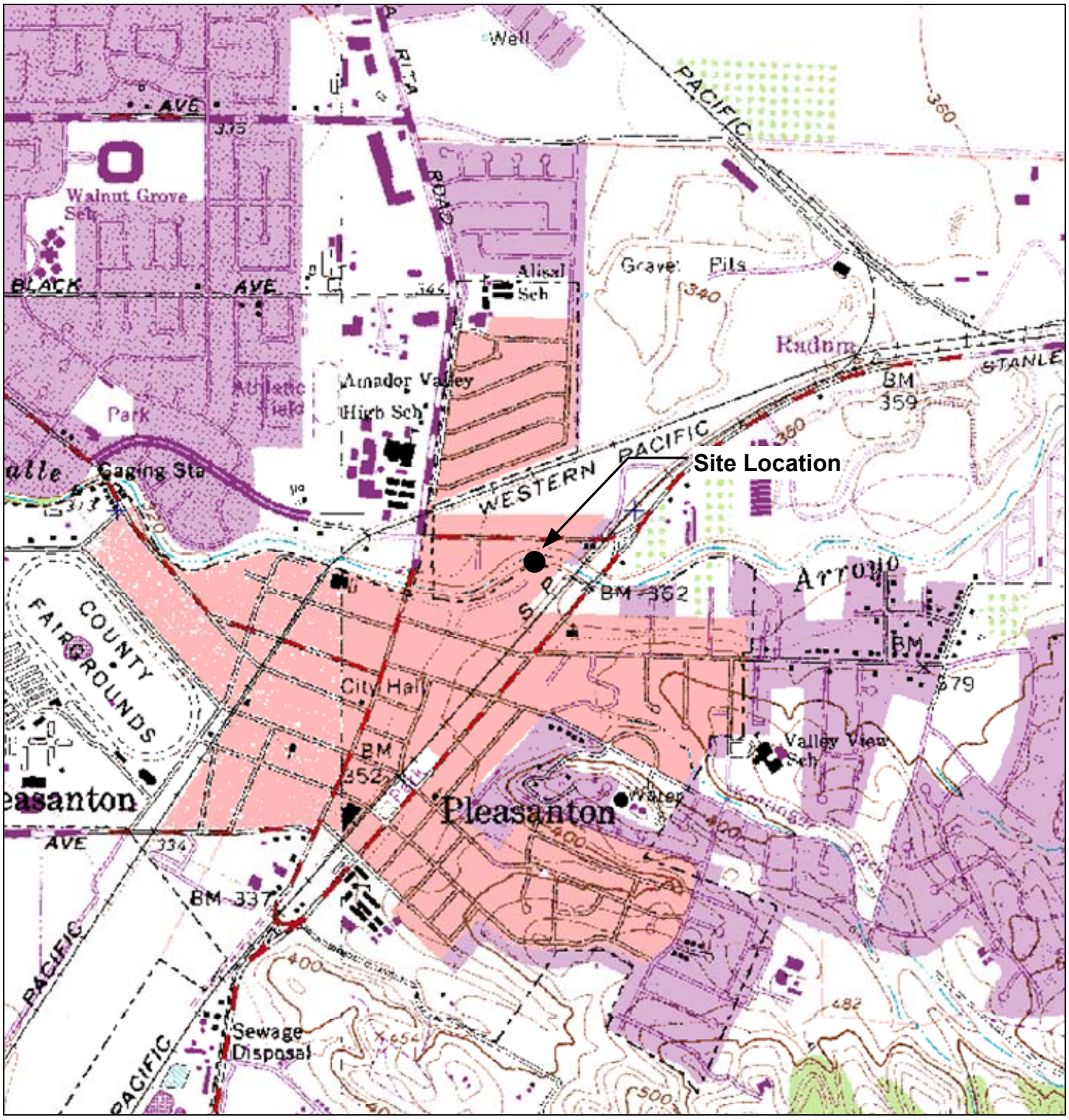
FIGURES:

TABLES:

GRAPHS:

APPENDICES:

FIGURES



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

North

QUADRANGLE LOCATION

0 1,300 2,600
Scale, Feet

FIGURE 1
SITE LOCATION MAP

SHELL-BRANDED SERVICE STATION
4226 First Street
Pleasanton, California

PROJECT NO. SCA421211	DRAWN BY V. F. 5/5/05
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY

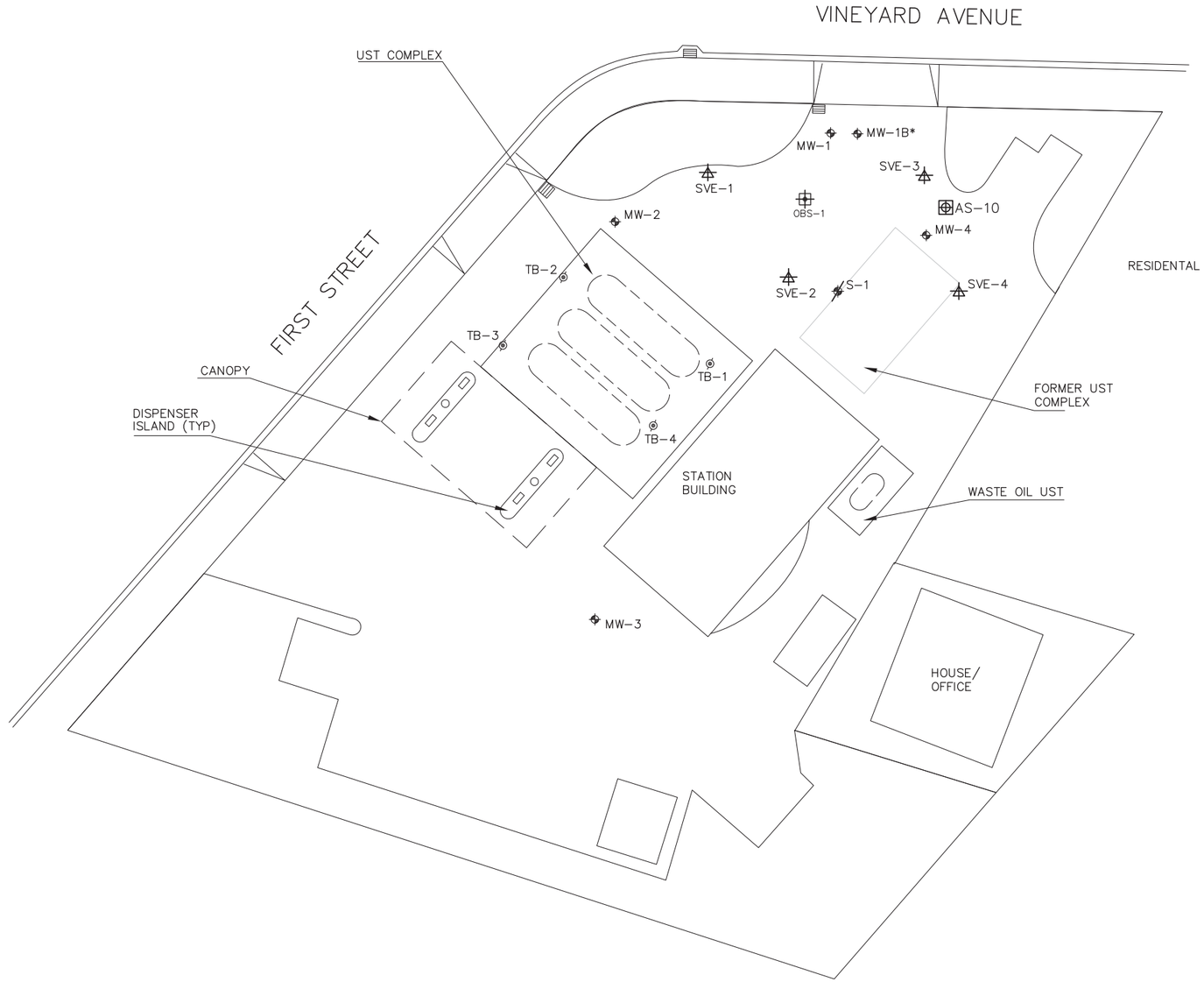
DELTA

PROJECT NUMBER SCA421211A

APPROVED BY

CHECKED BY

DRAWN BY A.D 5/28/2010



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W E

S

LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
S-1	DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
TB-1	ABANDONED TANK BACKFILL WELL LOCATION
SVE-1	SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
AS-1	AIR SPARGE WELL LOCATION AND DESIGNATION
OBS-1	OBSERVATION WELL LOCATION AND DESIGNATION

0 15 30

SCALE IN FEET

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SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 2

SITE MAP
SHOWING REMEDIATION WELL LOCATIONS

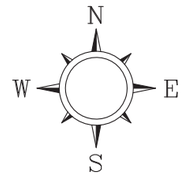
4212 FIRST STREET
PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA421211A

APPROVED BY

CHECKED BY

DRAWN BY A.D 5/28/2010



LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
S-1	DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
TB-1	ABANDONED TANK BACKFILL WELL LOCATION
SVE-1	SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
AS-1	AIR SPARGE WELL LOCATION AND DESIGNATION
OBS-1	OBSERVATION WELL LOCATION AND DESIGNATION
SVE-5	PROPOSED SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
AS-10	AIR SPARGE WELL LOCATION AND DESIGNATION
AS-2	PROPOSED AIR SPARGE WELL LOCATION AND DESIGNATION

0 15 30
SCALE IN FEET

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SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 3

PROPOSED ADDITIONAL
REMEDIATION WELL LOCATIONS

4212 FIRST STREET
PLEASANTON, CALIFORNIA

TABLES

TABLE 1
WELL CONSTRUCTION DETAILS
Shell-Branded Service Station
4212 (*aka* 4226) First Street
Pleasanton, California

Well ID	Purpose	Depth	Screened Interval	Boring Diameter	Casing Diameter
MW-1	Monitoring	57.5'	37.5'-57.5'	8"	2"
MW-1B	Monitoring	108'	100'-108'	12"	4"
MW-2	Monitoring	46'	26'-46"	8"	4"
MW-3	Monitoring	57.5'	20'-35'	8"	4"
MW-4	Monitoring	47'	37'-47'	12"	4"
SVE-1	Soil Vapor Extraction	30'	20'-30'	10"	4"
SVE-2	Soil Vapor Extraction	30'	20'-30'	10"	4"
SVE-3	Soil Vapor Extraction	30'	20'-30'	10"	4"
SVE-4	Soil Vapor Extraction	30'	20'-30'	10"	4"
AS-10	Air Sparge	52'	45'-47'	8"	2"
OBS-1	Observation	47'	22'-47'	10"	4"

TABLE 2
SOIL ANALYTICAL DATA
Shell-Branded Service Station
4212 (*aka* 4226) First Street
Pleasanton, California

Sample Location	Sample Name	Sample Depth (feet)	Sample Date	Fuel Components				
				TPH-g (mg/kg)	Benzene (mg/kg)	Ethylbenzene (mg/kg)	Toluene (mg/kg)	Xylenes (mg/kg)
				EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
AS-10	AS-10@30'	30	01/14/10	ND< 0.5	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
AS-10	AS-10@35'	35	01/14/10	140	ND< 0.5	0.5	ND< 0.5	0.9
AS-10	AS-10@40'	40	01/14/10	ND< 50	ND< 0.5	ND< 0.5	ND< 0.5	ND< 0.5
AS-10	AS-10@45'	45	01/14/10	0.9	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
AS-10	AS-10@50'	50	01/14/10	1.4	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
OBS-1	OBS-1@30'	30	01/13/10	ND< 0.5	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
OBS-1	OBS-1@35'	35	01/13/10	350	ND< 1	ND< 1	ND< 1	ND< 1
OBS-1	OBS-1@40'	40	01/13/10	ND< 0.5	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
SVE-1	SVE-1@30'	30	01/14/10	ND< 0.5	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005

Sample Location	Sample Name	Sample Depth (feet)	Sample Date	Oxygenates					
				MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
				EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B	EPA 8260B
AS-10	AS-10@30'	30	01/14/10	ND< 0.005	ND< 0.05	ND< 0.01	ND< 0.01	ND< 0.01	ND< 0.5
AS-10	AS-10@35'	35	01/14/10	ND< 0.5	ND< 5	ND< 1	ND< 1	ND< 1	ND< 50
AS-10	AS-10@40'	40	01/14/10	ND< 0.5	ND< 5	ND< 1	ND< 1	ND< 1	ND< 50
AS-10	AS-10@45'	45	01/14/10	0.62	0.19	ND< 0.01	ND< 0.01	ND< 0.01	ND< 0.5
AS-10	AS-10@50'	50	01/14/10	0.36 J	0.14	ND< 0.01	ND< 0.01	ND< 0.01	ND< 0.5
OBS-1	OBS-1@30'	30	01/13/10	ND< 0.005	ND< 0.05	ND< 0.01	ND< 0.01	ND< 0.01	ND< 0.5
OBS-1	OBS-1@35'	35	01/13/10	ND< 1	ND< 10	ND< 2	ND< 2	ND< 2	ND< 100
OBS-1	OBS-1@40'	40	01/13/10	0.0089	ND< 0.05	ND< 0.01	ND< 0.01	ND< 0.01	ND< 0.5
SVE-1	SVE-1@30'	30	01/14/10	ND< 0.005	ND< 0.05	ND< 0.01	ND< 0.01	ND< 0.01	ND< 0.5

Abbreviations:
mg/kg - milligrams per kilogram
ND - Not detected above laboratory detection limits
NA - Not analyzed
TPH-g - Total Petroleum Hydrocarbons as gasoline
TPH-d - Total Petroleum Hydrocarbons as diesel
MTBE - Methyl tert-butyl ether
TBA - Tert-butyl alcohol
DIPE - Di-isopropyl ether
ETBE - Ethyl tert-butyl ether
TAME - Tert-amyl methyl ether

Data Qualifiers and Definitions:
J - Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
AS-10d40 Benzene -The reporting limit is elevated resulting from matrix interference.
AS-10d40 Ethylbenzene -The reporting limit is elevated resulting from matrix interference.
AS-10d40 Toluene -The reporting limit is elevated resulting from matrix interference.
AS-10d40 Xylenes (total) -The reporting limit is elevated resulting from matrix interference.
AS-10d40 Methyl-t-Butyl Ether (MTBE) -The reporting limit is elevated resulting from matrix interference.
AS-10d40 Tert-Butyl Alcohol (TBA) -The reporting limit is elevated resulting from matrix interference.
AS-10d40 Diisopropyl Ether (DIPE) -The reporting limit is elevated resulting from matrix interference.
AS-10d40 Ethyl-t-Butyl Ether (ETBE) -The reporting limit is elevated resulting from matrix interference.
AS-10d40 Tert-Amyl-Methyl Ether (TAME) -The reporting limit is elevated resulting from matrix interference.

TABLE 3
AIR SPARGE PILOT TEST RESULTS - GROUNDWATER ANALYTICAL DATA
Shell-Branded Service Station
4212 (aka 4226) First Street
Pleasanton, California

Sample Identification	Date	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)
MW-1B Pre-test	01/26/10	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
MW-1B Post-test	01/26/10	ND<50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<100
MW-4 Pre-test	01/26/10	8,500	ND<50	ND<100	ND<100	ND<100	8,900	ND<1000	ND<200	ND<200	ND<200	ND<10000
MW-4 Post-test	01/26/10	11,000	ND<12	ND<25	48	71	3,400	1,900	ND<50	ND<50	ND<50	ND<2500
OBS-1 Pre-test	01/26/10	680	ND<1.0	ND<2.0	ND<2.0	ND<2.0	220	200	12	ND<4.0	ND<4.0	ND<200
OBS-1 Post-test	01/26/10	690	0.74	ND<1.0	ND<1.0	ND<1.0	270	190	11	ND<2.0	ND<2.0	ND<100

Abbreviations:
TPH-g - Total petroleum hydrocarbons as gasoline
MTBE - Methyl-tert butyl ether
TBA - Tert-butyl alcohol
DIPE - Di-isopropyl ether
ETBE - Ethyl tert-butyl ether
TAME - Tert-amyl methyl ether
ND< - Not detected at or above the noted laboratory reporting limit
µg/L - Micrograms per liter

TABLE 4
AIR SPARGE PILOT TEST RESULTS - DELIVERY PRESSURES AND FLOW RATES
Shell-Branded Service Station
4212 (aka 4226) First Street
Pleasanton, California

Date	Air Sparge Pilot Test Elapsed Time (minute)	Recorded Time (24hour)	Cummulative Hours of Operation (hours)	AS-10		Comments
				Applied Pressure (psi)	Flow Rate (cfm)	
1/26/2010	0	11:30	0.00	20	0	
1/26/2010	15	11:45	0.25	31	5	
1/26/2010	40	12:10	0.67	17	5	
1/26/2010	45	12:15	0.75	17	6	
1/26/2010	60	12:30	1.00	17	6	
1/26/2010	75	12:45	1.25	17	6.5	
1/26/2010	90	13:00	1.50	17	6.5	
1/26/2010	105	13:15	1.75	17	7	
1/26/2010	120	13:30	2.00	17	7	
			Test Averages	**19**	**6**	
1/26/2010	135	13:45	2.25	20	11	
1/26/2010	150	14:00	2.50	19	10	
1/26/2010	165	14:15	2.75	20	10	
1/26/2010	180	14:30	3.00	20	10	
1/26/2010	195	14:45	3.25	19	10	
			Test Averages	**20**	**10**	

Abbreviations:
psi - pounds per square inch
cfm - standard cubic feet per minute

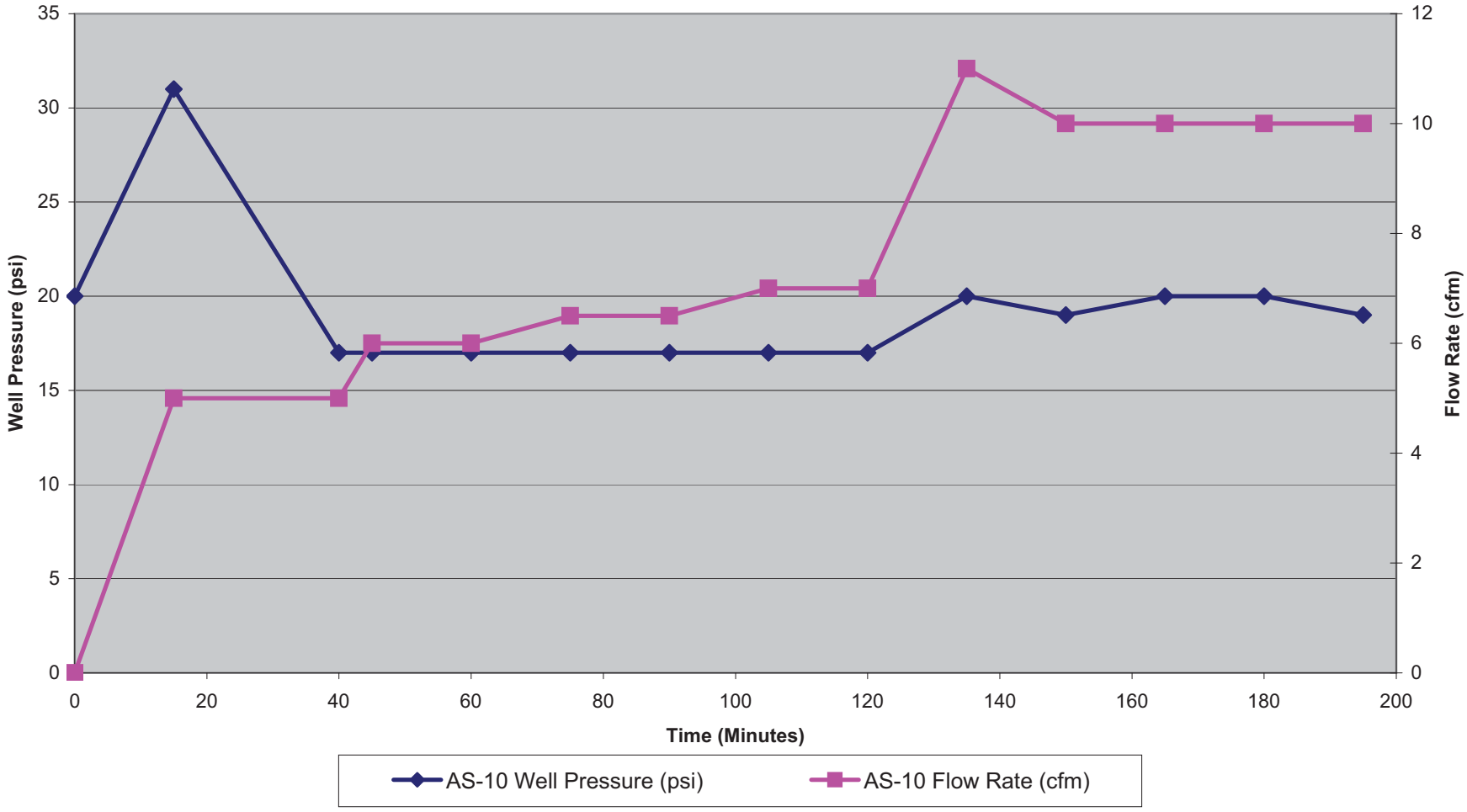
TABLE 5
AIR SPARGE PILOT TEST RESULTS - OBSERVED PRESSURES IN OBSERVATION WELLS
Shell-Branded Service Station
4212 (*aka* 4226) First Street
Pleasanton, California

Time	Pressure (psi)	Flow (cfm)	PRESSURE IN MONITORED WELLS				
			MW-1B (" of H_2O)	MW-4 (" of H_2O)	OBS-1 (" of H_2O)	SVE-3 (" of H_2O)	SVE-4 (" of H_2O)
Initial	20	0	0.4	0.9	0.03	0.04	0
11:45	31	5	--	--	--	--	--
12:10	17	5	0.02	95	0.11	0.14	0.19
12:15	17	6	0.59	150	0.23	0.36	0.40
12:30	17	6	0.56	150+	0.23	0.38	0.40
12:45	17	6.5	0.62	150+	0.28	0.44	0.48
1:00	17	6.5	0.59	150+	0.27	0.44	0.48
1:15	17	7	0.54	150+	0.30	0.45	0.48
1:30	17	7	0.52	150+	0.29	0.46	0.48
1:45	20	11	0.52	NA‡	0.18	0.28	0.24
2:00	19	10	0.58	NA‡	0.22	0.35	0.32
2:15	20	10	0.62	NA‡	0.27	0.43	0.42
2:30	20	10	0.54	NA‡	0.26	0.43	0.46
2:45	19	10	0.44	NA‡	0.28	0.45	0.48

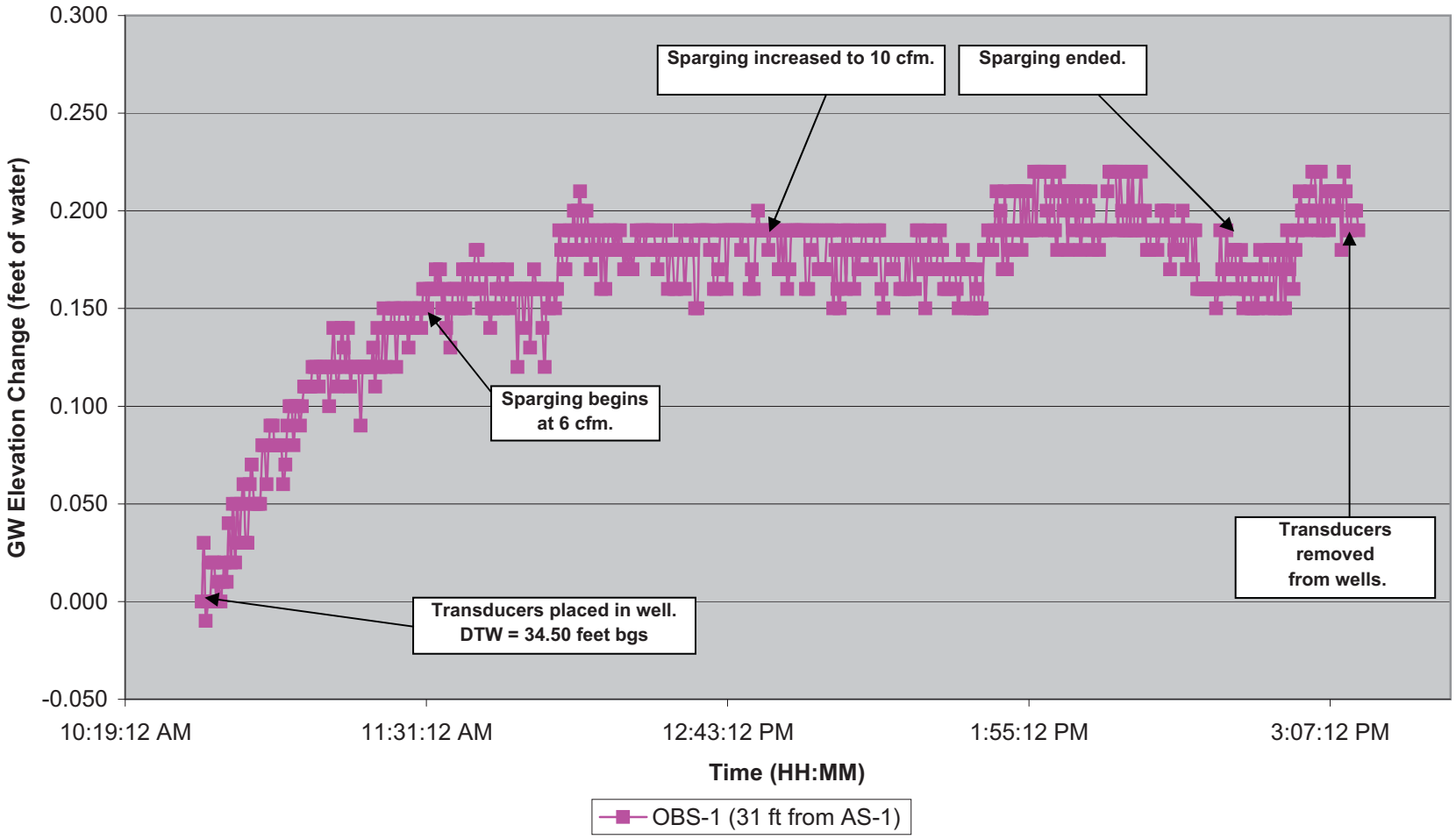
Abbreviations:
psi - pounds per square inch
cfm - standard cubic feet per minute
" of H_20 - Inches of water
NA‡ - Not available: Well MW-4 was removed from test due to high pressure

GRAPHS

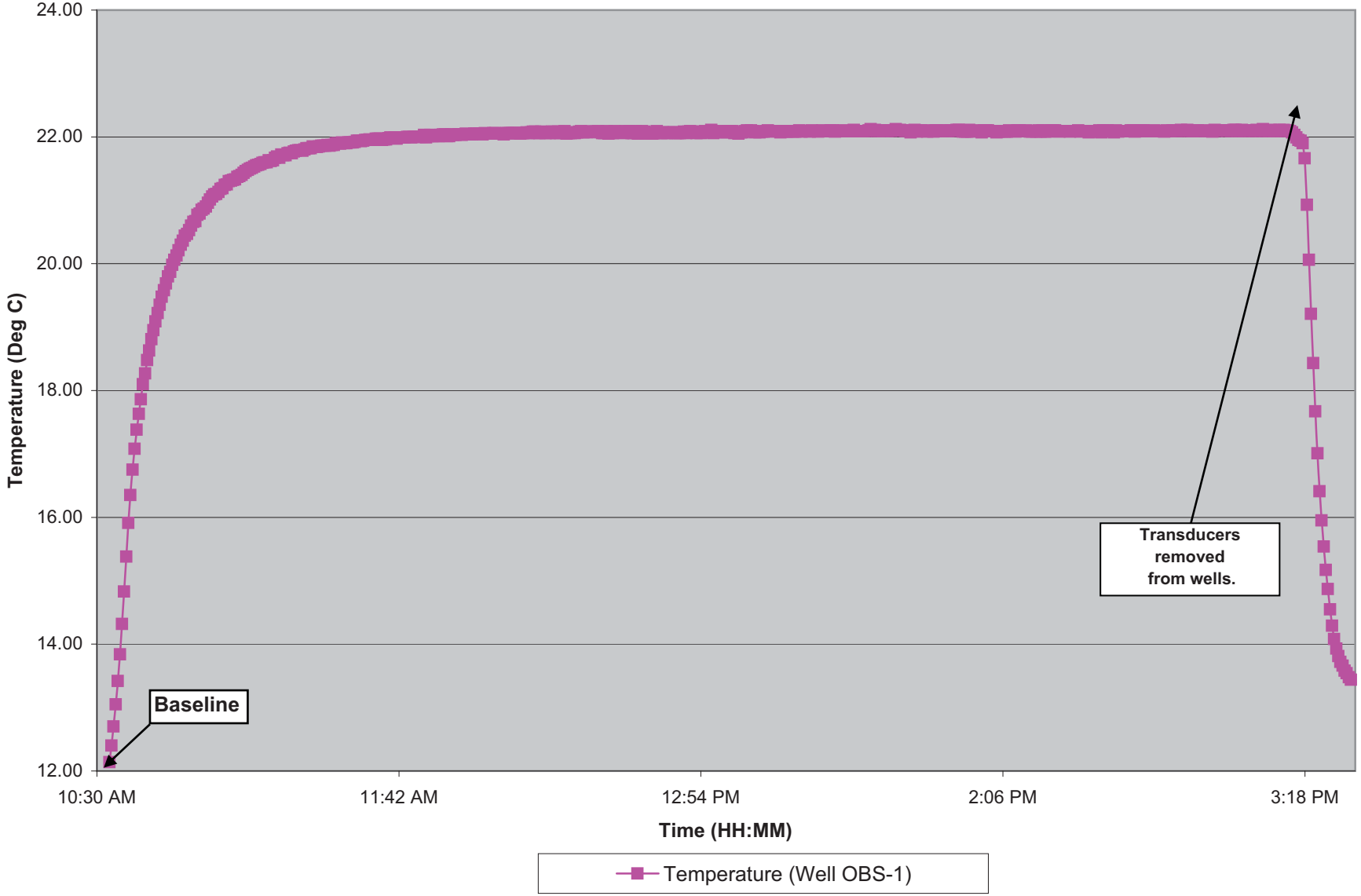
GRAPH 1
AIR SPARGE PILOT TEST
PRESSURE vs. FLOW RATE (WELL AS-10 - 1/26/2010)
Shell-Branded Service Station
4212 (*aka* 4226) First Street, Pleasanton, California



GRAPH 2
AIR SPARGE PILOT TEST
GROUNDWATER ELEVATION vs. OPERATING TIME (Well OBS-1 - 1/26/2010)
Shell-Branded Service Station
4212 (*aka* 4226) First Street, Pleasanton, California



GRAPH 3
AIR SPARGE PILOT TEST
TEMPERATURE vs. OPERATING TIME (Well OBS-1 - 1/26/2010)
Shell-Branded Service Station
4212 (aka 4226) First Street, Pleasanton, California



APPENDIX A
AGENCY CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-93

August 7, 2009

Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Douglas and Mary Safreno
1627 Vineyard Avenue
Pleasanton, CA 94566-6389

Subject: Fuel Leak Case No. RO0000360 and Geotracker Global ID T0600101259, Shell#13-5782, 4226 First Street, Pleasanton, CA 94566 – Work Plan Approval

Dear Mr. Brown and Mr. and Ms. Safreno:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the reports entitled, "*Interim Remediation Work Plan, Shell-branded Service Station, 4212 First Street, Pleasanton, California*," dated June 1, 2009 (Work Plan). The Work Plan was prepared on Shell's behalf by Delta Environmental Consultants, Inc.

The Work Plan proposes installation of a soil vapor extraction and air sparging system including extraction wells, sparging wells, and observation wells for interim remediation to address elevated concentrations of fuel hydrocarbons in soil and groundwater at the site. The proposed scope of work is acceptable and may be implemented as proposed.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **December 14, 2009** – System Installation and Start-up Report
- **45 days following the end of each quarter following system installation and start-up** – Quarterly Remediation Progress and Monitoring Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Cheryl Dizon, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566

Suzanne McClurkin-Nelson, Delta Environmental Consultants, Inc., 312 Piercy Road, San Jose, CA 95138

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	ISSUE DATE: July 5, 2005
	REVISION DATE: March 27, 2009
	PREVIOUS REVISIONS: December 16, 2005, October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection.** (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
         Or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for.**

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape and Firefox browsers will not open the FTP site.
   b) Click on File, then on Login As.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO# use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

Suzanne McClurkin-Nelson

From: Wickham, Jerry, Env. Health [jerry.wickham@acgov.org]
Sent: Friday, December 04, 2009 6:03 PM
To: Suzanne McClurkin-Nelson
Cc: Regina Bussard; denis.l.brown@shell.com; Scott Pearson
Subject: RE: 4226 First St., Pleasanton (aka 4212) (Case No. RO0000360)

Suzanne,

The proposal to extend the schedule for submittal of a System Installation and Startup Report beyond December 14, 2009 and to provide a detailed schedule for proposed system installation no later than December 14, 2009 is acceptable. ACEH may provide additional comments pending review of the detailed schedule.

Regards,

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510-567-6791
jerry.wickham@acgov.org

From: Suzanne McClurkin-Nelson [mailto:SMcClurkin-Nelson@deltaenv.com]
Sent: Wednesday, November 25, 2009 2:12 PM
To: Wickham, Jerry, Env. Health
Cc: Suzanne McClurkin-Nelson; Regina Bussard; denis.l.brown@shell.com; Scott Pearson
Subject: 4226 First St., Pleasanton (aka 4212) (Case No. RO0000360)
Importance: High

Jerry; As we discussed Monday, I have attached a letter proposing a change in the deliverable requested in your letter dated August 7, 2009 as noted below:

- Provide detailed schedule of pre-field and field work for proposed system installation no later than December 14, 2009.
- Provide monthly status reports each month thereafter, beginning 1/15/10, until the system is installed, at which time a proposed date for submittal of a System Installation and Startup Report will be finalized.

Please let me know if this is an acceptable schedule - thanks!

Suzanne McClurkin-Nelson | Senior Project Manager | Global Oil & Gas Business Group
Delta Consultants, an Oranjewoud N.V. Company
Direct +1 408 826 1875 | Mobile +1 408 796 8889 | Alternate +1 408 582 4422
smcclurkin-nelson@deltaenv.com | www.deltaenv.com

APPENDIX B
BORING LOGS

LOG OF EXPLORATORY BORING

PROJECT NUMBER 738-60.01 BORING NO. S-A

PROJECT NAME Gettler-Ryan, Shell, 4226 First St., Pleasanton PAGE 1 OF 1

BY MGB DATE 9/27/85 SURFACE ELEV. 375'±

TORVANE (TSF)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHOGRAPHIC COLUMN	DESCRIPTION
				0			ASPHALT and SAND - Fill
						ML CL	GRAVELLY SILT - Fill; black (5Y, 2.5/2); 20% fine to coarse sand; 10% fine gravel; damp; no product odor.
				5			CLAY; light olive brown (2.5Y, 5/6); silty; 10% fine to medium sand; stiff; damp; no product odor.
	4.4	88			1		
				10			@7': no sand; hard; no product odor.
							@10': 20% fine gravel; no product odor.
	1.5	21		15	2		@14': 15-20% fine to medium sand; trace fine gravel; stiff; moist; no product odor.
	5	61		20	3		@18½': brownish yellow (10YR, 6/8); silty; hard; moist; no product odor.
							BOTTOM OF BORING AT 20 FEET.
				25			
				30			
				35			
				40			

REMARKS Drilled by 5-inch continuous flight auger; samples collected with 2-inch California modified split-spoon sampler; borehole backfilled with soil cuttings to ½ foot; concrete to surface.

EMCON ASSOCIATES

PLATE A

LOG OF EXPLORATORY BORING

PROJECT NUMBER 738-60.01 BORING NO. S-B

PROJECT NAME Gettler-Ryan, Shell, 4226 First St., Pleasanton PAGE 1 OF 1

BY MGB DATE 9/27/85 SURFACE ELEV. 373'±

TORVANE (TSF)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHOGRAPHIC COLUMN	DESCRIPTION
				0			CONCRETE.
						SW	SAND - Fill; very dark gray (5Y, 3/1); fine to coarse grained; trace fine gravel; trace fines; loose; damp; strong gasoline odor.
		Push		5	1		
		2			2		@7': strong gasoline odor.
				10			
		64			3	GC	CLAYEY GRAVEL; olive gray (5Y, 5/2); to olive (5Y, 4/3); fine to coarse grained; 30% fines; 15% fine to coarse sand; very dense; damp; moderate gasoline odor.
	3.6	39		15	4	CL	CLAY; light olive brown (2.5Y, 5/6) to dark grayish brown (2.5Y, 4/2); 15% fine sand; trace coarse sand; very stiff; damp.; no gasoline odor.
	2.3	41		20	5		@19': olive gray (5Y, 4/2) to olive (5Y, 5/6); 20% fine to medium sand; no coarse sand; no gasoline odor.
			▽				@24': olive (5Y, 4/4); 25% fine to coarse sand; very plastic; soft; faint gasoline odor.
	0.4	50for 6"		25	6		BOTTOM OF BORING AT 24½ FEET.
				30			
				35			
				40			

REMARKS Drilled by 8-inch continuous flight, hollow stem auger; samples collected with 2-inch California modified split-spoon sampler; borehole backfilled with soil cuttings to ½ foot; concrete to surface.

EMCON ASSOCIATES

PLATE B

LOG OF EXPLORATORY BORING

PROJECT NUMBER 738-60.01 BORING NO. S-C

PROJECT NAME Gettler-Ryan, Shell, 4226 First St., Pleasanton PAGE 1 OF 1

BY MGB DATE 9/27/85 SURFACE ELEV. 373'±

TORVANE (TSF)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHOGRAPHIC COLUMN	DESCRIPTION
				0		SW	CONCRETE.
							SAND - Fill; very dark gray (5Y, 3/1); fine to coarse grained; trace fine gravel; trace fines; damp; strong gasoline odor.
		Push		5	1		
		2			2		@7': loose; strong gasoline odor.
				10			
	4.3	30			3	CL	CLAY; olive (5Y, 5/6, 5/3); 20% fine to coarse sand; silty; hard; damp; no gasoline odor.
		50for 6"		15	4	GC	CLAYEY GRAVEL; olive (5Y, 5/6, 5/4); fine grained; 35% fine to coarse sand; 15% fines; very dense; damp; no gasoline odor.
	0.4	19		20	5	CL	CLAY; yellowish brown (10YR, 5/6, 5/8); 35% fine to coarse sand; silty; soft; moist; no gasoline odor.
		72		25	6	SW	SAND: olive (5Y, 4/3); fine to coarse grained; 10% fines; medium dense; moist; no gasoline odor.
		48			7	ML SC	SANDY SILT; light olive brown (2.5Y, 5/6) 40% fine sand; very stiff; moist; no gasoline odor.
				30			CLAYEY SAND; olive brown (2.5Y, 4/4); fine to coarse grained; 40% clay; dense; moist; faint gasoline odor.
							BOTTOM OF BORING AT 28 FEET
				35			
				40			

REMARKS Drilled by 8-inch continuous flight, hollow-stem auger; samples collected with 2-inch California modified split-spoon sampler; borehole backfilled with concrete from 28 to 15 feet, soil cuttings to ½ foot; concrete to surface.

EMCON ASSOCIATES

PLATE C

LOG OF EXPLORATORY BORING

PROJECT NUMBER 738-60.01 BORING NO. S-D

PROJECT NAME Gettler-Ryan, Shell, 4226 First St., Pleasanton PAGE 1 OF 1

BY MGB DATE 9/27/85 SURFACE ELEV. 374'±

TORVANE (TSF)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHOGRAPHIC COLUMN	DESCRIPTION
				0			CONCRETE.
						SW	SAND - Fill; very dark gray (5Y, 3/1); fine to coarse grained; 15% fine gravel; trace fines; loose; damp; strong gasoline odor.
		Push		5	1		
		2			2		@7': strong gasoline odor.
				10			
	4.25	37			3	CL	CLAY; olive yellow (5Y, 6/8) to olive (5Y, 4/3); 20% fine to coarse sand; silty; hard; damp; faint gasoline odor.
	5	44		15	4		@14': olive (5Y, 4/3); 35% fine to coarse sand; 10% fine gravel; faint gasoline odor.
	2.2	22		20	5		@19': olive (5Y, 4/3); to gray (5Y, 5/1); 20% fine to medium sand; slightly silty; very stiff; damp; faint gasoline odor.
	1.25	31			6	ML	SANDY SILT; olive (5Y, 4/4); 40% fine sand; slightly clayey; stiff; damp; faint gasoline odor.
				25			BOTTOM OF BORING AT 22½ FEET.
				30			
				35			
				40			

REMARKS Drilled by 8-inch continuous flight, hollow-stem auger; samples collected with 2-inch California modified split-spoon sampler; borehole backfilled with concrete from 22½ to 11½ feet, soil cuttings to ½ foot ; concrete to surface.

EMCON ASSOCIATES

PLATE D

LOG OF EXPLORATORY BORING

PROJECT NUMBER 738-60.01 BORING NO. S-1

PROJECT NAME Gettler-Ryan, Shell, 4226 First St., Pleasanton PAGE 1 OF 1

BY MGB DATE 9/27/85 SURFACE ELEV. 373'±

TORVANE (TSF)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHOGRAPHIC COLUMN	DESCRIPTION
				0		SW SC	ASPHALT and GRAVEL - Fill SAND - Fill; very dark gray (5Y, 3/1); fine to coarse grained; 10% fine gravel; trace fines; damp; moderate gasoline odor.
				5			CLAYEY SAND; very dark gray (5Y, 3/1); fine to coarse grained; damp; moderate gasoline odor.
				10			
	4.25	34		15	1	CL	@12½': 10% fine gravel. CLAY; light olive brown (2.5Y, 5/6); 5% fine to coarse sand; silty; hard; damp; faint gasoline odor.
	3.6	28		20	2		@19': 20% fine to coarse sand; silty; very stiff; faint gasoline odor.
		57		25	3	GC	CLAYEY GRAVEL; olive (5Y, 5/4); fine grained; 35% fine to coarse sand; clayey; very dense; damp; no gasoline odor.
		60		30	4		@29': no gasoline odor.
							BOTTOM OF BORING AT 30½ FEET.
				35			
				40			

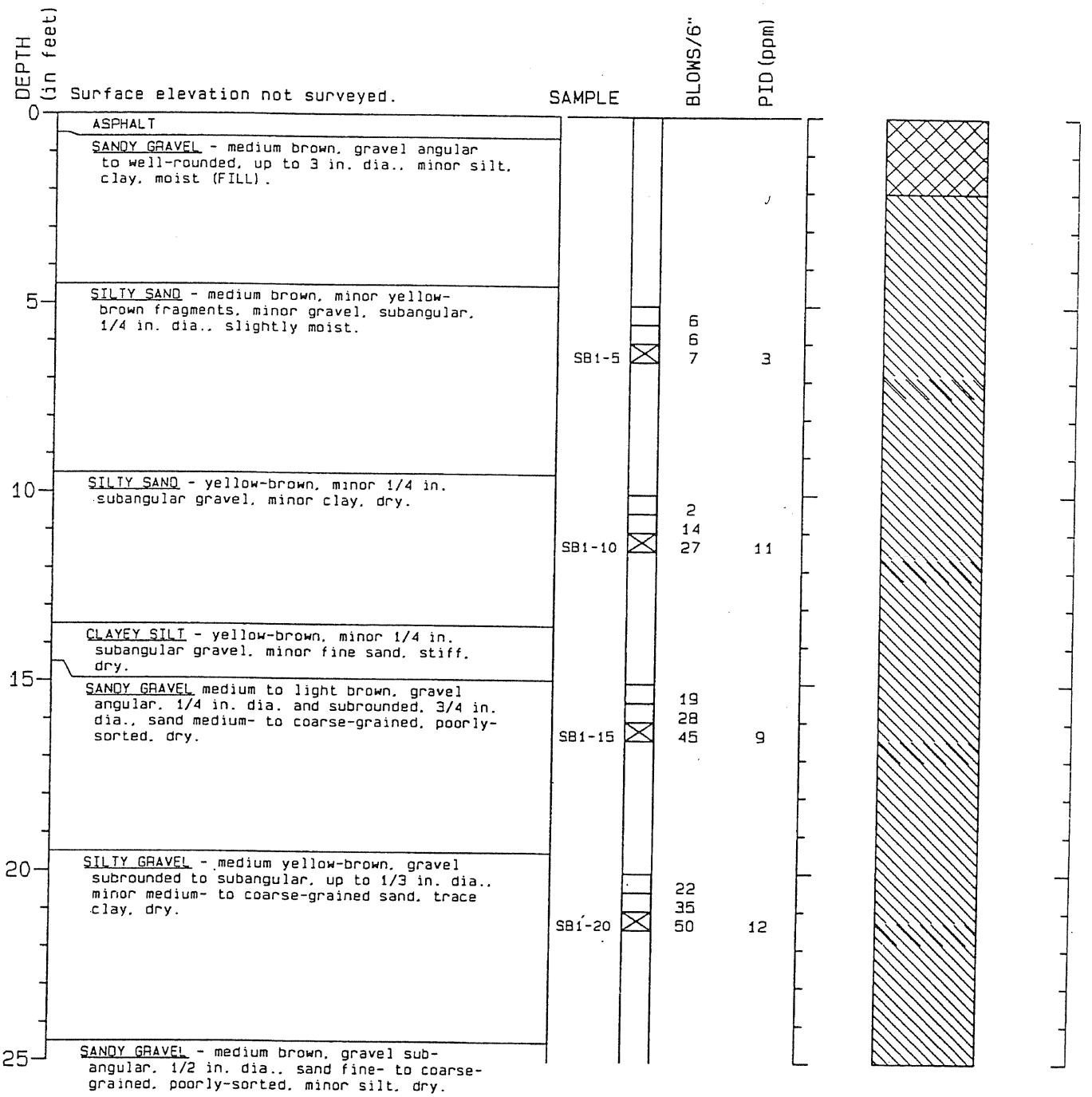
REMARKS Drilled by 8-inch continuous flight, hollow-stem auger; samples collected with 2-inch California modified split-spoon sampler; borehole converted to 3-inch monitoring well as detailed on Plate F.

EMCON ASSOCIATES

PLATE E

Boring Log SB-1

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil description and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

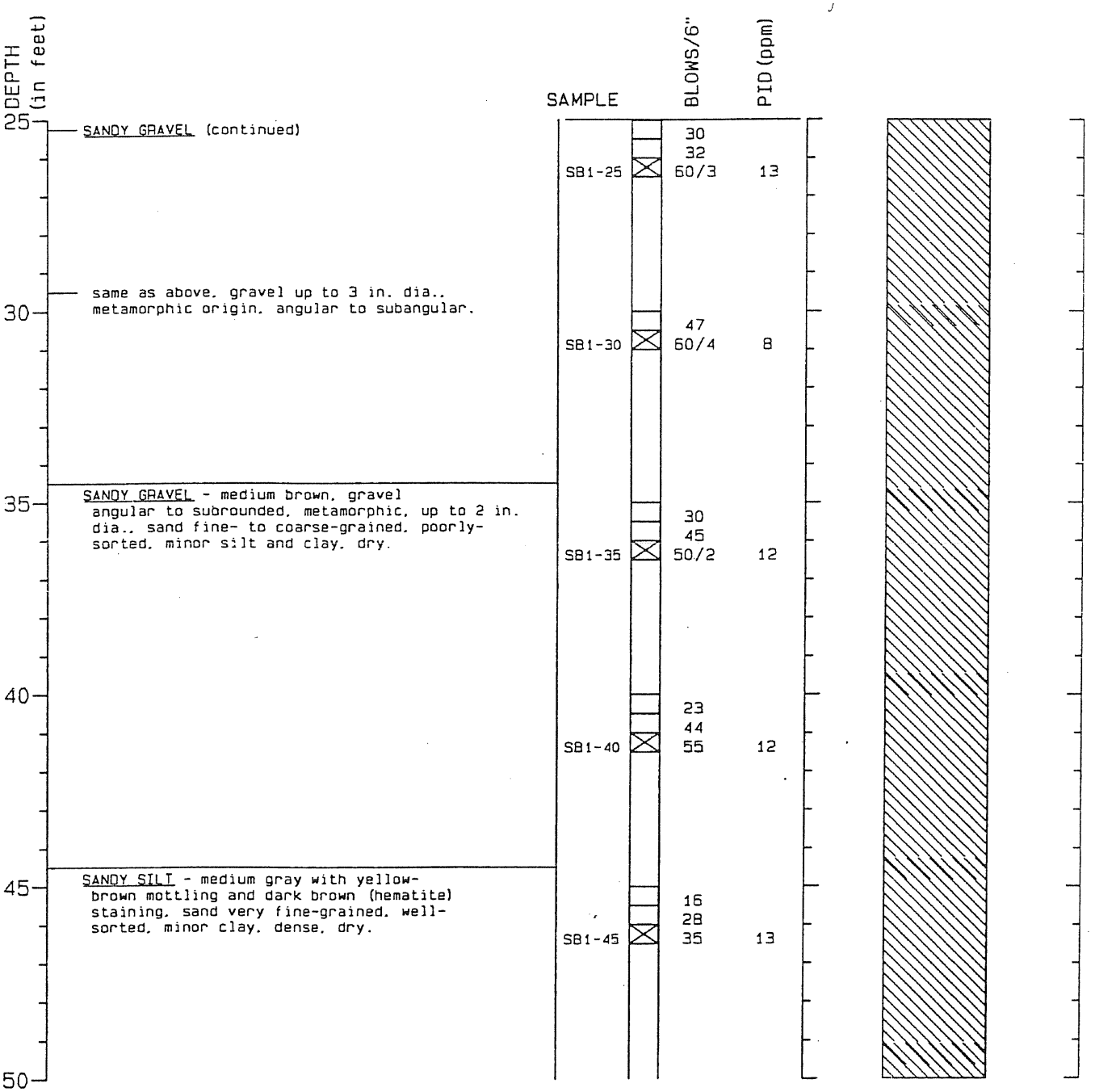
HARTCROWSER

J-6006 4/90

Figure A-2

Boring Log SB-1

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil description and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

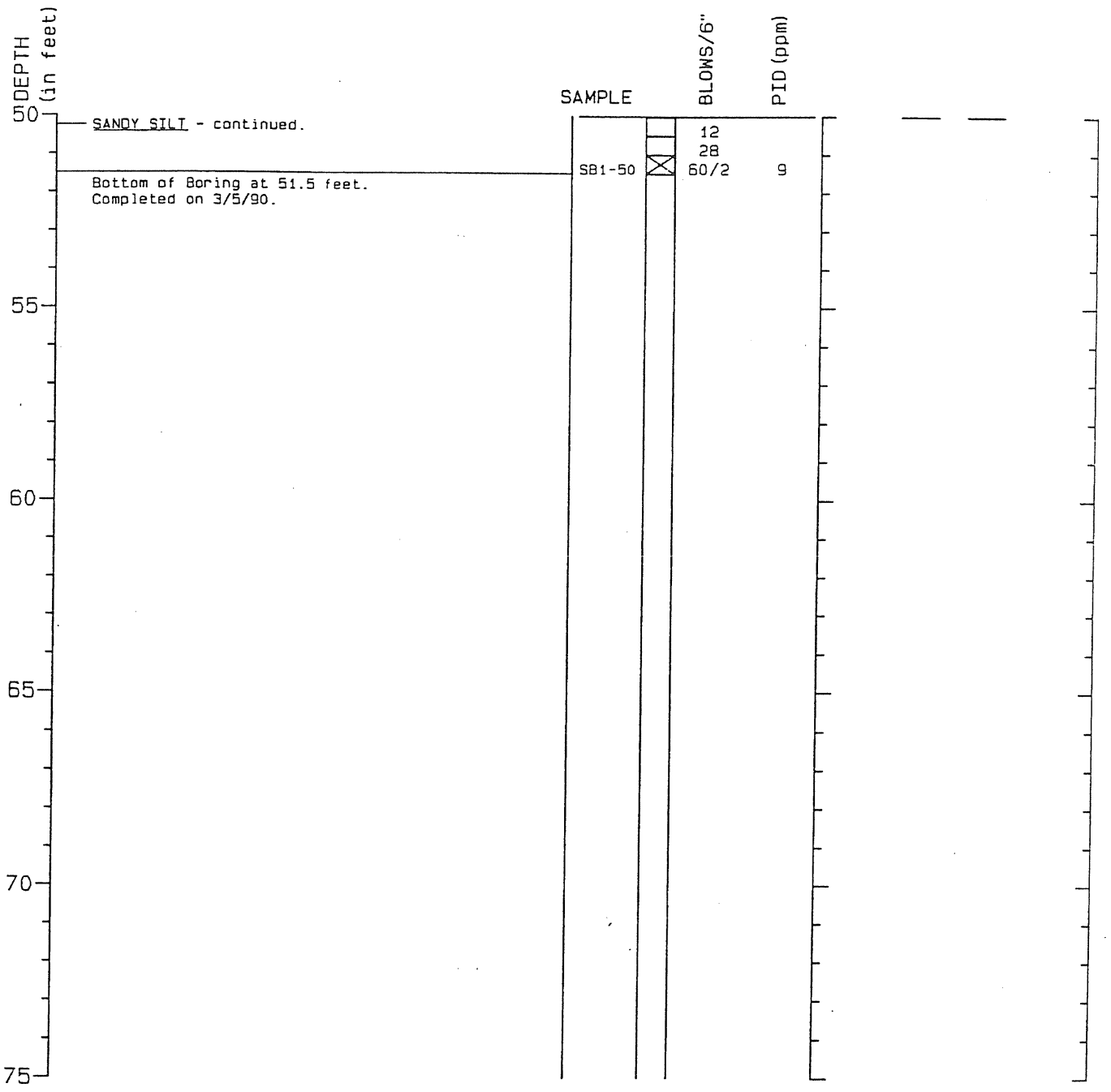
HARTCROWSER

J-6006 4/90

Figure A-2

Boring Log SB-1

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil description and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

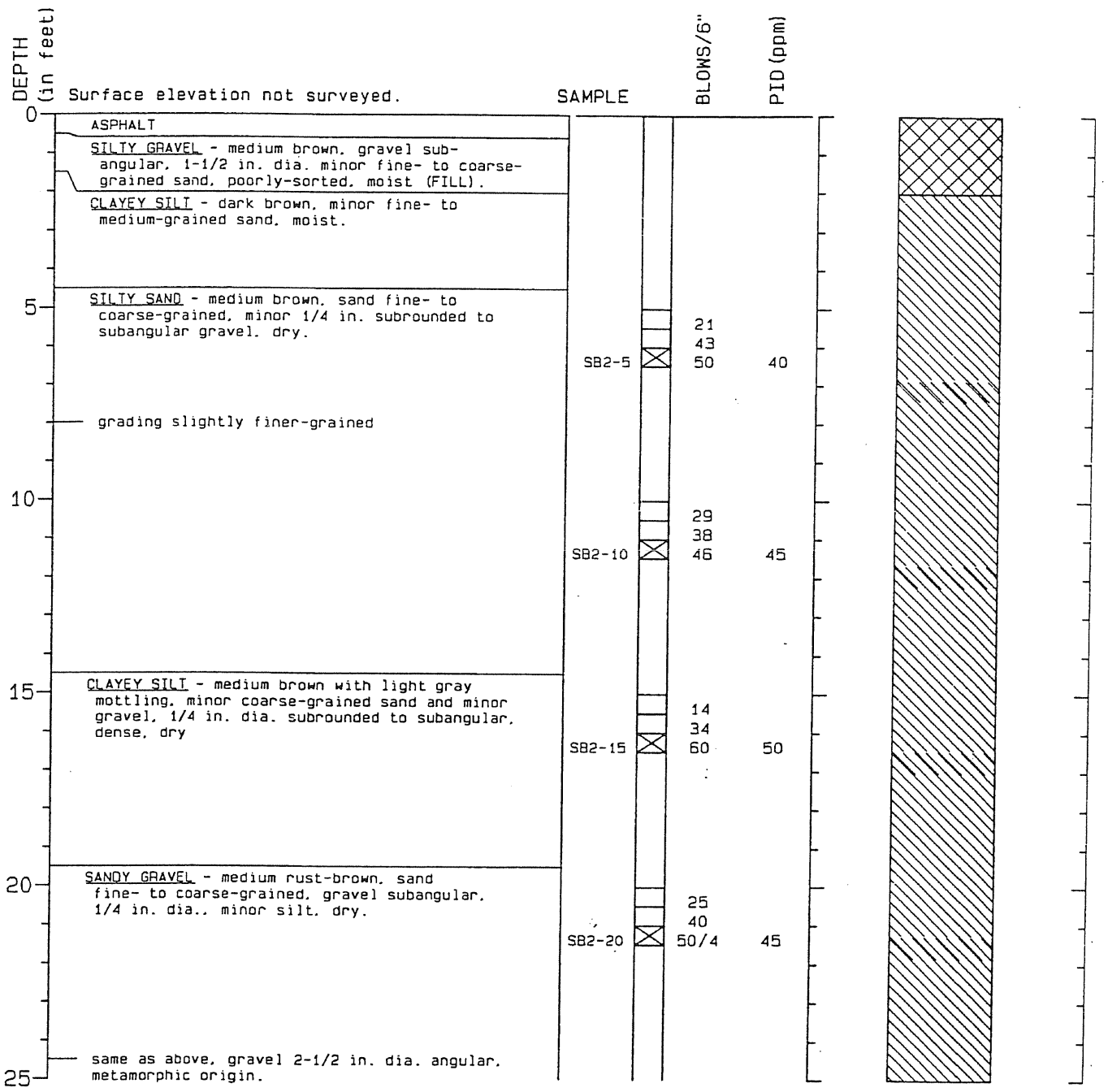
HARTCROWSER

J-6006 4/90

Figure A-2

Boring Log SB-2

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil description and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

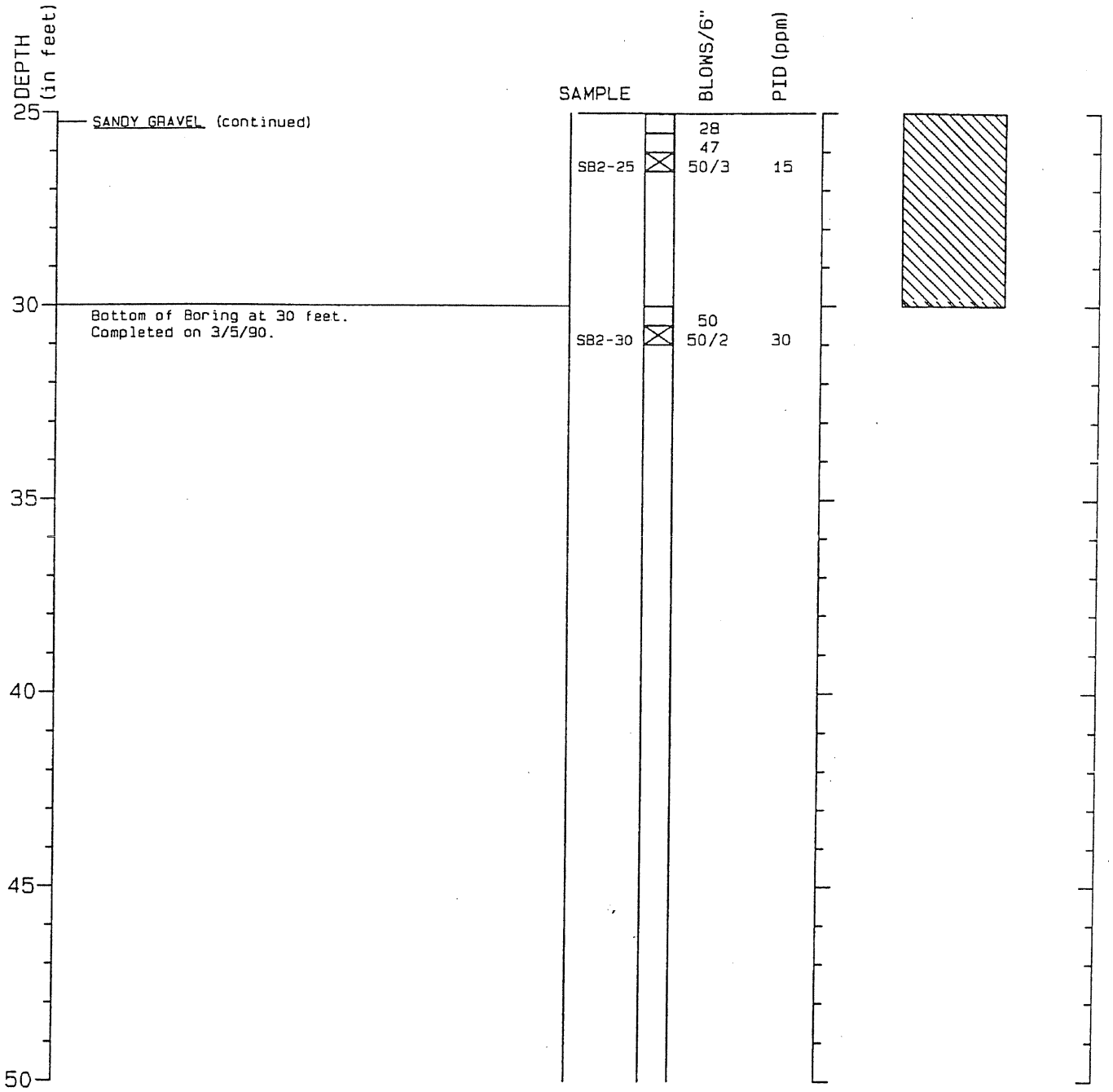
HARTCROWSER

J-6006 3/90

Figure A-3

Boring Log SB-2

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil description and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

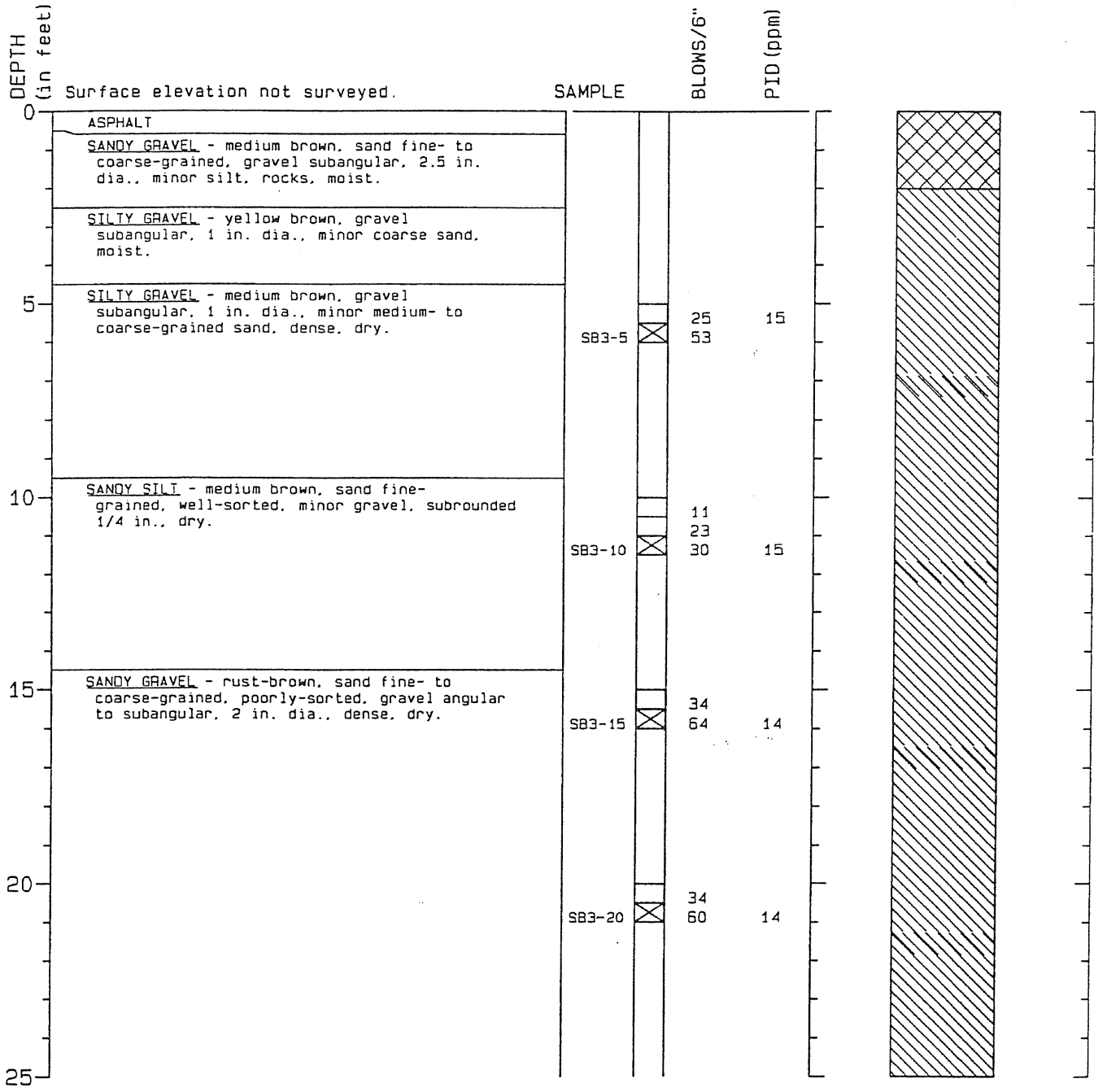
HARTCROWSER

J-6006 3/90

Figure A-3

Boring Log SB-3

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil description and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

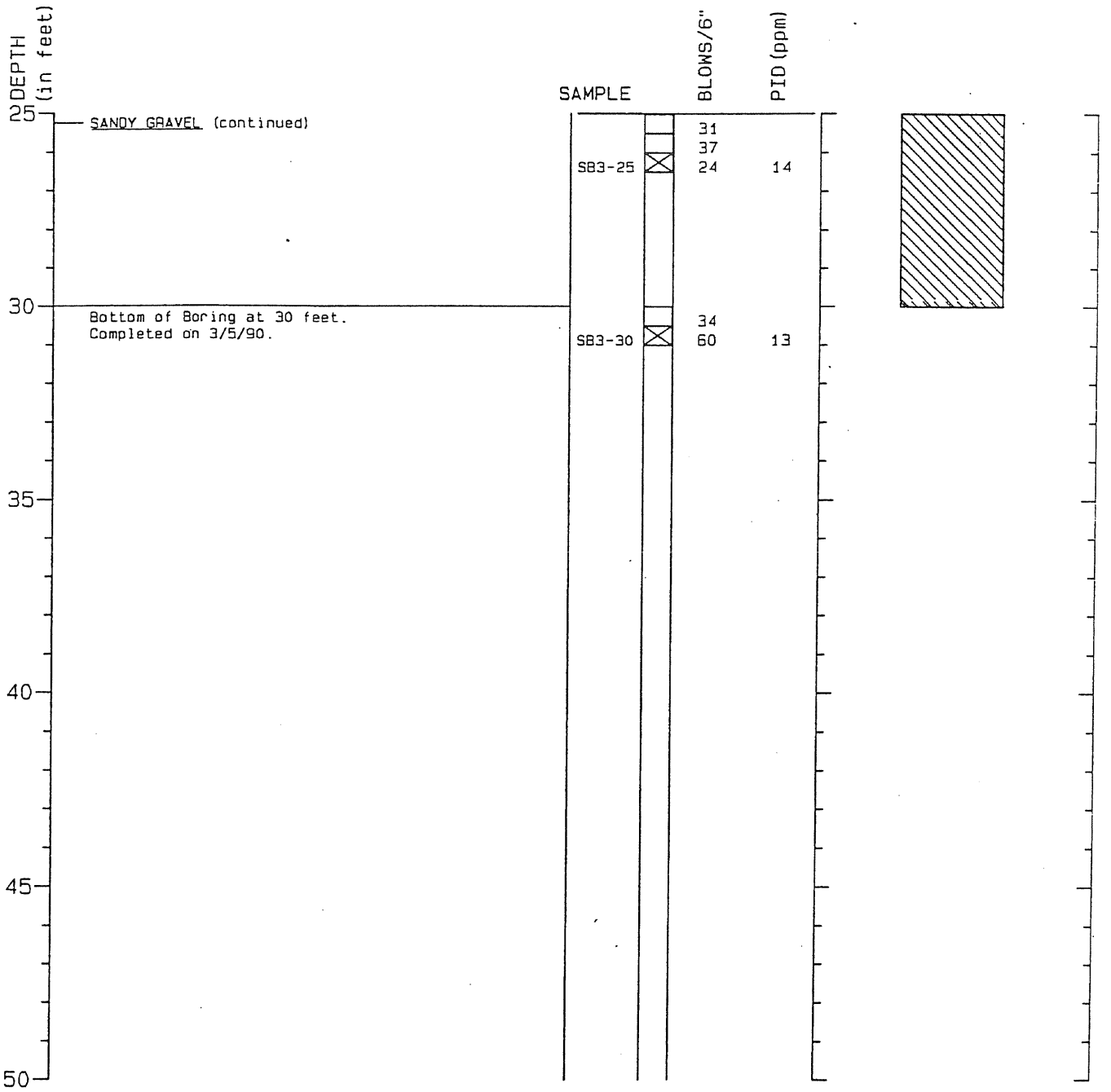
HARTCROWSER

J-6006 3/90

Figure A-4

Boring Log SB-3

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil description and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

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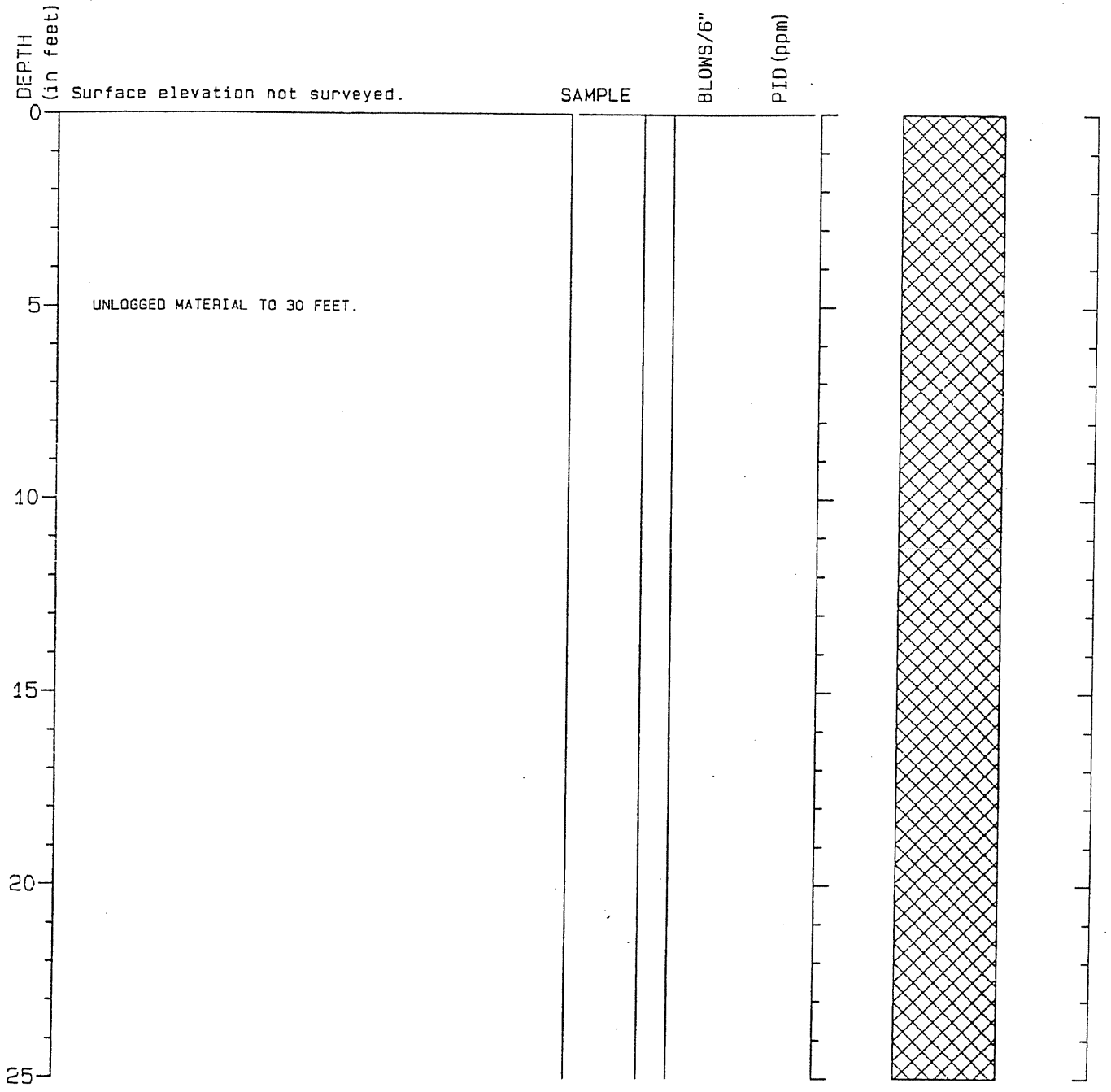
J-6006 3/90

Figure A-4

Boring Log WA-1

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil description and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

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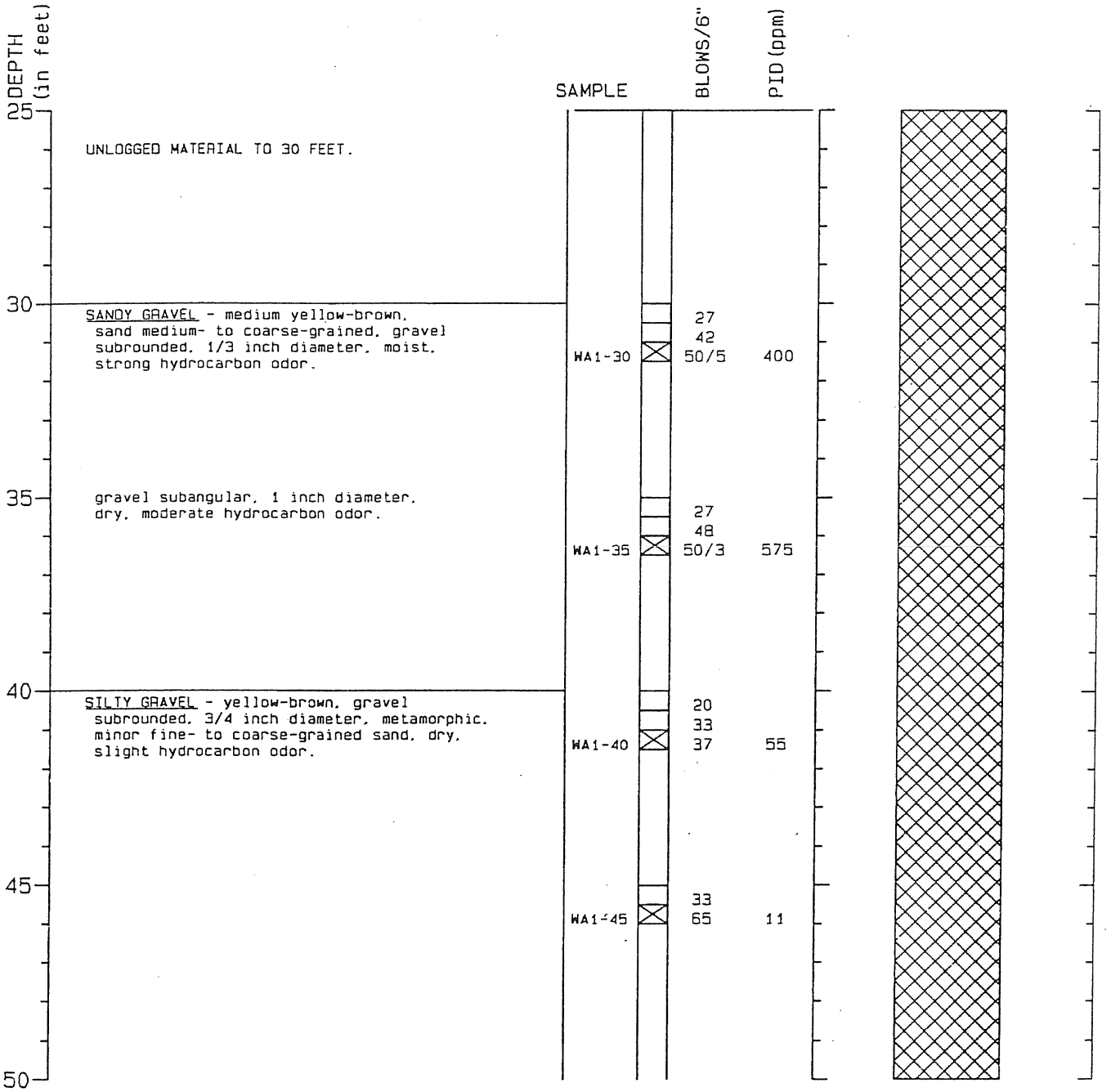
J-6006 4/90

Figure A-5

Boring Log WA-1

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil description and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

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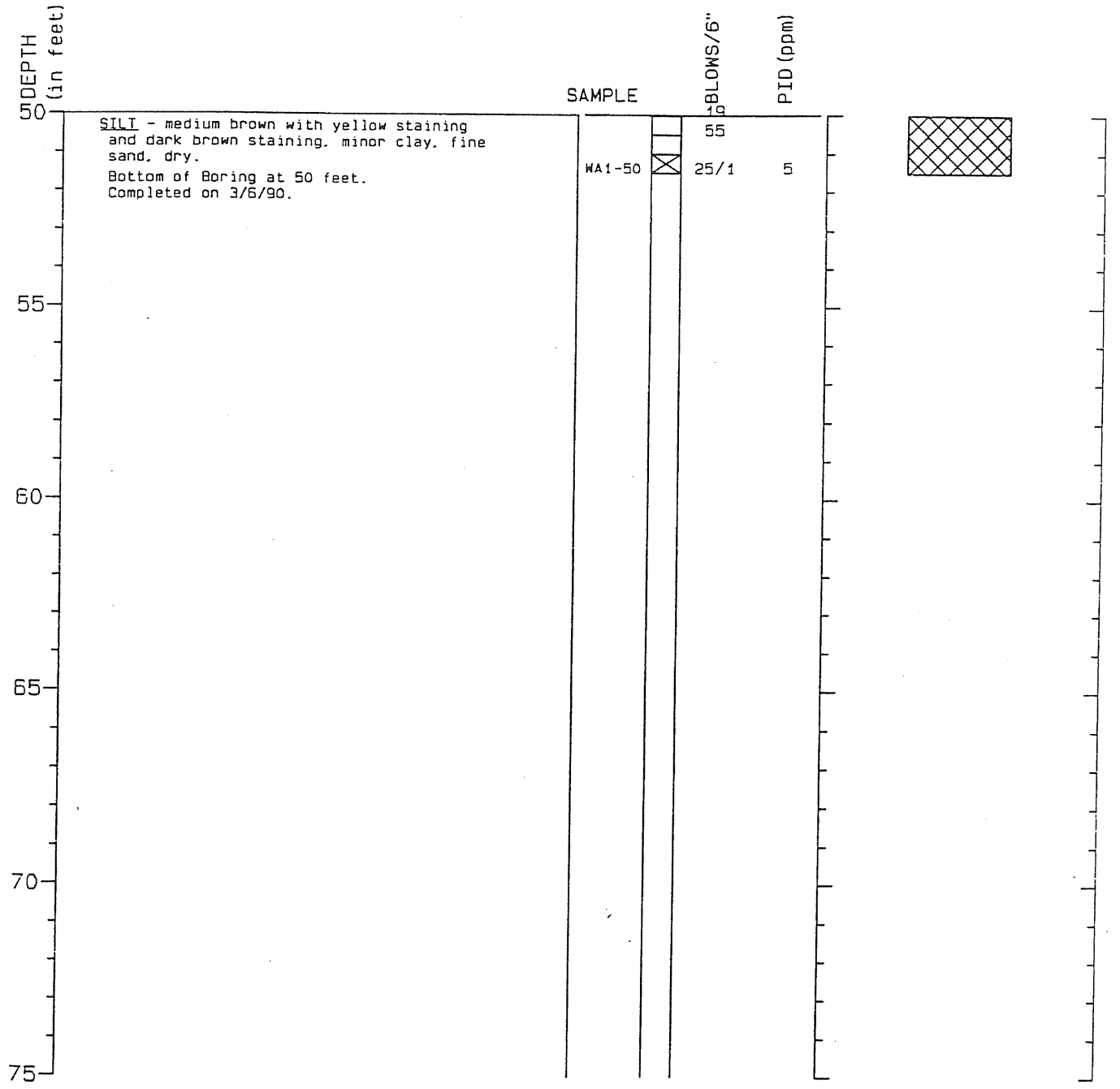
J-6006 4/90

Figure A-5

Boring Log WA-1

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil description and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

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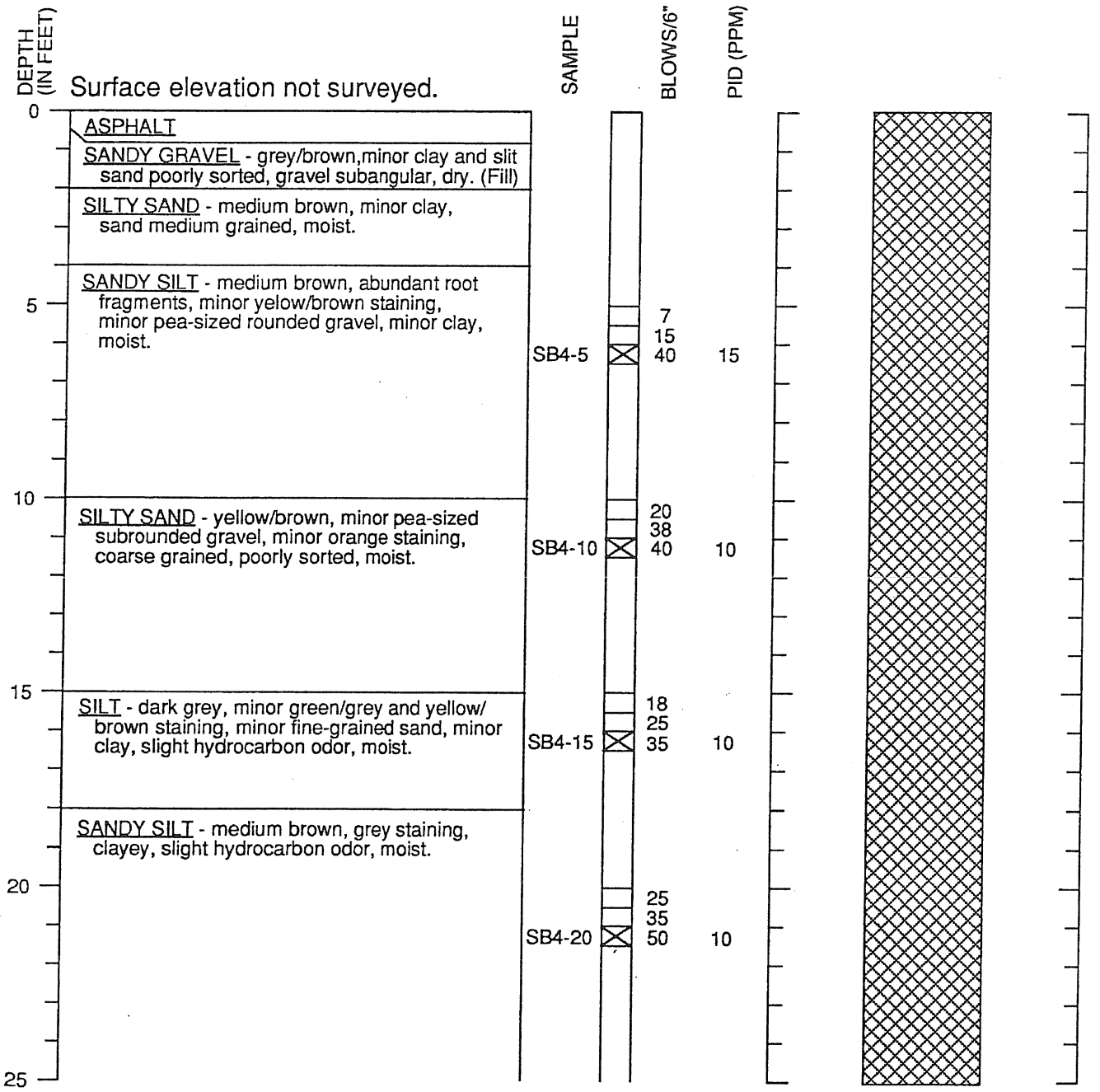
J-6006 4/90

Figure A-5

Boring Log SB-4

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

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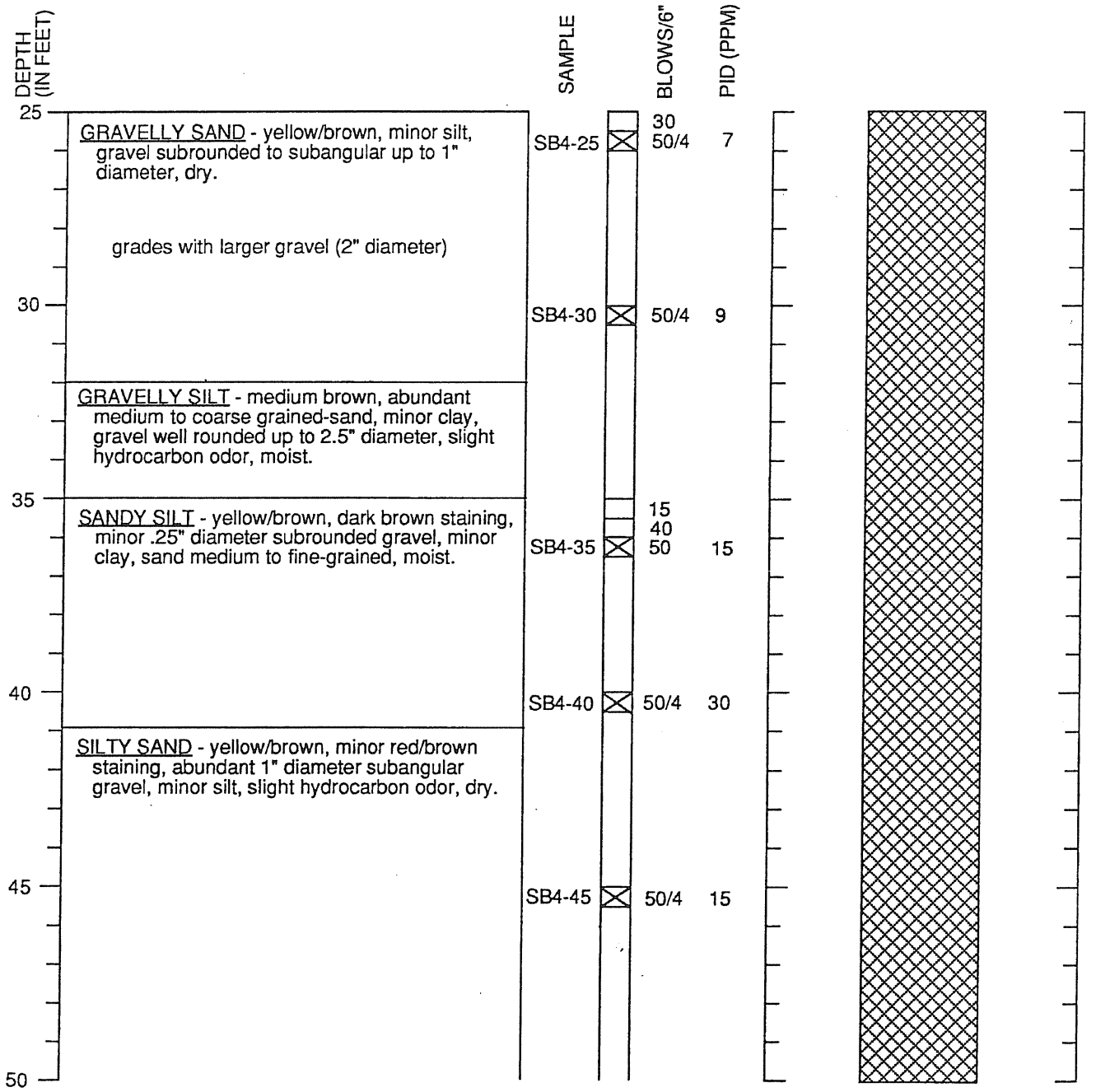
J-6006 *12/90*

Figure A-2

Boring Log SB-4

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

HARTCROWSER

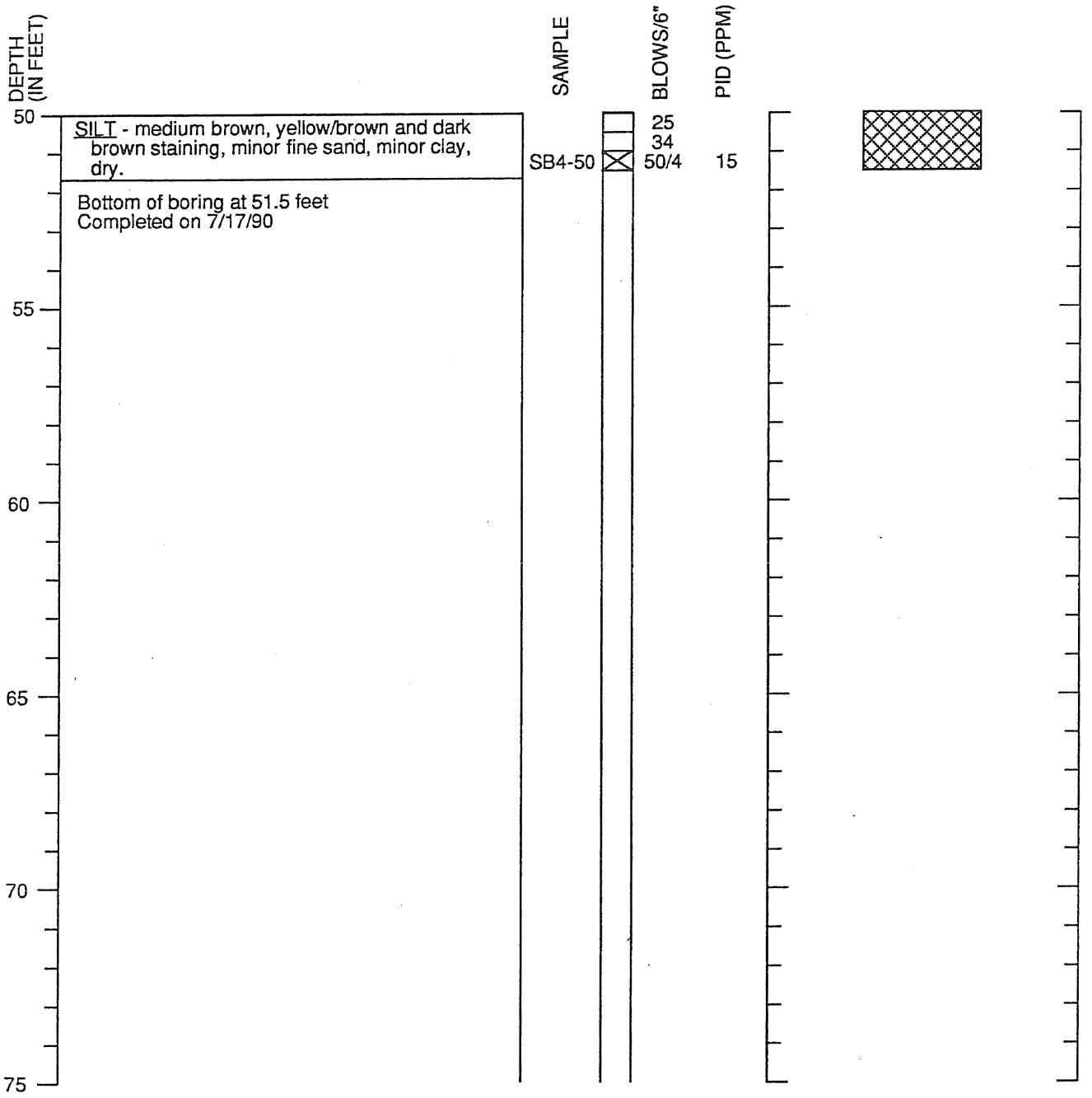
J-6006 *12/90*

Figure A-2

Page 2 of 3

Boring Log SB-4

Geologic Log



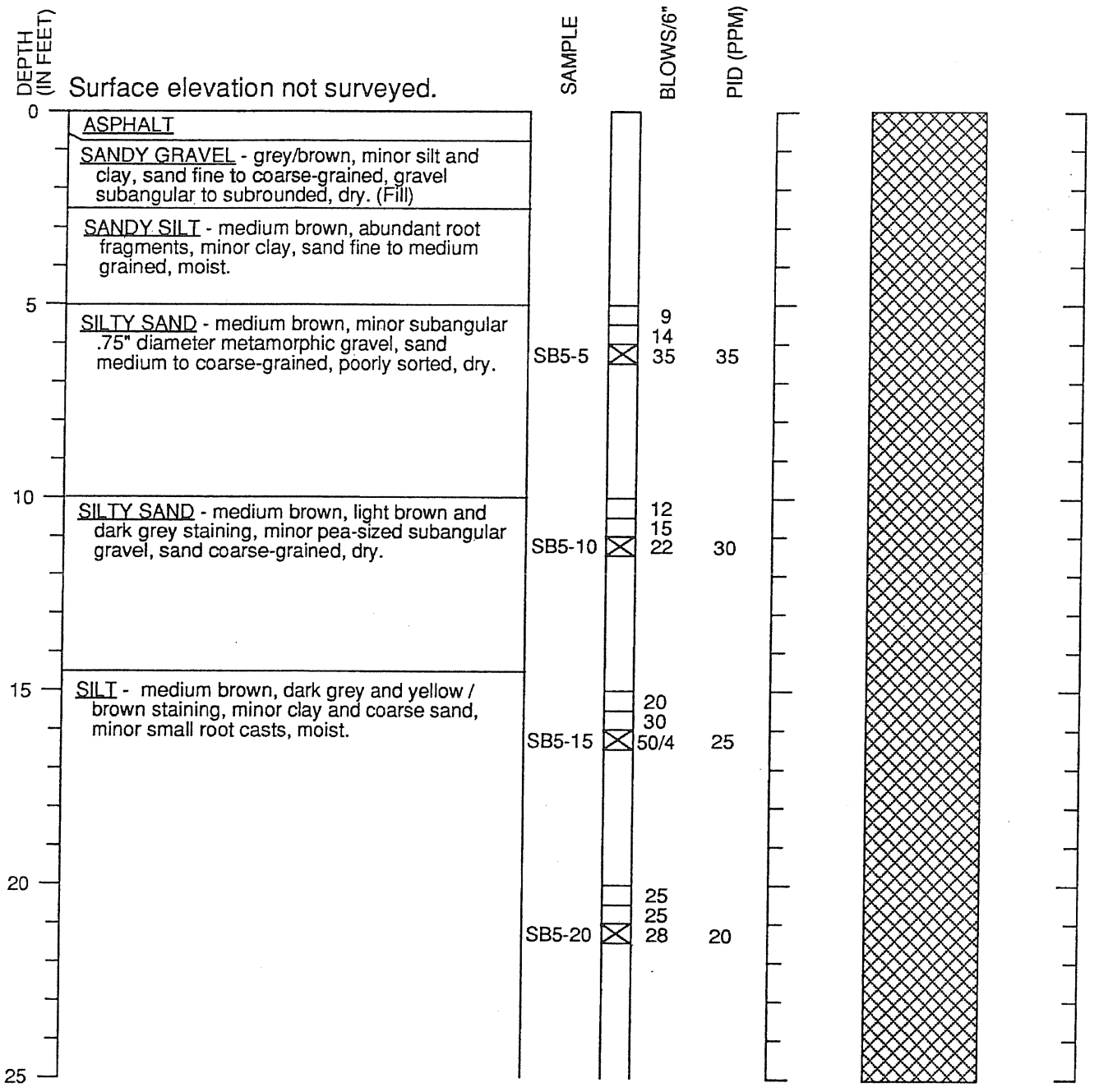
1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. No free water encountered.

HARTCROWSER

J-6006 12/90
Figure A-2
Page 3 of 3

Boring Log SB-5

Geologic Log



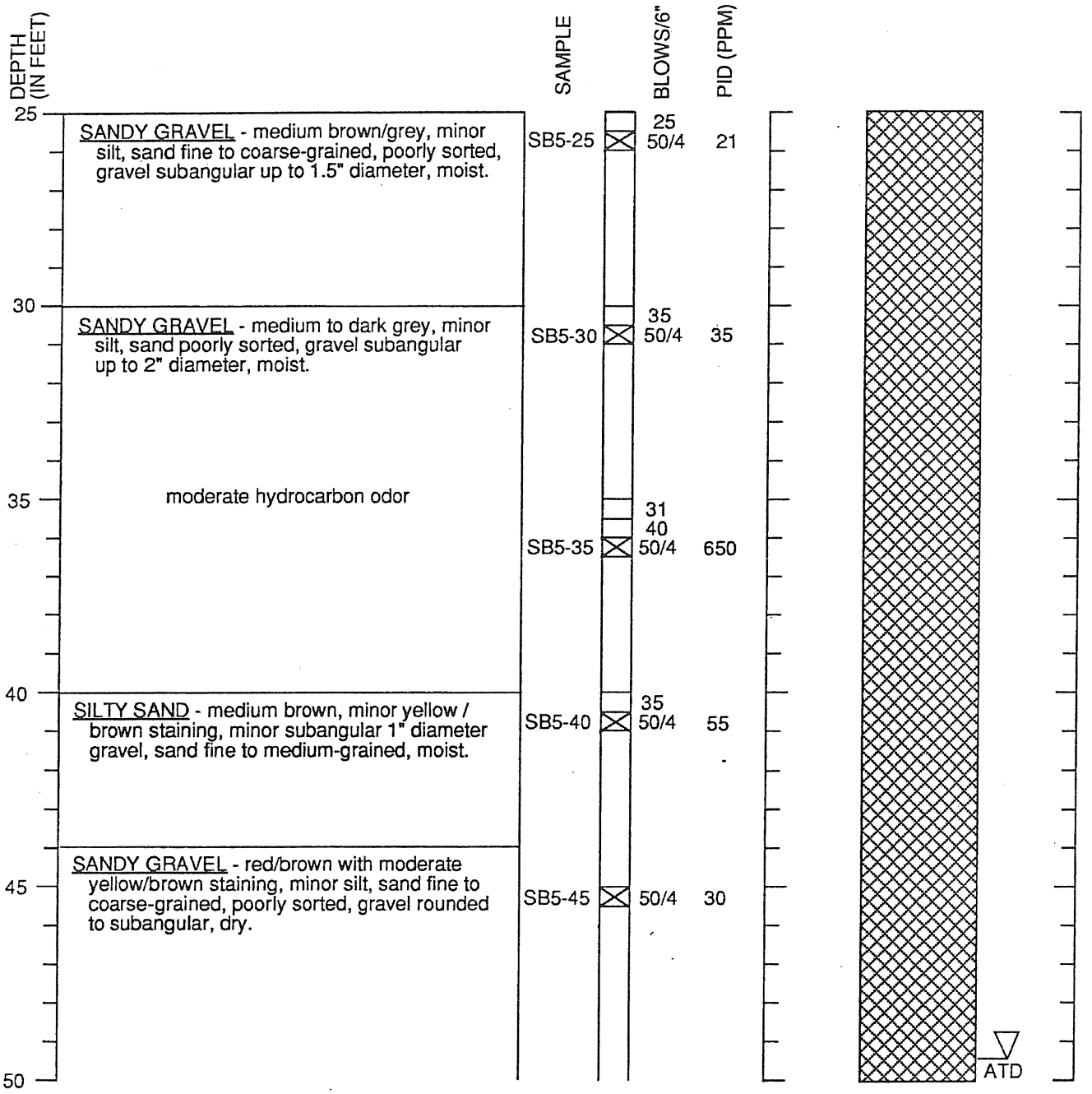
1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Perched water encountered at 49.5 feet BGS.

HARTCROWSER

J-6006 *12/90*
Figure A-3
Page 1 of 3

Boring Log SB- 5

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Perched water encountered at 49.5 feet BGS

HARTCROWSER

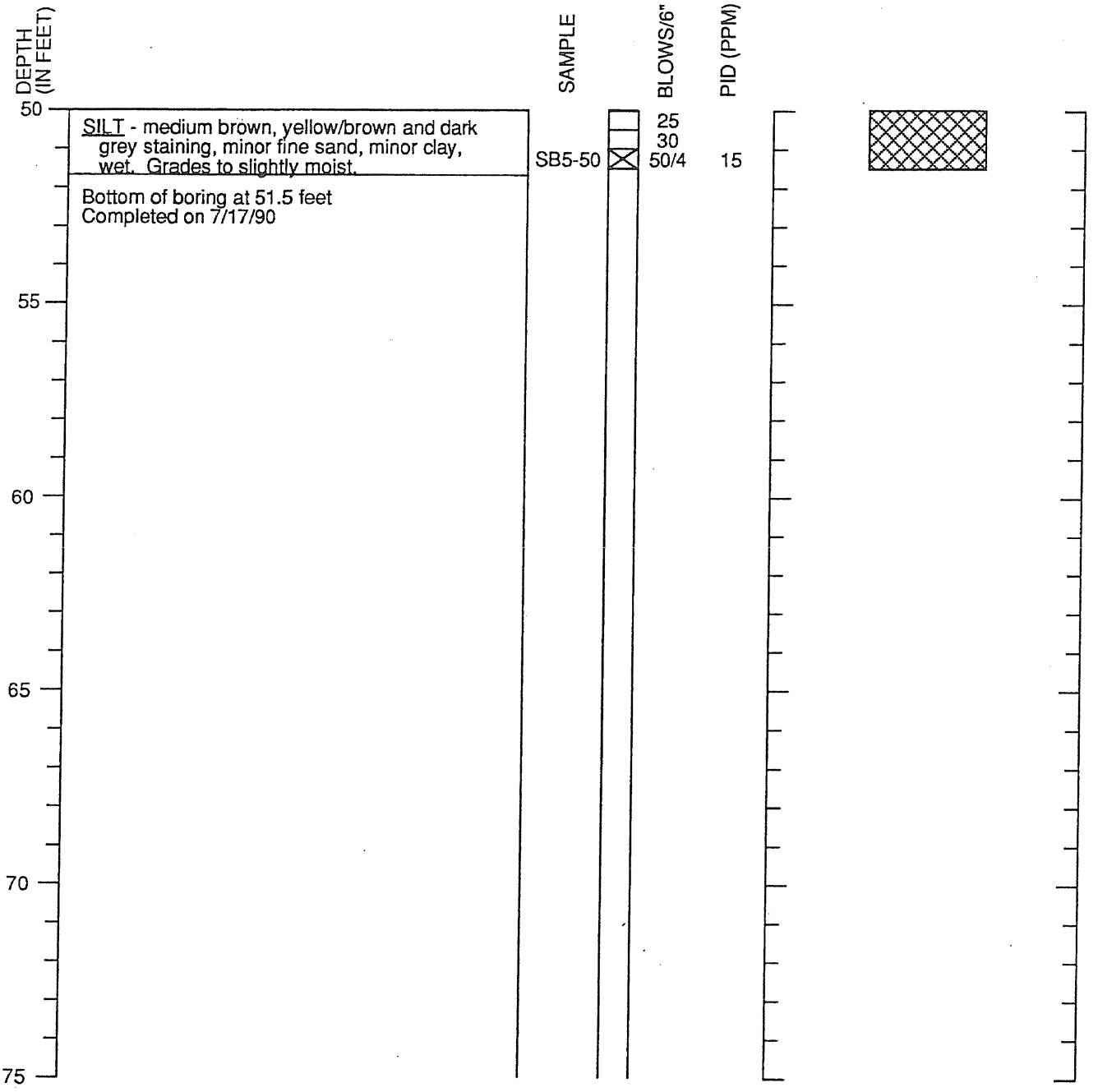
J-6006 *12/90*

Figure A-3

Page 2 of 3

Boring Log SB-5

Geologic Log



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. Perched water encountered at 49.5 feet.

HARTCROWSER

J-6006 12/90
Figure A-3
Page 3 of 3

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	SB-7
JOB/SITE NAME	ple-4226	**DRILLING STARTED**	07-Apr-99
LOCATION	4226 First Street, Pleasanton, California	**DRILLING COMPLETED**	07-Apr-99
PROJECT NUMBER	241-0395	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	8"	**SCREENED INTERVAL**	NA
LOGGED BY	B. Jakub	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Jakub	**DEPTH TO WATER (Static)**	42.50ft (08-Apr-99)

REMARKS Hand augered to 4' bgs; located E side of Vineyard exit near planter.

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
								ASPHALT.	0.3
								FILL.	1.5
						ML		**Sandy SILT**; (ML); brown (10YR4/3); very soft; wet; 5% clay, 70% silt, 25% fine to medium grained sand; low plasticity; moderate to low estimated permeability.	
	11 12 19				5				4.5
						ML		**SILT**; (ML); dark yellow brown (10YR4/6); stiff; moist; 5% clay, 85% silt, 8% sand, 2% fine grained gravel; low plasticity; low estimated permeability.	
	15 25 31				10				9.7
								Clayey SILT; (ML); yellow brown (10YR5/8); stiff; damp; 38% clay, 50% silt, 2% fine grained sand, 10% fine to coarse subangular gravel; high plasticity; low estimated permeability.	
	16 25 35					ML			
<1.0			SB-7 -15.0		15			@ 14.3 - olive brown (2.5Y4/4) mottled with olive; 20% clay, 78% silt, 2% fine grained gravel; medium plasticity; low estimated permeability.	
	11								19.5
<1.0	22 25		SB-7 - 19.5		20	SP		**Gravelly SAND with Silt**; (SP); olive gray (5Y4/2); dense; damp; 3% clay, 15% silt, 62% fine to coarse grained sand, 20% fine to coarse grained gravel; no plasticity; high estimated permeability.	20.3
						GP		**Clayey Sandy GRAVEL**; (GP); yellow brown (10YR5/6); 20% clay, 20% fine to coarse grained sand, 80% fine to coarse grained gravel (quartz, possibly chert); low to medium plasticity; low to moderate estimated permeability.	24.3
<1.0	20 20 20		SB-7 - 24.5		25	SP		**Gravelly SAND with Silt**; (SP); yellow brown (10YR5/6); dense; damp; 3% clay, 15% silt, 52% medium grained sand, 25% fine grained gravel; no plasticity; high estimated permeability.	25.3
						ML		**Clayey SILT**; (ML); stiff; damp; 30% clay, 60% silt, 10% fine grained sand; high plasticity; low estimated permeability; trace carbon.	29.0
<1.0	35 36 40		SB-7 - 29.3		30	GP		**Sandy GRAVEL with Clay**; (GP); dark olive gray (5Y3/2); 15% clay, 5% silt, 35% fine to coarse grained sand, 45% fine to coarse grained gravel (quartz); low plasticity; moderate to high estimated permeability.	
	19 20				35			**Clayey GRAVEL with Silt**; (GC); yellow brown	34.0

WELL DIAGRAM

WELL LOG (TPH-G) G:\PLE4226\GINT\PLE4226.GPJ DEFAULT.GDT 8/11/99

Continued Next Page

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	SB-7
JOB/SITE NAME	ple-4226	**DRILLING STARTED**	07-Apr-99
LOCATION	4226 First Street, Pleasanton, California	**DRILLING COMPLETED**	07-Apr-99

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
	50		SB-7 - 34.3					(10YR5/8); very dense; damp; 35% clay, 15% silt, 10% sand, 40% fine to coarse grained gravel (quartz); medium plasticity; moderate to low estimated permeability.		
	25 45							@ 39' - quartz, siltstone, chert gravels.		
<1.0	53		SB-7 - 40.0		40	GC				
	25							@ 44' - moist to wet.		
83	40 50/3		SB-7 - 44.5		45					
	20								49.0	
<1.0	30 50		SB-7 -49.5		50			**Clayey GRAVEL**; (GC); yellow brown (10YR5/4); very dense; moist to wet; 20% clay, 10% silt, 10% medium to coarse grained sand, 60% fine grained gravel; medium plasticity; low to moderate estimated permeability.		Portland Type I/II
	30									
<1.0	50/3		SB-7 - 54.3		55	GC				
	20								59.0	
<1.0	30 50/3		SB-7 - 59.5		60			**Clayey SILT**; (MH); mottled yellow brown (10YR4/6) and light brownish gray (2.5Y6/2); hard; dry; 20% clay, 70% silt, 10% very fine to fine grained sand; medium plasticity; low estimated permeability.		
	25					MH		@ 64' - dark brown MnO_2 or organic blebs throughout.		
<1.0	35 50/3		SB-7 - 64.5		65					
	17								69.0	
	32 50/4		SB-7 - 69.5		70			**Clayey SILT**; (MH); light olive brown (2.5Y5/4); hard; dry; 25% clay, 75% silt; medium plasticity; very low estimated permeability.		
	20 40				75			@ 74' - increasing mottled with yellow brown (10YR5/8).	74.5	

WELL LOG (TPH-G) G:\PLE4226\GINT\PLE4226.GPJ DEFAULT.GDT 8/11/99

Continued Next Page

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	SB-7
JOB/SITE NAME	ple-4226	**DRILLING STARTED**	07-Apr-99
LOCATION	4226 First Street, Pleasanton, California	**DRILLING COMPLETED**	07-Apr-99

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
	50/4		SB-7 - 74.5					@ 74' to 74.5' - black blebs, possibly MnO_2.		
	15 30 50/2		SB-7 - 79.5		80					
	15 25 50		SB-7 - 85.0		85	MH		@ 84' - dark yellow brown (10YR4/6); damp; 30% clay, 70% silt.		
	15 46 50				90					
	25 30 50		SB-7 - 94.5		95			@ 94' - MnO_2 blebs throughout; becomes siltier.		
	25 50/3		SB-7 - 100.0		100	SC		**Clayey SAND with Gravel**; (SC); dark yellow brown (10YR4/6); dense; damp; 30% clay, 5% silt, 50% fine to coarse grained sand, 15% fine grained gravel (quartz); medium plasticity; low to moderate estimated permeability.	99.0 100.0	Bottom of Boring @ 100 ft
								Ground water sample (SB-7-GW) collected.		

BORING LOG

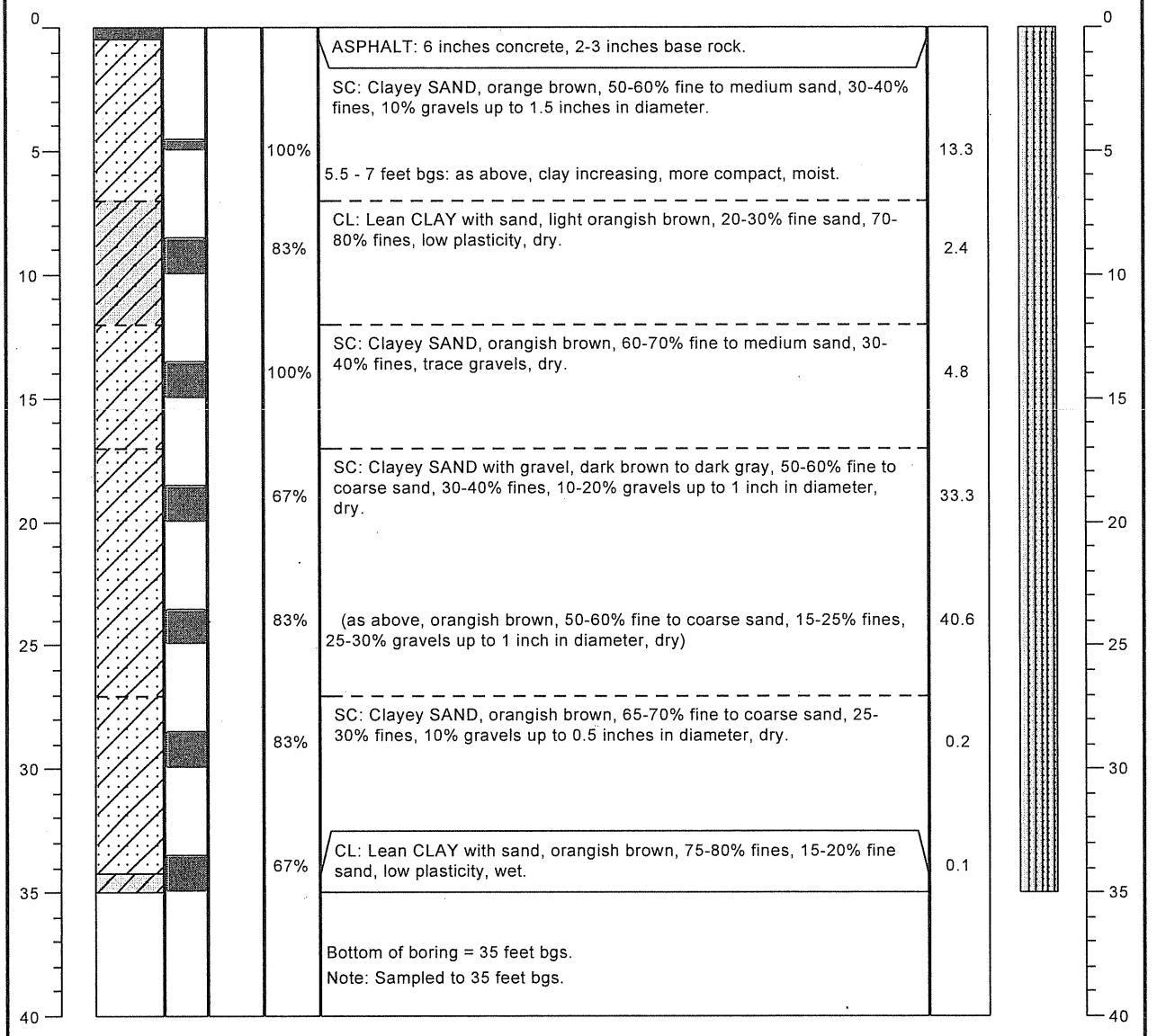
DELTA Xinogen

Client: **Shell Oil Products US**

Project Number: **SJ4226F1X**

Boring No. **B-1**

Address:	Drilling Date(s): **3/27/07**	Boring diameter (in.): **8**	Casing Material: **NA**
4226 1st Street	Drilling Company: **Gregg**	Sampling Method: **Hand Auger/Split Spoon**	Screen Interval: **NA**
Pleasanton, California	Drilling Method: **HSA**	Well Depth (ft.): **NA**	Screen slot size: **NA**
Logged By: **Andy Persio**	Boring Depth (ft): **35**	Casing Diameter (in.): **NA**	Sand Pack: **NA**



BORING LOG

DELTA Xinogen

Client: **Shell Oil Products US**

Project Number: **SJ4226F1X**

Boring No. **B-2**

Address:	Drilling Date(s): **3/27/07**	Boring diameter (in.): **6**	Casing Material: **NA**
4226 1st Street	Drilling Company: **Gregg**	Sampling Method: **Hand Auger/Split Spoon**	Screen Interval: **NA**
Pleasanton, California	Drilling Method: **HSA**	Well Depth (ft.): **NA**	Screen slot size: **NA**
Logged By: **Andy Persio**	Boring Depth (ft): **35**	Casing Diameter (in.): **NA**	Sand Pack: **NA**

Depth (ft.)	Water Level	Soil/Rock Graphic	Sampled Interval	Blow Counts (blows/ft)	Recovery (%)	Soil/Rock Visual Description	PID Reading (ppm)	Boring Completion	Depth (ft.)
0						ASPHALT: 6 inches concrete, 1-2 inches base rock.			0
						CL: Sandy lean CLAY, dark brown, 60-70% fines, 30-40% fine to medium sand.			
5					100%	SC: Clayey SAND, orangish brown, 55-65% fine to medium sand, 35-45% fines, trace gravels. 5.5 - 7 feet bgs: as above, clay increasing, more compact, dry.	6.4		5
10					100%	(as above, 65-75% fine to medium sand, 25-35% fines, very dense, dry)	0.6		10
					100%	CL: Sandy CLAY, orangish brown, 20-30% fine sand, 70-80% fines, low plasticity, dry.	0.2		
15									15
					83%	SC: Clayey SAND, orangish brown, 60-70% fine to coarse sand, 30-40% fines, trace gravels, dry.	0.3		
20									20
					67%	SC: Clayey SAND with gravel, brown to orangish brown, 50-60% fine to coarse sand, 25-35% fines, 5-25% gravels up to 1 inch in diameter, dry.	5.8		
25									25
					50%	(same as above, dry)	0.1		
30									30
					67%	(same as above, dry)	33.2		
35									35
						Bottom of boring = 35 feet bgs. Note: Sampled to 35 feet bgs.			
40									40

BORING LOG

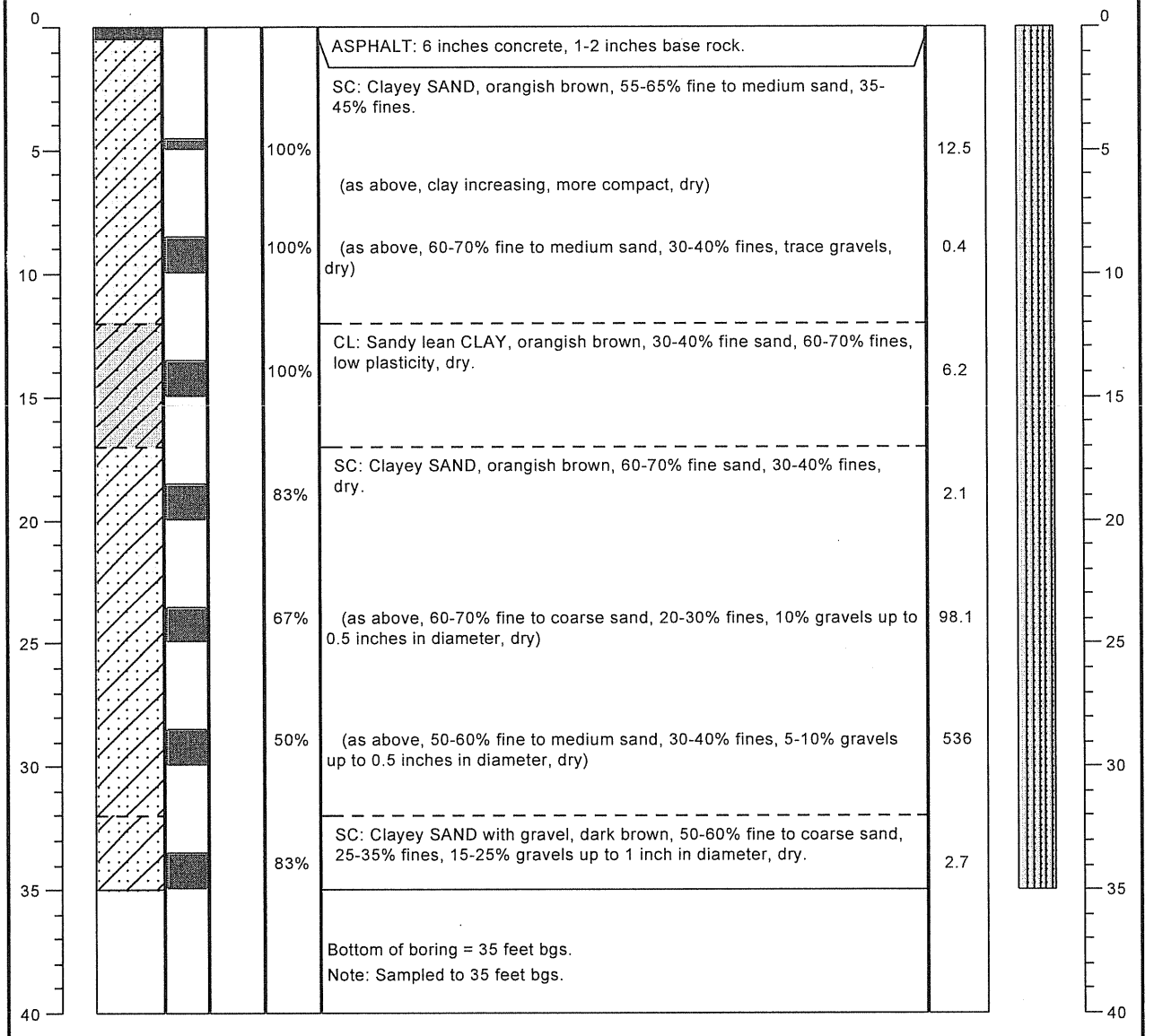
DELTA Inogen

Client: **Shell Oil Products US**

Project Number: **SJ4226F1X**

Boring No. **B-3**

Address:	Drilling Date(s): **3/27-28/07**	Boring diameter (in.): **8**	Casing Material: **NA**
4226 1st Street	Drilling Company: **Gregg**	Sampling Method: **Hand Auger/Split Spoon**	Screen Interval: **NA**
Pleasanton, California	Drilling Method: **HSA**	Well Depth (ft.): **NA**	Screen slot size: **NA**
Logged By: **Andy Persio**	Boring Depth (ft): **35**	Casing Diameter (in.): **NA**	Sand Pack: **NA**



BORING LOG

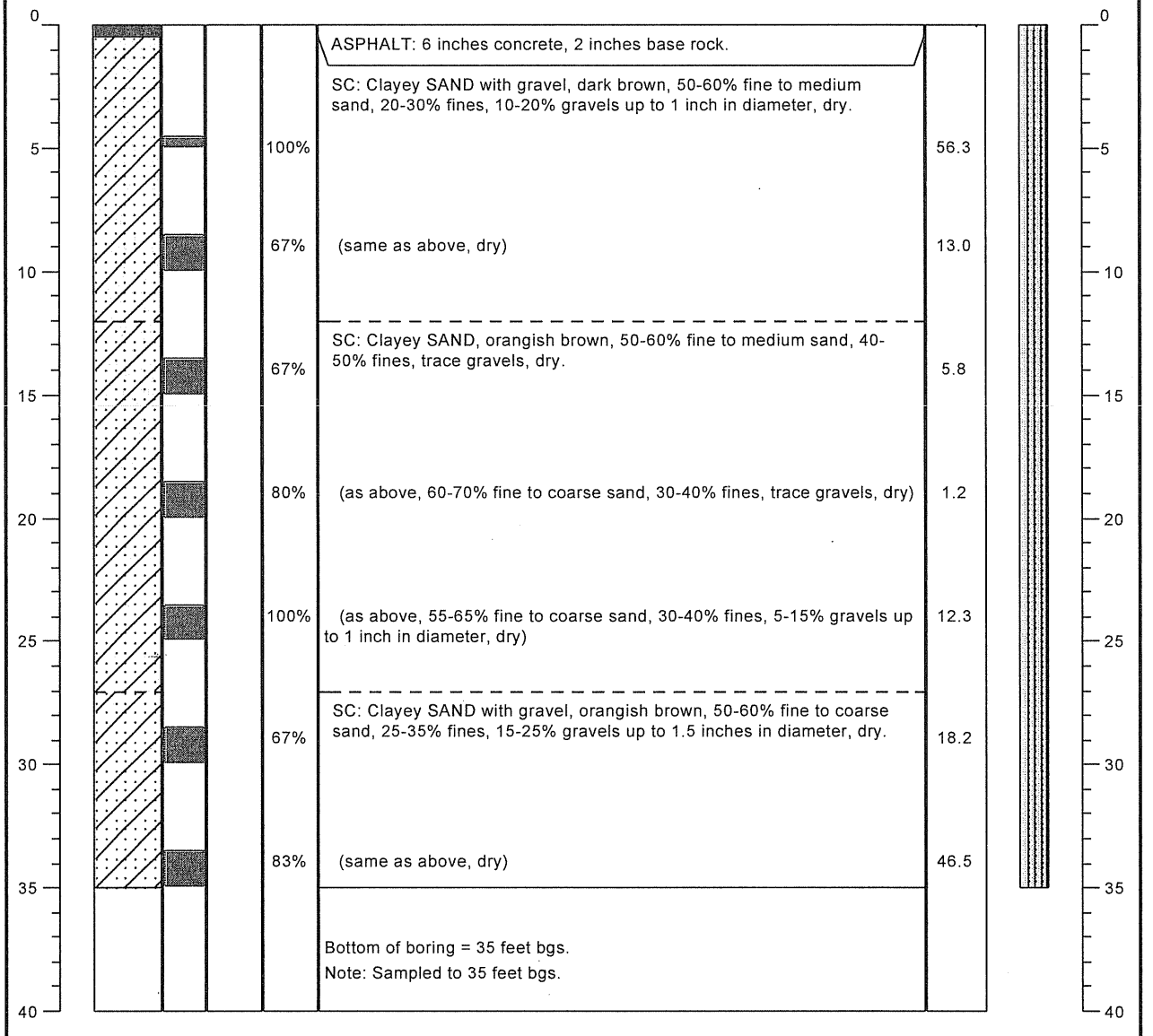
DELTA Xinogen

Client: **Shell Oil Products US**

Project Number: **SJ4226F1X**

Boring No. B-4

Address:	Drilling Date(s): **3/27-28/07**	Boring diameter (in.): **6**	Casing Material: **NA**
4226 1st Street	Drilling Company: **Gregg**	Sampling Method: **Hand Auger/Split Spoon**	Screen Interval: **NA**
Pleasanton, California	Drilling Method: **HSA**	Well Depth (ft.): **NA**	Screen slot size: **NA**
Logged By: **Andy Persio**	Boring Depth (ft): **35**	Casing Diameter (in.): **NA**	Sand Pack: **NA**



BORING LOG

DELTA Xinogen

Client: **Shell Oil Products US**

Project Number: **SJ4226F1X**

Boring No. **B-5**

Address:	Drilling Date(s): **3/27-28/07**	Boring diameter (in.): **6**	Casing Material: **NA**
4226 1st Street	Drilling Company: **Gregg**	Sampling Method: **Hand Auger/Split Spoon**	Screen Interval: **NA**
Pleasanton, California	Drilling Method: **HSA**	Well Depth (ft.): **NA**	Screen slot size: **NA**
Logged By: **Andy Persio**	Boring Depth (ft): **35**	Casing Diameter (in.): **NA**	Sand Pack: **NA**

Depth (ft.)	Water Level	Soil/Rock Graphic	Sampled Interval	Blow Counts (blows/ft)	Recovery (%)	Soil/Rock Visual Description	PID Reading (ppm)	Boring Completion	Depth (ft.)
0						ASPHALT: 6 inches concrete, 2 inches base rock.			0
						SC: Clayey SAND with gravel, brown, 50-60% fine to medium sand, 20-30% fines, 10-20% gravels up to 1 inch in diameter, dry.			
5					100%		1.7		5
					100%		2.4		
10						(as above, orangish brown, 50-60% fine to medium sand, 35-45% fines, 5-10% gravels up to 0.5 inches in diameter, dry)			10
					100%		0.1		
15						CL: Sandy lean CLAY, dark brown to dark gray, 65-75% fines, 25-35% fine sand, trace gravels up to 0.5 inches in diameter, low plasticity, dry.			15
					100%		6.1		
20						(as above, orangish brown, 60-70% fines, 30-40% fine sand, medium plasticity, dry)			20
					100%		7.4		
25						SC: Clayey SAND, orangish brown, 55-65% fine to medium sand, 35-45% fines, dry.			25
					67%		7.4		
30						SC: Clayey SAND with gravel, dark gray, 50-60% fine to coarse sand, 25-35% fines, 10-20% gravels up to 1.5 inches in diameter, dry.			30
					100%	(as above, orangish brown, 50-60% fine to coarse sand, 35-45% fines, 5-15% gravels up to 1 inch in diameter, moist)	887		
35									35
						Bottom of boring = 35 feet bgs. Note: Sampled to 35 feet bgs.			
40									40

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BORING/WELL LOG
(SB-6)

CLIENT NAME	Equiva Services LLC	BORING/WELL NAME	MW-1
JOB/SITE NAME	ple-4226	DRILLING STARTED	08-Apr-99
LOCATION	4226 First Street, Pleasanton, California	DRILLING COMPLETED	09-Apr-99
PROJECT NUMBER	241-0395	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	371.83 ft
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	371.20 ft
BORING DIAMETER	8"	SCREENED INTERVAL	37.5 to 57.5 ft bgs
LOGGED BY	B. Jakub	DEPTH TO WATER (First Encountered)	42.5 ft (08-Apr-99)
REVIEWED BY	B. Jakub	DEPTH TO WATER (Static)	NA

REMARKS: Hand augered to 5' bgs; located near NW planter/entrance to Shell station on Vineyard and W of SB-7.

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
								ASPHALT.	0.3
								FILL.	1.5
						ML		Sandy SILT; (ML); brown (10YR4/3); very soft; wet; 5% clay, 70% silt, 25% fine to medium grained sand; low plasticity; moderate to low estimated permeability.	4.5
					5	ML		SILT; (ML); dark yellow brown (10YR4/6); stiff; moist; 5% clay, 85% silt, 8% sand, 2% fine grained gravel; low plasticity; low estimated permeability.	9.7
					10	ML		Clayey SILT; (ML); yellow brown (10YR5/8); stiff; damp; 38% clay, 50% silt, 2% fine grained sand, 10% fine to coarse subangular gravel; high plasticity; low estimated permeability.	15.0
<1.0	18 26 30		SB-6 -15.5		15	SP		Clayey Gravelly SAND; (SP); dark greenish gray (5GY4/1); dense; damp; 20% clay, 50% sand, 30% gravel; medium plasticity; low to moderate estimated permeability; wood fragments.	19.3
<1.0	13 11 20		SB-6 - 19.5		20	ML		Sandy SILT with Clay; (ML); olive (5Y4/3); very stiff; damp; 15% clay, 50% silt, 35% very fine grained sand; low plasticity; moderate to low estimated permeability.	24.5
<1.0	20 28 30		SB-6 - 25.0		25	SP		Gravelly SAND with Silt; (SP); olive (5Y4/3); dense; damp; 5% clay, 15% silt, 60% fine to medium grained sand, 20% gravel; no plasticity; high to moderate estimated permeability.	29.0
<1.0	40 43 45		SB-6 - 30.0		30	GP		Sandy GRAVEL; (GP); olive (5Y4/3); very dense; damp; 2% clay, 13% silt, 35% medium grained sand (red grains), 50% fine to coarse, subangular to subrounded gravel (chert); no plasticity; high estimated permeability.	34.0
	20 35				35			Clayey Gravelly SAND; (SP); dark yellow brown	

WELL DIAGRAM: Portland Type I/II; 2" diam., Schedule 40 PVC; Bentonite Seal

Continued Next Page

WELL LOG (TPH-G) G:\PLE4226\GINT\PLE4226.GPJ DEFAULT.GDT 8/11/99

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	BORING/WELL NAME	MW-1
JOB/SITE NAME	ple-4226	DRILLING STARTED	08-Apr-99
LOCATION	4226 First Street, Pleasanton, California	DRILLING COMPLETED	09-Apr-99

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
<1.0	50		SB-6 - 35.0					(10YR4/6); very dense; damp; 20% clay, 10% silt, 40% medium grained sand, 30% fine to coarse grained gravel (sandstone/claystone, serpentinite, some MnO_2/Fe staining); low plasticity; moderate to low estimated permeability.		Monterey Sand #3
	20 45									
<1.0	60/4		SB-6 - 40.0		40	SP				
	25 45 45				45			@ 44' - moist to wet.		2"-diam., 0.020" Slotted Schedule 40 PVC
	32 60/6				50	GC		Clayey GRAVEL with Silt; (GC); dark yellow brown (10YR4/6); very dense; moist to wet; 25% clay, 15% silt, 20% fine to coarse grained sand, 40% fine to coarse grained gravel.	50.0	
	15 40 50				55	MH		Clayey SILT; (MH); light olive brown (2.5Y5/4); hard; damp; 25% clay, 75% silt; medium to high plasticity; very low estimated permeability; black MnO_2 blebs throughout.	55.2 58.0	Bottom of Boring @ 58 ft

WELL LOG (TPH-G) G:\PLE4226\GINT\PLE4226.GPJ, DEFAULT.GDT 8/11/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	BORING/WELL NAME	MW-2
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	18-Jan-00
LOCATION	4226 First Street, Pleasanton, California	DRILLING COMPLETED	19-Jan-00
PROJECT NUMBER	241-0395	WELL DEVELOPMENT DATE (YIELD)	03-Feb-00
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	372.65 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	372.40 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	26 to 46 ft bgs
LOGGED BY	B. Jakub	DEPTH TO WATER (First Encountered)	33.0 ft (18-Jan-00) ▽
REVIEWED BY	S. Bork, RG# 5620	DEPTH TO WATER (Static)	NA ▼
REMARKS	Hand augered to 5' bgs.		

TPHg (ppm)	BLOW COUNTS	SAMPLE ID	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
			ML	**ASPHALT.** Sandy SILT; (ML); dark brown; soft; damp; 3% clay, 80% silt, 15% fine grained sand, 2% gravel; low plasticity; low to moderate estimated permeability; palm tree roots.	0.5
			SM	Silty SAND; (SM); yellow brown; soft; damp; 2% clay, 43% silt, 50% sand, 5% gravel; low plasticity; moderate estimated permeability.	4.0
<1.0		MW-2-6.3'	MH	Clayey SILT; (MH); yellow brown; stiff; damp; 38% clay, 50% silt, 2% fine grained sand, 10% fine to coarse, subangular gravel; high plasticity; low estimated permeability.	5.8
			SM	Silty SAND; (SM); yellow brown; dense; damp; 2% clay, 40% silt, 50% sand, 8% gravel; no plasticity; high estimated permeability.	6.6
			SM	Clayey Silty SAND; (SM); yellow brown; stiff; damp; 15% clay, 30% silt, 50% sand, 5% gravel; low plasticity; moderate estimated permeability.	10.0
			SM	Silty SAND; (SM); yellow brown; dense; damp; 2% clay, 40% silt, 50% sand, 8% gravel; no plasticity; high estimated permeability. @ 12.8' - 10% clay, 38% silt, 50% sand, 8% gravel; moderate estimated permeability.	11.0
			ML	Clayey SILT; (ML); yellowish brown; stiff; damp; 15% clay, 80% silt, 3% sand, 2% gravel; medium plasticity; low estimated permeability.	15.0
<1.0		MW-2-16.5'	SM	Gravelly Silty SAND; (SM); yellow brown; damp; 5% clay, 25% silt, 45% fine to coarse grained sand, 25% gravel to 3/4"; high estimated permeability.	16.5
			SM	Clayey Silty SAND; (SM); yellow brown; damp; 15% clay, 25% silt, 50% sand, 10% fine gravel.	18.2
<1.0		MW-2-21.5'	GM	Sandy Silty GRAVEL; (GM); yellow brown; damp; 10% clay, 30% silt, 20% sand, 40% fine to coarse gravel; chert to 2".	22.0
<1.0		MW-2-26.0'	SM	Gravelly Silty SAND; (SM); very dense; damp; 5% clay, 30% silt, 40% sand, 25% gravel; no to low plasticity; moderate to high estimated permeability.	26.0
<1.0	35 50/6 36 50/6 45 50/6 24	MW-2-30.5'	GM	Clayey Sandy Silty GRAVEL; (GM); dark yellow brown; very dense; damp; 15% clay, 15% silt, 20% sand, 50% fine to coarse gravel; low plasticity; moderate estimated permeability. @ 31.7' - color change to dark greenish gray; chert to 2". ▽	30.0
			GC	Sandy Clayey GRAVEL; (GC); very dense; wet to saturated; 25% clay, 15% silt, 20% sand, 40% gravel.	33.5

WELL DIAGRAM: 4" diam., Schedule 40 PVC; Portland Type I/II; Bentonite Seal; Lonestar Sand #3

Continued Next Page

WELL LOG (SHELL) G:\PLEASA~4\GINT\PLE4226.GPJ DEFAULT.GDT 6/23/00

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-2
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	18-Jan-00
LOCATION	4226 First Street, Pleasanton, California	**DRILLING COMPLETED**	19-Jan-00

Continued from Previous Page

TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
<1.0	50/6 40 50/6 35 50/6 50/6 37 50/6 29 50/6 27 50/6 26 50/6 12 18 27	MW-2-35.0'		40 45	GC ML ML ML		**Sandy Clayey GRAVEL**; (GC); very dense; wet to saturated; 25% clay, 15% silt, 20% sand, 40% gravel. **Sandy Gravelly SILT**; (ML); hard; saturated; 12% clay, 58% silt, 15% sand, 15% gravel; medium plasticity; low estimated permeability. **Sandy Clayey SILT**; (ML); hard; saturated; 15% clay, 60% silt, 15% sand, 10% gravel. **Sandy SILT**; (ML); hard; saturated; 12% clay, 45% silt, 43% fine grained sand; slight plasticity ; low estimated permeability.	40.3 43.5 45.0 48.0	4"-diam., 0.020" Slotted Schedule 40 PVC Bottom of Boring @ 48 ft

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	BORING/WELL NAME	MW-3
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	18-Jan-00
LOCATION	4226 First Street, Pleasanton, California	DRILLING COMPLETED	19-Jan-00
PROJECT NUMBER	241-0395	WELL DEVELOPMENT DATE (YIELD)	03-Feb-00
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	375.90 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	375.05 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	20 to 35 ft bgs
LOGGED BY	B. Jakub	DEPTH TO WATER (First Encountered)	25.0 ft (18-Jan-00)
REVIEWED BY	S. Bork, RG# 5620	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5' bgs.		

TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
			0		**ASPHALT.**	0.5
				ML	**SILT**; (ML); brown; soft; damp; 2% clay, 90% silt, 7% fine grained sand, 1% gravel; no plasticity; moderate to low estimated permeability.	
<1.0	14 28 40	MW-3-5.0'	5	SM	**Silty SAND**; (SM); yellow brown; dense; damp; 2% clay, 43% silt, 55% sand.	5.3 5.8
					Clayey SILT; (ML); yellow brown; hard; wet; 15% clay, 60% silt, 5% sand, 10% fine to coarse, subangular gravel; medium plasticity; low estimated permeability.	
<1.0	26 50/6	MW-3-10.5'	10	ML		
<1.0	42 50/6	MW-3-15.5'	15		**Gravelly Silty SAND**; (SM); yellow brown; very dense; 5% clay, 20% silt, 60% fine grained sand, 15% fine, subangular to subrounded gravel.	15.0
<1.0	13 24 50/6	MW-3-20.5'	20	SM	@ 22' - silt layer noted by driller.	
<1.0	12 22 30	MW-3-25.5'	25	SM	**Clayey Silty SAND**; (SM); yellow brown; dense; wet to saturated; 15% clay, 35% silt, 40% fine grained sand, 10% fine to coarse, subangular gravel; low plasticity; low estimated permeability.	25.0
	50/6		30	GM	**Sandy Silty GRAVEL**; (GM); very dense; 5% clay, 30% silt, 25% sand, 40% gravel; low plasticity; moderate estimated permeability.	30.0
			35			35.0

WELL DIAGRAM: 4" diam., Schedule 40 PVC; Portland Type I/II; Bentonite Seal; Lonestar Sand #3; 4"-diam., 0.020" Slotted Schedule 40 PVC

WELL LOG (SHELL) G:\PLEASA-4\GINT\PLE4226.GPJ DEFAULT.GDT 6/23/00

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-3
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	18-Jan-00
LOCATION	4226 First Street, Pleasanton, California	**DRILLING COMPLETED**	19-Jan-00

Continued from Previous Page

TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
	15 36 48				ML		SILT; (ML); light brown; hard; 10% clay, 80% silt, 10% sand; low plasticity; low estimated permeability.		Bentonite Seal
	15 25 42			40	ML		Clayey SILT; (ML); hard; 20% clay, 70% silt, 10% fine grained sand; medium plasticity; low estimated permeability.	40.0 41.5	Bottom of Boring @ 41.5 ft

WELL LOG (SHELL) G:\PLEASA~4\GINT\PLE4226.GPJ DEFAULT.GDT 6/23/00

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Project No:	Sj42-26F-1	Client:	Shell Oil Products US	Boring No: WO-1
Logged By:	Heather Buckingham	Location:	4226 First Street, Pleasanton	Page 1 of 2
Driller:	Gregg	Date Drilled:	6/10/2005	
Drilling Method:	Direct Push	Hole Diameter:	3"	
Sampling Method:	GeoProbe	Hole Depth:	37 ft	
Casing Type:		Well Diameter:		
Slot Size:		Well Depth:		
Gravel Pack:		Casing Stickup:		
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout								AF	Asphalt ~4"
		damp		hand augered	1			CL	**Sandy Lean CLAY**: medium brown; 30-40% fine to coarse grained sand; soft; low plasticity
					2				
					3				
					4				
					5				(same as above, orangish brown; trace gravels)
					6				
					7			CL	**Sandy Lean CLAY with Gravels**: orangish brown; 55-65% fines; 35-45% fine grained sand; 15-20% rounded gravels up to ~4 mm in length
					8				
					9				
			0.1		10				
					11				(same as above, trace coarse grained sand)
					12				
					13				
					14				
			0.1		15				
					16			CL	**Sandy Lean CLAY**: same as above, trace gravels
					17				
		moist			18			CL	**Sandy Lean CLAY with Gravels**: same as above; gravels up to ~0.5 cm in length
					19				
			0.1		20				
					21			CL	**Sandy Lean CLAY**: same as above, dark gray mottling
					22				**Sandy Lean CLAY with Gravels**: same as above, dark gray mottling
								CL	

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Project No:	SJ42-26F-1	Client:	Shell Oil Products US	Boring No: WO-1	
Logged By:	Heather Buckingham	Location:	4226 First Street, Pleasanton	Page 2 of 2	
Driller:	Gregg	Date Drilled:	6/10/2005	Location Map	
Drilling Method:	Direct Push	Hole Diameter:	3"	Please see site map	
Sampling Method:	GeoProbe	Hole Depth:	37 ft		
Casing Type:		Well Diameter:			
Slot Size:		Well Depth:			
Gravel Pack:		Casing Stickup:			
Elevation		Northing		Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout								CL	**Sandy Lean CLAY with Gravels** (Continued)
					23			SC	**Clayey SAND**: orange brown; ~70% poorly graded fine grained sand; ~30% fines
		wet moist			24			CL	**Sandy Lean CLAY with Gravels**: same as above
			0.1		25				
					26				
					27			GW	**Well-graded GRAVEL with Sand**: orange brown; 10% fines; 30% coarse grained sand; 60% well graded sub-angular gravels
					28				
					29			CL	**Sandy Lean CLAY with Gravel**: same as above
					30				
			0.1		31			GW	**Well-graded GRAVEL with Silt**: orange tan; 10-20% silt; sub-angular gravels up to 0.5 cm in length
					32			GW	**Well-graded GRAVEL with Sand**: orange brown; ~40% coarse grained sand; 55-60% sub-rounded gravels; trace fines
					33			GW	**Well-graded GRAVEL with Clay**: orange brown; 20-30% clay; 80-70% sub-angular gravel up to 0.5 cm in length; trace coarse grained sand
					34				
					35				
			5.7		36				
					37				**Refusal at 37 feet below grade.** Hole remained dry after three hour wait.
					38				
					39				
					40				
					41				
					42				
					43				
					44				

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Project No:	SJ42-26F-1	Client:	Shell Oil Products US	Well No: MW-1B
Logged By:	AP	Location:	4226 First Street	Page 1 of 6
Driller:	Gregg	Date Drilled:	8/23/2006	
Drilling Method:	HSA/AK (7')	Hole Diameter:	12"	
Sampling Method:	SS	Hole Depth:	108'	
Casing Type:	sch 40 PVC	Well Diameter:	4"	
Slot Size:	0.01	Well Depth:	108'	
Gravel Pack:	#2/12 sand	Casing Stickup:	-	

Location Map

Please see site map

Elevation	Northing	Easting

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout				air knifed & hand augered	1			AF	~4" asphalt, ~8" baserock
					2				See Cambria's MW-1 boring log (attached) for soil lithology between 1 and 58.5 feet bg
					3				
					4				
					5				
					6				
					7				
					8				
					9				
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				

Delta

Environmental Consultants, Inc.

Project No:	SJ42-26F-1	Client:	Shell Oil Products US	Well No: MW-1B
Logged By:	AP	Location:	4226 First Street	Page 2 of 6
Driller:	Gregg	Date Drilled:	8/23/2006	
Drilling Method:	HSA/AK (7')	Hole Diameter:	12"	
Sampling Method:	SS	Hole Depth:	108'	
Casing Type:	sch 40 PVC	Well Diameter:	4"	
Slot Size:	0.01	Well Depth:	108'	
Gravel Pack:	#2/12 sand	Casing Stickup:	-	

Location Map

Please see site map

Elevation	Northing	Easting

Well Completion: Backfill	Well Completion: Casing	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout						21				
						22				
						23				
						24				
						25				
						26				
						27				
						28				
						29				
						30				
						31				
						32				
						33				
						34				
						35				
						36				
						37				
						38				
						39				
						40				

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Project No:	SJ42-26F-1	Client:	Shell Oil Products US	Well No: MW-1B	
Logged By:	AP	Location:	4226 First Street	Page 3 of 6	
Driller:	Gregg	Date Drilled:	8/23/2006	Location Map	
Drilling Method:	HSA/AK (7')	Hole Diameter:	12"	Please see site map	
Sampling Method:	SS	Hole Depth:	108'		
Casing Type:	sch 40 PVC	Well Diameter:	4"		
Slot Size:	0.01	Well Depth:	108'		
Gravel Pack:	#2/12 sand	Casing Stickup:	-		
Elevation		Northing		Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout					41				
					42				
					43				
					44				
					45				
					46				
					47				
					48				
					49				
					50				
					51				
					52				
					53				
					54				
					55				
					56				
					57				
					58				
		dry	8.1	14 16 21	59 60			ML	**SILT**: mottled yellow brown and orangish brown, hard, 80-90% fines, <10% fine to very fine grained sands, low plasticity

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Project No:	SJ42-26F-1	Client:	Shell Oil Products US	Well No: MW-1B
Logged By:	AP	Location:	4226 First Street	Page 4 of 6
Driller:	Gregg	Date Drilled:	8/23/2006	
Drilling Method:	HSA/AK (7')	Hole Diameter:	12"	
Sampling Method:	SS	Hole Depth:	108'	
Casing Type:	sch 40 PVC	Well Diameter:	4"	
Slot Size:	0.01	Well Depth:	108'	
Gravel Pack:	#2/12 sand	Casing Stickup:	-	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery / Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout					61		ML	SILT (cont.)
					62			
					63			
				10	64			
		dry	11.5	12				
				14	65			
					66			
					67			
					68			
				11	69			
		dry	10.9	16				
				18	70			
					71			
					72			
					73			
				11	74			
		dry	9.9	13				
				17	75			
					76			
					77			
					78			
				11	79			(80-90% fines, <10% very fine grained sands,
		dry	9.1	13				medium plasticity)
				16	80			

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Project No:	SJ42-26F-1	Client:	Shell Oil Products US	Well No: MW-1B
Logged By:	AP	Location:	4226 First Street	Page 5 of 6
Driller:	Gregg	Date Drilled:	8/23/2006	
Drilling Method:	HSA/AK (7')	Hole Diameter:	12"	
Sampling Method:	SS	Hole Depth:	108'	
Casing Type:	sch 40 PVC	Well Diameter:	4"	
Slot Size:	0.01	Well Depth:	108'	
Gravel Pack:	#2/12 sand	Casing Stickup:	-	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout								ML	SILT (cont.)
					81				
					82				
					83				
		dry	9.2	10 14 18	84 85			ML	**SILT with Sand**: mottled yellow brown and orange brown, hard, 70-80% fines, 20-30% very fine to fine grained sands, low to no plasticity
					86				
					87				
					88				
		moist	9.9	10 16 21	89 90				(15-25% very fine grained sands)
					91				
					92				
					93				
		dry	11.9	13 16 20	94 95				(20-30% very fine grained sands)
Bentonite					96				
					97				
					98				
Sand		wet	8.1	11 16 20	99 100			SC	**Clayey SAND with Gravel**: brown, dense, 10-20% fines, 20-30% gravels up to 1" diameter, 60-70% medium to coarse grained sands (mostly coarse grained)

Delta
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Project No:	SJ42-26F-1	Client:	Shell Oil Products US	Well No: MW-1B
Logged By:	AP	Location:	4226 First Street	Page 6 of 6
Driller:	Gregg	Date Drilled:	8/23/2006	
Drilling Method:	HSA/AK (7')	Hole Diameter:	12"	
Sampling Method:	SS	Hole Depth:	108'	
Casing Type:	sch 40 PVC	Well Diameter:	4"	
Slot Size:	0.01	Well Depth:	108'	
Gravel Pack:	#2/12 sand	Casing Stickup:	-	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Sand					101			SC	**Clayey SAND with Gravel** (cont.)
					102				
					103				
				13	104				(30-40% fines, 40-60% fine to coarse graines sands,
		wet	0.7	17					10-20% gravels up to 1" diameter)
				19	105				
					106				
				13	107				(25-35% fines, 55-65% sand, 10-20% gravels up to
		wet	0.8	17					2" diameter)
				20	108				
									Bottom of boring at 108 feet bg
					109				
					110				
					111				
					112				
					113				
					114				
					115				
					116				
					117				
					118				
					119				
					120				

Delta
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Project No:	SJ42-26F-1	Client:	Shell Oil Products US	Well No: MW-4
Logged By:	AP	Location:	4226 First Street	Page 1 of 3
Driller:	Gregg	Date Drilled:	8/24/2006	
Drilling Method:	HSA/AK (7')	Hole Diameter:	12"	
Sampling Method:	SS	Hole Depth:	50'	
Casing Type:	sch 40 PVC	Well Diameter:	4"	
Slot Size:	0.01	Well Depth:	47'	
Gravel Pack:	#2/12 sand	Casing Stickup:	-	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Grout				air knifed & hand augered	1			AF	~4" asphalt, ~8" baserock
					2				
					3				
					4				
					5				
					6				
					7				
					8				
		dry	0.1	3	9			SC	**Clayey SAND with Gravel**: dark brown to orangish brown,
				4					loose, 60-70% fine to coarse grained sands, 20-30% fines,
				5	10				10-20% gravels up to 1" diameter
					11				
					12				
					13			CL	**Sandy Lean CLAY**: orangish brown, very stiff, 5-10%
				6					gravels up to 1" diameter, 35-45% fine grained sands,
		moist	7.4	8	14				50-60% fines, low plasticity
				12	15				
					16				
					17				
					18			SC	
				7	19				**Clayey SAND**: orangish brown, medium dense, 20-30%
		moist	2	11					fines, 70-80% fine grained sands, trace gravels up to 0.5"
				11	20				diameter, low plasticity

Delta
Environmental Consultants, Inc.

Project No:	SJ42-26F-1	Client:	Shell Oil Products US	Well No: MW-4
Logged By:	AP	Location:	4226 First Street	Page 2 of 3
Driller:	Gregg	Date Drilled:	8/24/2006	
Drilling Method:	HSA/AK (7')	Hole Diameter:	12"	
Sampling Method:	SS	Hole Depth:	50'	
Casing Type:	sch 40 PVC	Well Diameter:	4"	
Slot Size:	0.01	Well Depth:	47'	
Gravel Pack:	#2/12 sand	Casing Stickup:	-	
Elevation		Northing		Easting

Location Map

Please see site map

Well Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill / Casing								SC	Clayey SAND (cont.)
					21				
					22				
					23				
				6	24			SP-	**Poorly Graded SAND with Clay**: brown, medium dense,
		moist	4.1	8				SC	5-15% fines, 85-95% fine grained sands
				9	25				
Grout					26				
					27				
					28				
				11	29			SC	**Clayey SAND with Gravel**: brown, medium dense, 20-30%
		moist	7.2	13					fines, 10-20% gravels up to 0.5" diameter, 50-70% fine to
				17	30				coarse grained sands
					31				
					32				
					33				
	▼			10	34			CL	**Sandy lean CLAY with Gravel**: brown, hard, 10-20%
Bentonite		moist	340	16					gravels up to 1" diameter, 20-30% fine grained sands
				20	35				(mostly in small inclusions or lenses), 50-70% fines,
				12					low plasticity
		moist	555	14	36				
				17	37				
Sand					38				
				13	39				(orangish brown w/grey mottling, 15-25% gravels up
		moist	762	17					to 1" diameter, 20-30% fine grained sands, 45-65%
				20	40				fines, low plasticity)

Delta
Environmental Consultants, Inc.

Project No:	SJ42-26F-1	Client:	Shell Oil Products US	Well No: MW-4	
Logged By:	AP	Location:	4226 First Street	Page 3 of 3	
Driller:	Gregg	Date Drilled:	8/24/2006	Location Map	
Drilling Method:	HSA/AK (7')	Hole Diameter:	12"	Please see site map	
Sampling Method:	SS	Hole Depth:	50'		
Casing Type:	sch 40 PVC	Well Diameter:	4"		
Slot Size:	0.01	Well Depth:	47'		
Gravel Pack:	#2/12 sand	Casing Stickup:	-		
Elevation		Northing		Easting	

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
Sand					41			CL	sandy lean CLAY w/gravel (cont.)
					42				
					43				
		moist	106	14 17 24	44				no grey mottling, 10-20% gravels, 20-30% fine grained sands, 50-70% fines
	▽				45				
					46				
					47				
Bentonite					48			CL	sandy lean CLAY: orangish brown, hard, 35-45% fine grained sands, 55-65% fines, low plasticity
		wet	27	11 17 20	49				
					50				Bottom of the boring is at 50 feet bg
					51				
					52				
					53				
					54				
					55				
					56				
					57				
					58				
					59				
					60				

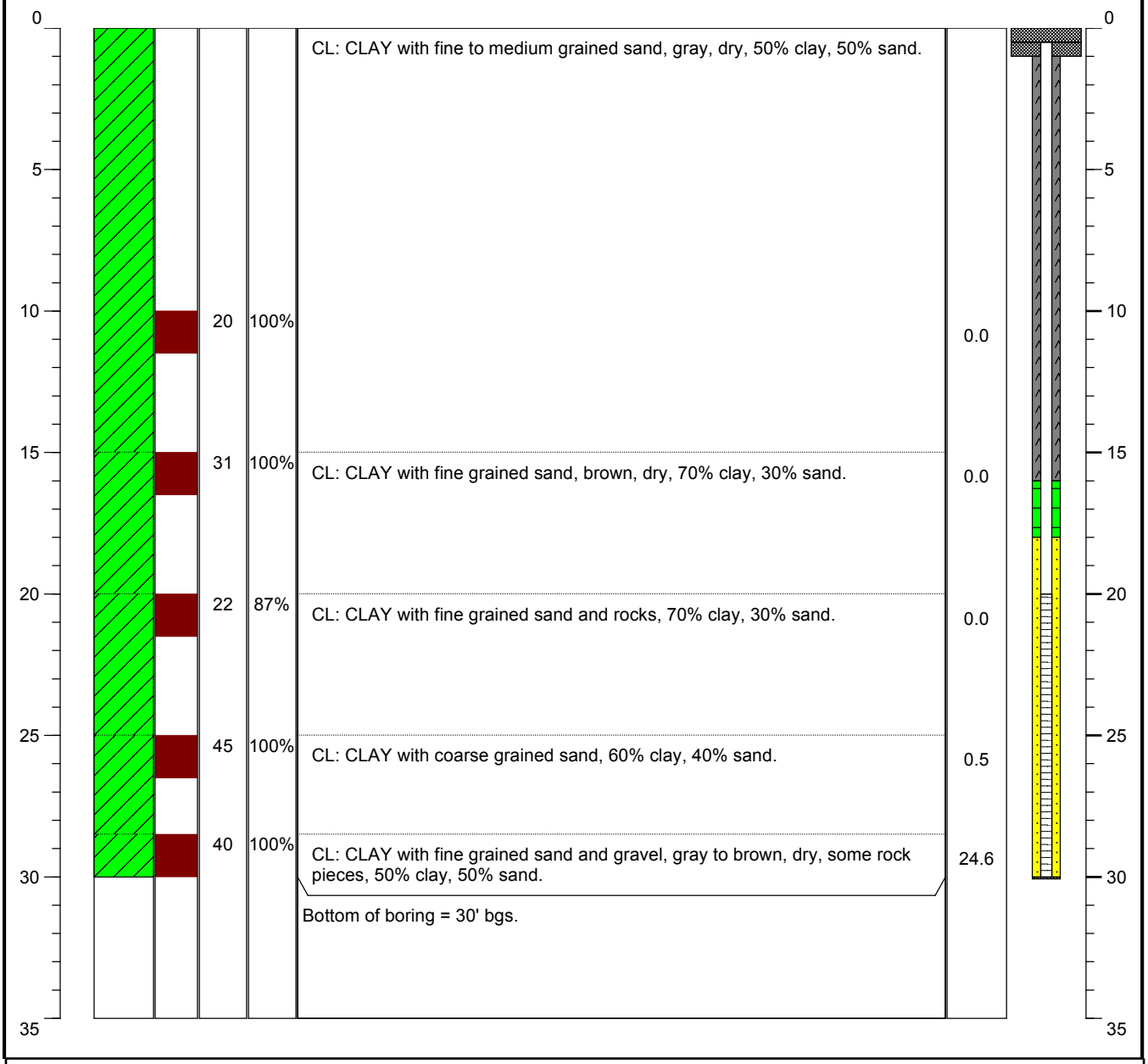
BORING LOG

Client Shell Oil Products US

Project Number SCA421211A

Well No. SVE-1

Address:	Drilling Date(s): **01/14/10**	Boring diameter (in.): **10"**	Casing Material: **Sch 40 PVC**
4212 First Street	Drilling Company: **RSI**	Sampling Method: **Split Spoon**	Screen Interval: **20' - 30' bgs**
Pleasanton, CA	Drilling Method: **HSA**	Well Depth (ft.): **30'**	Screen slot size: **0.020"**
Logged By: **Cora Olsun**	Boring Depth (ft): **30'**	Casing Diameter (in.): **4"**	Sand Pack: **2/12**



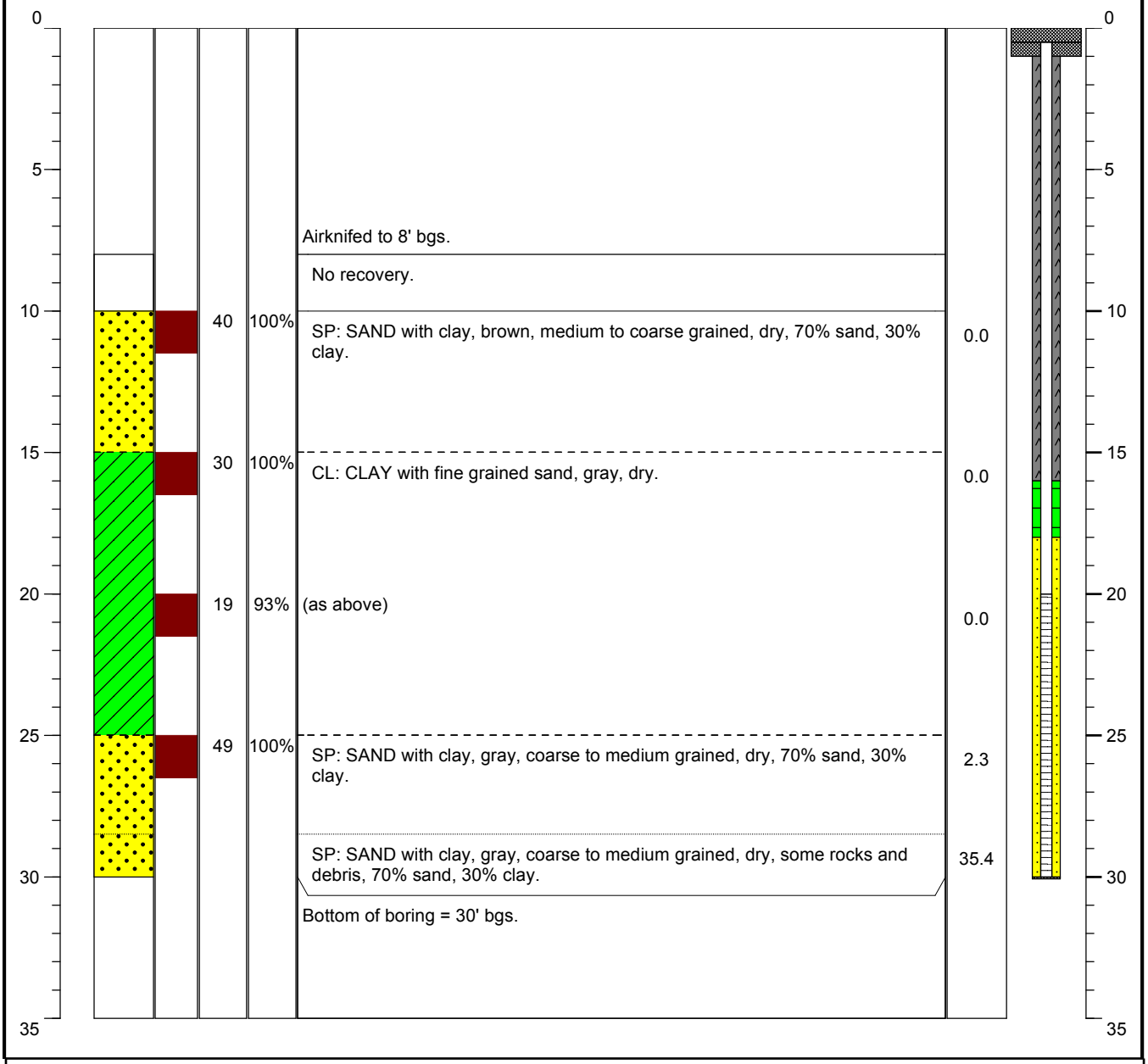
BORING LOG

Client Shell Oil Products US

Project Number SCA421211A

Well No. SVE-2

Address:	Drilling Date(s): **01/12/10**	Boring diameter (in.): **10"**	Casing Material: **Sch 40 PVC**
4212 First Street	Drilling Company: **RSI**	Sampling Method: **Split Spoon**	Screen Interval: **20' - 30' bgs**
Pleasanton, CA	Drilling Method: **HSA**	Well Depth (ft.): **30'**	Screen slot size: **0.020"**
Logged By: **Cora Olsun**	Boring Depth (ft): **30'**	Casing Diameter (in.): **4"**	Sand Pack: **2/12**



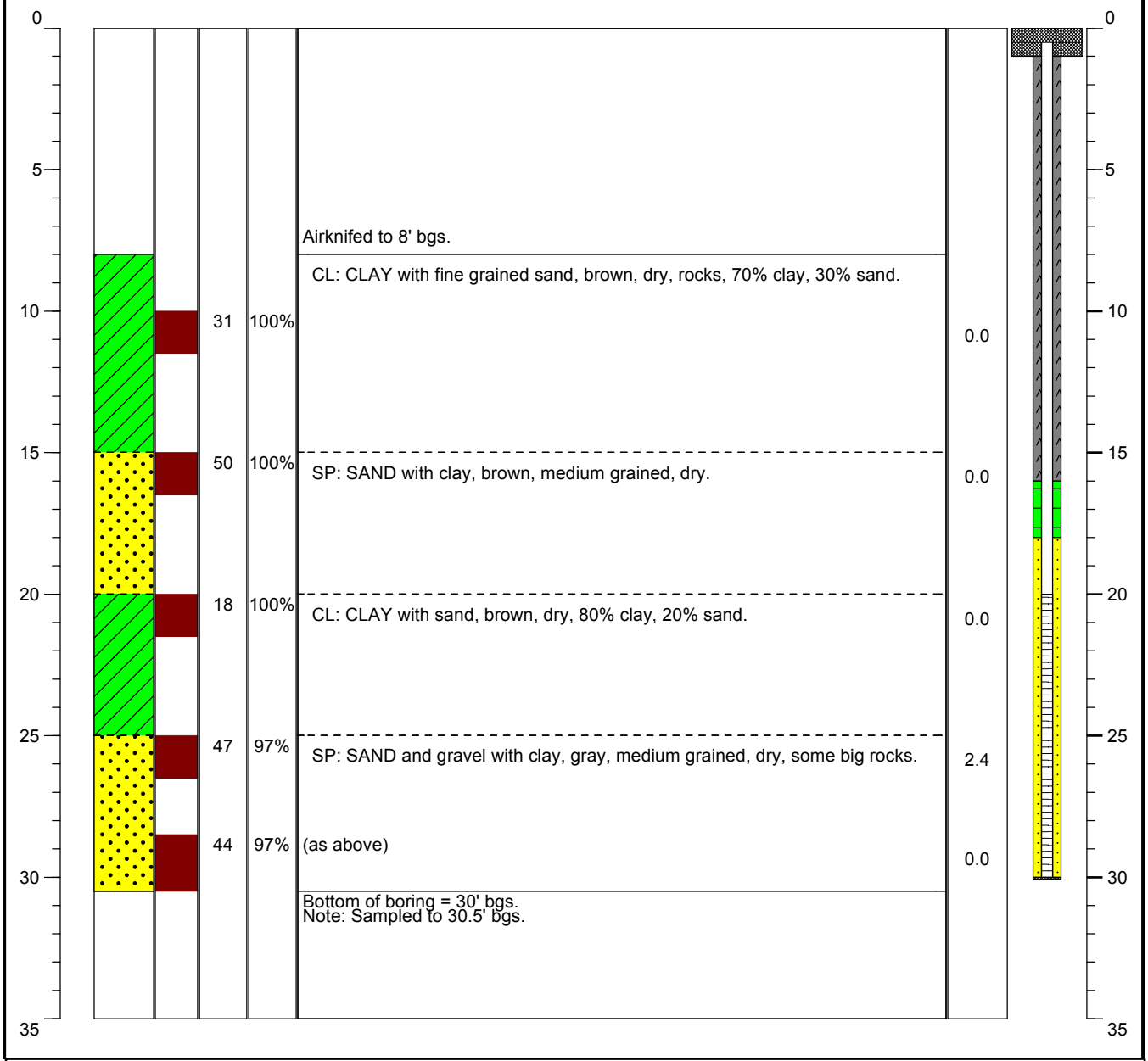
BORING LOG

Client Shell Oil Products US

Project Number SCA421211A

Well No. SVE-3

Address:	Drilling Date(s): **01/12/10**	Boring diameter (in.): **10"**	Casing Material: **Sch 40 PVC**
4212 First Street	Drilling Company: **RSI**	Sampling Method: **Split Spoon**	Screen Interval: **20' - 30' bgs**
Pleasanton, CA	Drilling Method: **HSA**	Well Depth (ft.): **30'**	Screen slot size: **0.020"**
Logged By: **Cora Olsun**	Boring Depth (ft): **30'**	Casing Diameter (in.): **4"**	Sand Pack: **2/12**



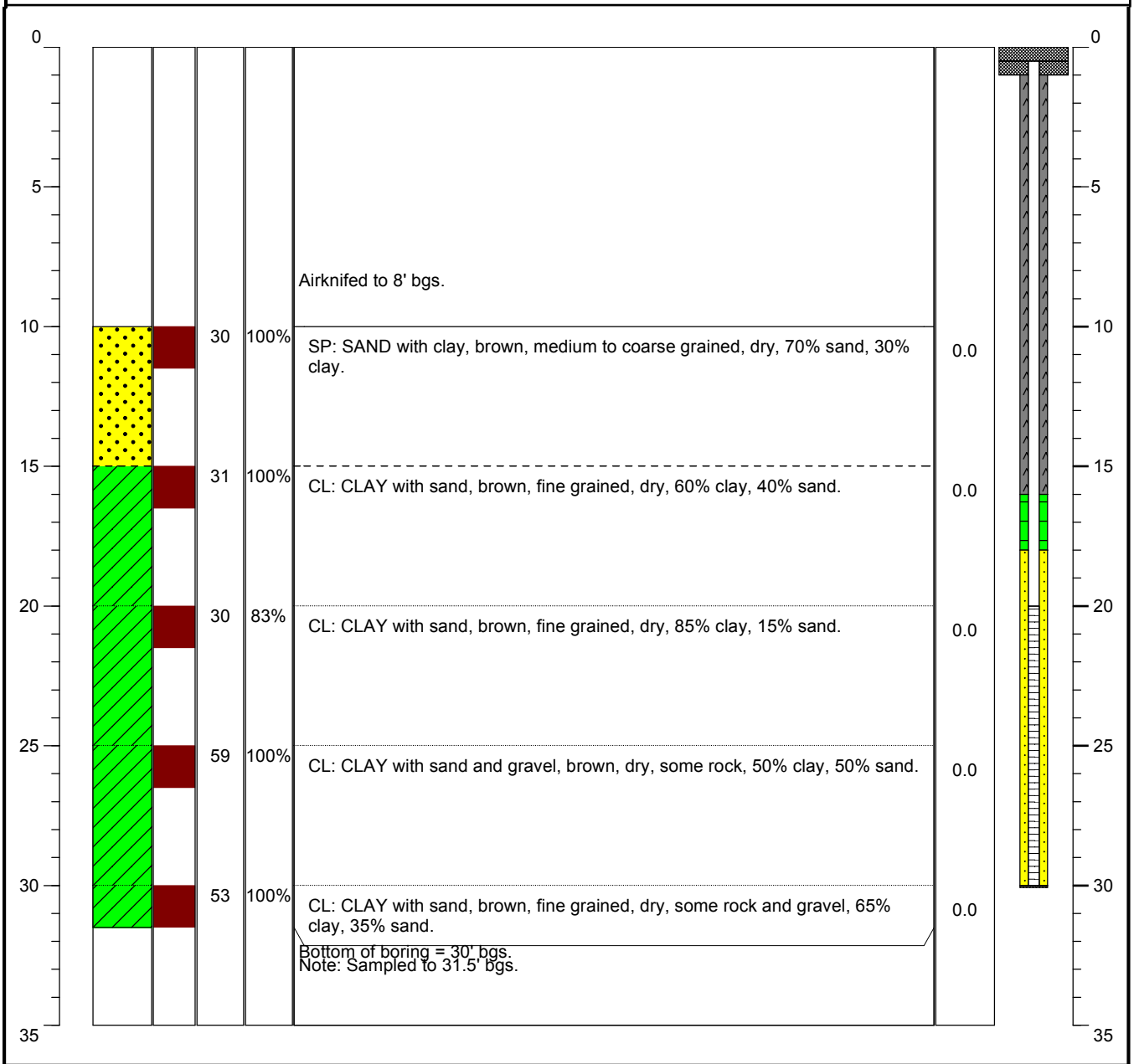
BORING LOG

Client Shell Oil Products US

Project Number SCA421211A

Well No. SVE-4

Address:	Drilling Date(s): **01/13/10**	Boring diameter (in.): **10"**	Casing Material: **Sch 40 PVC**
4212 First Street	Drilling Company: **RSI**	Sampling Method: **Split Spoon**	Screen Interval: **20' - 30' bgs**
Pleasanton, CA	Drilling Method: **HSA**	Well Depth (ft.): **30'**	Screen slot size: **0.020"**
Logged By: **Cora Olsun**	Boring Depth (ft): **30'**	Casing Diameter (in.): **4"**	Sand Pack: **2/12**



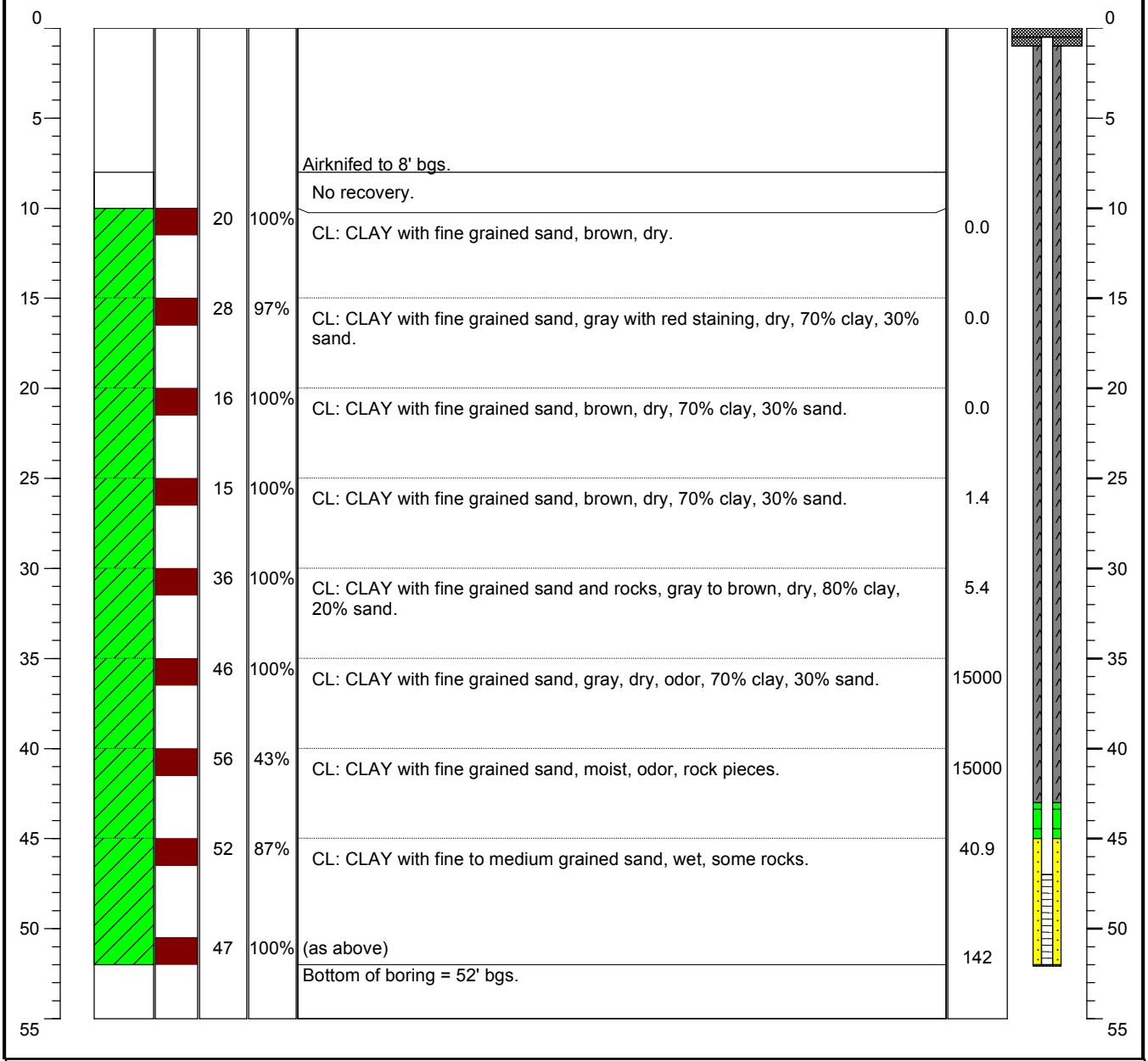
BORING LOG

Client Shell Oil Products US

Project Number SCA421211A

Well No. AS-10

Address:	Drilling Date(s): **01/14/10**	Boring diameter (in.): **8"**	Casing Material: **Sch 40 PVC**
4212 First Street	Drilling Company: **RSI**	Sampling Method: **Split Spoon**	Screen Interval: **47' - 52' bgs**
Pleasanton, CA	Drilling Method: **HSA**	Well Depth (ft.): **52'**	Screen slot size: **0.020"**
Logged By: **Cora Olsun**	Boring Depth (ft): **52'**	Casing Diameter (in.): **2"**	Sand Pack: **2/12**



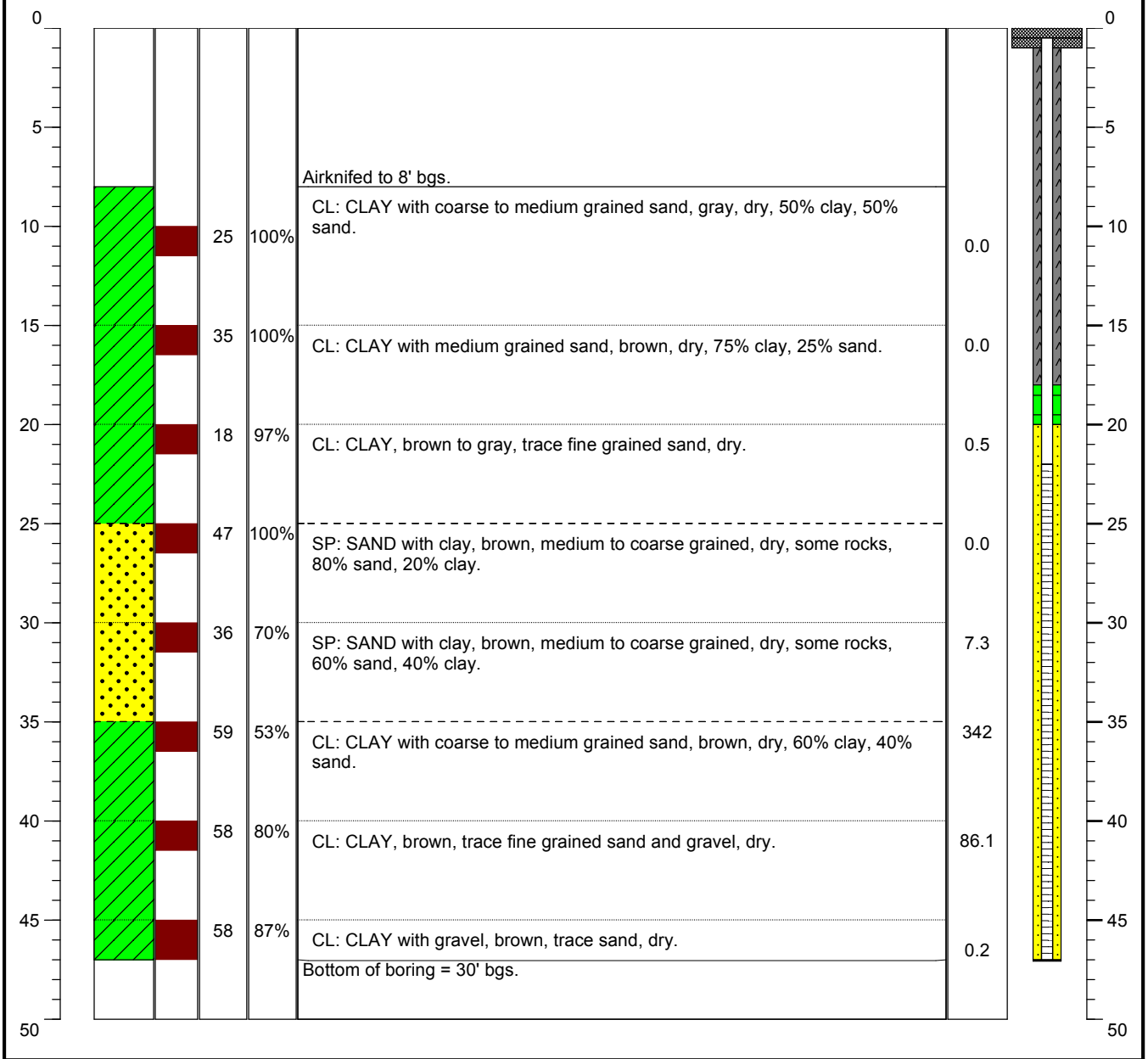
BORING LOG

Client Shell Oil Products US

Project Number SCA421211D

Well No. OBS-1

Address:	Drilling Date(s): **01/13/10**	Boring diameter (in.): **10"**	Casing Material: **Sch 40 PVC**
4212 First Street	Drilling Company: **RSI**	Sampling Method: **Split Spoon**	Screen Interval: **22' - 47' bgs**
Pleasanton, CA	Drilling Method: **HSA**	Well Depth (ft.): **47'**	Screen slot size: **0.020"**
Logged By: **Cora Olsun**	Boring Depth (ft): **47'**	Casing Diameter (in.): **4"**	Sand Pack: **2/12**



APPENDIX C

FIRST QUARTER 2010 GROUNDWATER MONITORING TABLE AND FIGURES

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

March 2, 2010

Denis Brown
Shell Oil Products US
2095 South Wilmington Avenue
Carson, CA 90810

First Quarter 2010 Groundwater Monitoring at
Shell-branded Service Station
4212 First Street
Pleasanton, CA

Monitoring performed on February 11, 2010

Groundwater Monitoring Report **100211-DR-1**

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

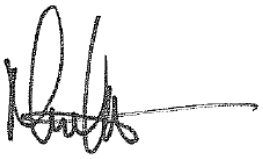
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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

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

Please call if you have any questions.

Yours truly,



Mike Ninokata
Project Manager

MN/np

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

cc: Suzanne McClurkin-Nelson
Delta Environmental
175 Bernal Rd., Suite 200
San Jose, CA 95119

WELL CONCENTRATIONS
Shell-branded Service Station
4212 First Street
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	06/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	371.20	37.81	333.39
MW-1	06/30/1999	89.0	5.89	<0.500	<0.500	0.652	<5.00	NA	NA	NA	NA	NA	371.20	33.65	337.55
MW-1	09/24/1999	1,560	473	<10.0	<10.0	22.8	<2.50	NA	NA	NA	NA	NA	371.20	37.04	334.16
MW-1	12/08/1999	1,020	375	<5.00	<5.00	15.2	<50.0	NA	NA	NA	NA	NA	371.20	36.79	334.41
MW-1	02/10/2000	523	106	<5.00	<5.00	31.8	2.9	NA	NA	NA	NA	NA	371.20	34.90	336.30
MW-1	05/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	37	29.5	NA	NA	NA	NA	371.20	32.55	338.65
MW-1	08/03/2000	808	290	<2.50	<2.50	8.9	<12.5	NA	NA	NA	NA	NA	371.20	39.13	332.07
MW-1	10/31/2000	507	250	0.962	<0.500	23.5	3.76	NA	NA	NA	NA	NA	371.20	37.91	333.29
MW-1	03/01/2001	<50.0	<0.500	<0.500	<0.500	<0.500	74.6	NA	NA	NA	NA	NA	371.20	39.60	331.60
MW-1	05/30/2001	780	280	<2.0	<2.0	11	NA	<2.0	NA	NA	NA	NA	371.20	39.53	331.67
MW-1	08/02/2001	1,900	580	<2.5	<2.5	12	NA	<25	NA	NA	NA	NA	371.20	39.61	331.59
MW-1	12/06/2001	840	190	<0.50	<0.50	13	NA	<5.0	NA	NA	NA	NA	371.20	39.63	331.57
MW-1	02/05/2002	2,700	650	<2.5	<2.5	7.2	NA	<25	NA	NA	NA	NA	371.20	35.53	335.67
MW-1	06/17/2002	2,500	550	<2.0	<2.0	5.9	NA	<20	NA	NA	NA	NA	371.20	39.29	331.91
MW-1	07/25/2002	690	130	<0.50	<0.50	4.4	NA	18	NA	NA	NA	NA	371.20	39.39	331.81
MW-1	11/14/2002	400	31	<0.50	<0.50	2.7	NA	27	NA	NA	NA	NA	371.20	40.00	331.20
MW-1	02/12/2003	840	0.85	<0.50	<0.50	<0.50	NA	40	NA	NA	NA	NA	371.20	32.92	338.28
MW-1	05/14/2003	680	190	<2.5	<2.5	<5.0	NA	95	NA	NA	NA	NA	371.20	32.57	338.63
MW-1	07/29/2003	870	190	<2.5	<2.5	<5.0	NA	150	NA	NA	NA	NA	371.20	33.82	337.38
MW-1	11/19/2003	<200	14	<2.0	<2.0	<4.0	NA	230	NA	NA	NA	NA	371.20	38.28	332.92
MW-1	02/19/2004	58 d	11	<0.50	<0.50	<1.0	NA	85	NA	NA	NA	NA	371.20	36.93	334.27
MW-1	05/03/2004	670	310	<2.5	<2.5	<5.0	NA	420	NA	NA	NA	NA	371.20	32.70	338.50
MW-1	08/24/2004	430 d	34	<2.5	<2.5	<5.0	NA	690	NA	NA	NA	NA	371.20	34.66	336.54
MW-1	11/15/2004	<250	29	<2.5	<2.5	<5.0	NA	470	NA	NA	NA	NA	371.20	38.27	332.93
MW-1	02/02/2005	540 e	87	<2.5	<2.5	<5.0	NA	700	NA	NA	NA	NA	371.20	32.02	339.18
MW-1	05/05/2005	460 e	88	<2.5	<2.5	<5.0	NA	300	NA	NA	NA	NA	371.20	36.82	334.38

WELL CONCENTRATIONS
Shell-branded Service Station
4212 First Street
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	08/05/2005	910	230	<2.5	<2.5	<5.0	NA	480	NA	NA	NA	NA	371.20	33.35	337.85
MW-1	11/22/2005	1,760	27	<0.500	<0.500	1	NA	1,160	NA	NA	NA	NA	371.20	33.42	337.78
MW-1	02/07/2006	4,620	225	<0.500	<0.500	<0.500	NA	1,480	NA	NA	NA	NA	371.20	31.63	339.57
MW-1	05/16/2006	1,100	130	<0.50	2	2	NA	1,600	NA	NA	NA	NA	371.20	31.16	340.04
MW-1	08/21/2006	2,700	86	<0.500	1	1	NA	1,960	NA	NA	NA	NA	371.20	33.07	338.13
MW-1	11/14/2006	1,400 g	30	<25	<25	<25	NA	2,100	<25	<25	<25	<1,000	371.20	33.73	337.47
MW-1	02/01/2007	800	21	<0.50	<0.50	<1.0	NA	2,300	NA	NA	NA	NA	371.20	33.02	338.18
MW-1	06/01/2007	1,400 j,k	68	<20	<20	4.4 l	NA	2,200	NA	NA	NA	NA	371.20	32.87	338.33
MW-1	08/22/2007	250 j	20	<20	<20	<20	NA	3,100	NA	NA	NA	1,500	371.20	34.64	336.56
MW-1	11/26/2007	1,800 j	33	<20	<20	<20	NA	3,100	<40	<40	<40	930	371.20	35.59	335.61
MW-1	02/19/2008	1,800 j	33	<20	<20	<20	NA	3,700	NA	NA	NA	1,700	371.20	31.05	340.15
MW-1	05/23/2008	3,700	100	<25	<25	<25	NA	3,100	NA	NA	NA	1,300	371.20	31.80	339.40
MW-1	08/07/2008	4,200	33	<25	<25	<25	NA	3,500	NA	NA	NA	<250	371.20	33.03	338.17
MW-1	12/03/2008	3,400	34	<25	<25	<25	NA	3,200	NA	NA	NA	980	371.20	35.19	336.01
MW-1	02/05/2009	2,100	26	<25	<25	<25	NA	1,700	NA	NA	NA	340	371.20	35.07	336.13
MW-1	05/07/2009	4,400	230	<25	<25	<25	NA	3,700	NA	NA	NA	980	371.20	32.45	338.75
MW-1	08/20/2009	3,100	86	<25	<25	<25	NA	2,500	NA	NA	NA	730	371.20	34.48	336.72
MW-1	11/09/2009	3,200	230	<20	<20	33	NA	2,100	<40	<40	<40	530	371.20	35.84	335.36
MW-1	**02/11/2010**	**4,400**	**30**	**<20**	**<20**	**<20**	**NA**	**3,000**	**NA**	**NA**	**NA**	**730**	**371.20**	**34.06**	**337.14**
MW-1B	09/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	371.67	76.94	294.73
MW-1B	09/28/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	21	NA	NA	NA	<20	371.67	77.15	294.52
MW-1B	11/14/2006	320 g	<5.0	<5.0	<5.0	<5.0	NA	310	<5.0	<5.0	<5.0	<200	371.67	69.38	302.29
MW-1B	02/01/2007	77	0.53	<0.50	<0.50	<1.0	NA	150	NA	NA	NA	NA	371.67	60.92	310.75
MW-1B	06/01/2007	<50 j,k	0.25 l	<1.0	<1.0	<1.0	NA	74	NA	NA	NA	NA	371.67	61.07	310.60
MW-1B	08/22/2007	<50 j	0.25 l	<1.0	<1.0	<1.0	NA	35	NA	NA	NA	7.1 l	371.67	77.54	294.13

WELL CONCENTRATIONS
Shell-branded Service Station
4212 First Street
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1B	11/26/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	1.7	<2.0	<2.0	<2.0	<10	371.67	68.50	303.17
MW-1B	02/19/2008	65 j	2.6	4.2	<1.0	1.1	NA	58	NA	NA	NA	<10	371.67	57.21	314.46
MW-1B	05/23/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.6	NA	NA	NA	<10	371.67	57.53	314.14
MW-1B	08/07/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	1.1	NA	NA	NA	<10	371.67	72.51	299.16
MW-1B	12/03/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.4	NA	NA	NA	<10	371.67	80.84	290.83
MW-1B	02/05/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	4.4	NA	NA	NA	<10	371.67	76.11	295.56
MW-1B	05/07/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	2.5	NA	NA	NA	13	371.67	66.97	304.70
MW-1B	08/20/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	1.7	NA	NA	NA	<10	371.67	97.32	274.35
MW-1B	11/09/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	371.67	98.90	272.77
MW-1B	**02/11/2010**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**1.1**	**NA**	**NA**	**NA**	**<10**	**371.67**	**90.72**	**280.95**
MW-2	02/03/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.40	32.65	339.75
MW-2	02/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.40	35.51	336.89
MW-2	02/10/2000	<50.0	<0.500	<0.500	<0.500	<0.500	2.61	NA	NA	NA	NA	NA	372.40	36.62	335.78
MW-2	05/17/2000	120	4.09	<0.500	<0.500	<0.500	29	NA	NA	NA	NA	NA	372.40	32.14	340.26
MW-2	08/03/2000	<50.0	0.692	<0.500	<0.500	<0.500	40.5	36.6b	NA	NA	NA	NA	372.40	32.42	339.98
MW-2	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	57.4	44.8c	NA	NA	NA	NA	372.40	33.02	339.38
MW-2	03/01/2001	173	1.64	1.65	2.86	3.97	127	167	NA	NA	NA	NA	372.40	32.54	339.86
MW-2	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	170	NA	NA	NA	NA	372.40	32.42	339.98
MW-2	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	160	NA	NA	NA	NA	372.40	32.55	339.85
MW-2	12/06/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	170	NA	NA	NA	NA	372.40	33.15	339.25
MW-2	02/05/2002	<50	0.72	<0.50	<0.50	1.7	NA	170	NA	NA	NA	NA	372.40	32.29	340.11
MW-2	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	260	NA	NA	NA	NA	372.40	32.63	339.77
MW-2	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	280	NA	NA	NA	NA	372.40	32.80	339.60
MW-2	11/14/2002	120	13	9	3.8	14	NA	430	NA	NA	NA	NA	372.40	33.31	339.09
MW-2	02/12/2003	<100	<1.0	<1.0	<1.0	<1.0	NA	430	NA	NA	NA	NA	372.40	32.15	340.25

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-2	05/14/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	470	NA	NA	NA	NA	372.40	32.01	340.39
MW-2	07/29/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	670	NA	NA	NA	NA	372.40	32.51	339.89
MW-2	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	54	NA	NA	NA	NA	372.40	33.83	338.57
MW-2	02/19/2004	65	<0.50	3.4	1.4	6.5	NA	8.2	NA	NA	NA	NA	372.40	32.68	339.72
MW-2	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	5.2	NA	NA	NA	NA	372.40	32.07	340.33
MW-2	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	2.7	NA	NA	NA	NA	372.40	32.44	339.96
MW-2	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	372.40	32.95	339.45
MW-2	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	NA	372.40	31.94	340.46
MW-2	05/05/2005	72 f	<0.50	<0.50	<0.50	<1.0	NA	4.9	NA	NA	NA	NA	372.40	31.91	340.49
MW-2	08/05/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	NA	372.40	32.15	340.25
MW-2	11/22/2005	840	1	<0.500	<0.500	1	NA	556	NA	NA	NA	NA	372.40	32.31	340.09
MW-2	02/07/2006	3,550	<0.500	<0.500	<0.500	<0.500	NA	2,500	NA	NA	NA	NA	372.40	31.70	340.70
MW-2	05/16/2006	1,400	<5.0	<5.0	<5.0	<10	NA	1,700	NA	NA	NA	NA	372.40	31.38	341.02
MW-2	08/21/2006	1,910	<0.500	<0.500	<0.500	<0.500	NA	2,590	NA	NA	NA	NA	372.40	33.29	339.11
MW-2	11/14/2006	2,300 g	<25	<25	<25	<25	NA	2,500	<25	<25	<25	<1,000	372.40	32.67	339.73
MW-2	02/01/2007	670	<0.50	<0.50	<0.50	<1.0	NA	2,000	NA	NA	NA	NA	372.40	32.13	340.27
MW-2	06/01/2007	500 j,k	<10	<20	<20	<20	NA	2,000	NA	NA	NA	NA	372.40	32.14	340.26
MW-2	08/22/2007	100 j,k	<10	<20	<20	<20	NA	2,400	NA	NA	NA	120 l	372.40	32.93	339.47
MW-2	11/26/2007	1,600 j,k	<10	<20	<20	<20	NA	2,900	<40	<40	<40	<200	372.40	33.44	338.96
MW-2	02/19/2008	1,300 j,k	<10	<20	<20	<20	NA	3,300	NA	NA	NA	<200	372.40	31.18	341.22
MW-2	05/23/2008	1,900	<12	<25	<25	<25	NA	1,700	NA	NA	NA	<250	372.40	31.44	340.96
MW-2	08/07/2008	1,700	<10	<20	<20	<20	NA	1,300	NA	NA	NA	<200	372.40	31.94	340.46
MW-2	12/03/2008	3,000	<10	<20	<20	<20	NA	2,900	NA	NA	NA	<200	372.40	32.53	339.87
MW-2	02/05/2009	1,200	<10	<20	<20	<20	NA	1,000	NA	NA	NA	<200	372.40	32.29	340.11
MW-2	05/07/2009	2,400	<10	<20	<20	<20	NA	2,400	NA	NA	NA	<200	372.40	31.98	340.42
MW-2	08/20/2009	2,800	<10	<20	<20	<20	NA	2,400	NA	NA	NA	<200	372.40	32.51	339.89

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MW-2	11/09/2009	4,100	<12	<25	<25	<25	NA	3,800	<50	<50	<50	<250	372.40	32.43	339.97
MW-2	**02/11/2010**	**4,300**	**<12**	**<25**	**<25**	**<25**	**NA**	**3,200**	**NA**	**NA**	**NA**	**<250**	**372.40**	**32.07**	**340.33**
MW-3	02/03/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	375.05	32.06	342.99
MW-3	02/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	375.05	32.57	342.48
MW-3	02/10/2000	180	5.12	<0.500	<0.500	0.714	26.8	21.5a	NA	NA	NA	NA	375.05	32.77	342.28
MW-3	05/17/2000	1,360	414	<5.00	<5.00	17.6	<25.0	NA	NA	NA	NA	NA	375.05	31.00	344.05
MW-3	08/03/2000	<50.0	0.536	<0.500	<0.500	<0.500	22	NA	NA	NA	NA	NA	375.05	31.03	344.02
MW-3	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	31.1	NA	NA	NA	NA	NA	375.05	31.28	343.77
MW-3	03/01/2001	384	172	0.815	<0.500	8	5.16	NA	NA	NA	NA	NA	375.05	31.21	343.84
MW-3	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	110	NA	NA	NA	NA	375.05	31.02	344.03
MW-3	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	93	NA	NA	NA	NA	375.05	30.94	344.11
MW-3	12/06/2001	110	<0.50	<0.50	<0.50	2.3	NA	180	NA	NA	NA	NA	375.05	31.28	343.77
MW-3	02/05/2002	<50	0.89	0.6	<0.50	2.1	NA	130	NA	NA	NA	NA	375.05	31.12	343.93
MW-3	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	72	NA	NA	NA	NA	375.05	31.21	343.84
MW-3	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	81	NA	NA	NA	NA	375.05	30.96	344.09
MW-3	11/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	60	NA	NA	NA	NA	375.05	31.44	343.61
MW-3	02/12/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	43	NA	NA	NA	NA	375.05	31.28	343.77
MW-3	05/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	NA	375.05	31.20	343.85
MW-3	07/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	21	NA	NA	NA	NA	375.05	31.29	343.76
MW-3	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	8.2	NA	NA	NA	NA	375.05	31.86	343.19
MW-3	02/19/2004	81	0.67	4.4	1.8	8.6	NA	13	NA	NA	NA	NA	375.05	31.66	343.39
MW-3	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	13	NA	NA	NA	NA	375.05	31.72	343.33
MW-3	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	10	NA	NA	NA	NA	375.05	32.09	342.96
MW-3	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	6.6	NA	NA	NA	NA	375.05	31.50	343.55
MW-3	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	3.1	NA	NA	NA	NA	375.05	31.28	343.77

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MW-3	05/05/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	2.3	NA	NA	NA	NA	375.05	31.42	343.63
MW-3	08/05/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	2.4	NA	NA	NA	NA	375.05	31.35	343.70
MW-3	11/22/2005	<50	<0.500	<0.500	<0.500	<0.500	NA	3.84	NA	NA	NA	NA	375.05	31.98	343.07
MW-3	02/07/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	375.05	31.24	343.81
MW-3	05/16/2006	<50	<0.50	<0.50	<0.50	<1.0	NA	4.5	NA	NA	NA	NA	375.05	31.37	343.68
MW-3	08/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	4.04	NA	NA	NA	NA	375.05	31.95	343.10
MW-3	11/14/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	3.8	<0.50	<0.50	<0.50	<20	375.05	32.24	342.81
MW-3	02/01/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	2.8	NA	NA	NA	NA	375.05	32.17	342.88
MW-3	06/01/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	3.1	NA	NA	NA	NA	375.05	31.86	343.19
MW-3	08/22/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	4.6	NA	NA	NA	<10	375.05	32.18	342.87
MW-3	11/26/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	3.5	<2.0	<2.0	<2.0	<10	375.05	32.69	342.36
MW-3	02/19/2008	<50 j	<0.50	1.2	<1.0	<1.0	NA	2.6	NA	NA	NA	<10	375.05	30.94	344.11
MW-3	05/23/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.6	NA	NA	NA	<10	375.05	31.45	343.60
MW-3	08/07/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.0	NA	NA	NA	<10	375.05	31.40	343.65
MW-3	12/03/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	2.1	NA	NA	NA	<10	375.05	32.12	342.93
MW-3	02/05/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	1.1	NA	NA	NA	<10	375.05	32.74	342.31
MW-3	05/07/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	375.05	31.69	343.36
MW-3	08/20/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	2.0	NA	NA	NA	<10	375.05	32.42	342.63
MW-3	11/09/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	1.7	<2.0	<2.0	<2.0	<10	375.05	32.54	342.51
MW-3	**02/11/2010**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**2.1**	**NA**	**NA**	**NA**	**<10**	**375.05**	**31.81**	**343.24**
MW-4	09/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.78	31.58	341.20
MW-4	09/28/2006	11,000	<250	<250	<250	<250	NA	13,000	NA	NA	NA	<10,000	372.78	31.57	341.21
MW-4	11/14/2006	30,000	<250	<250	<250	<250 h,i	NA	14,000	<250	<250	<250	<10,000	372.78	32.11	340.67
MW-4	02/01/2007	6,300	50	<5.0	19	120	NA	14,000	NA	NA	NA	NA	372.78	33.23	339.55
MW-4	06/01/2007	8,200 j	52	<25	26	150	NA	11,000	NA	NA	NA	NA	372.78	31.57	341.21

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	08/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.78	33.40	339.38
MW-4	11/26/2007	12,000 j	71	<100	<100	<100	NA	20,000	<200	<200	<200	<1,000	372.78	34.74	338.04
MW-4	02/19/2008	13,000 j	<100	<200	<200	<200	NA	18,000	NA	NA	NA	2,900	372.78	29.70	343.08
MW-4	05/23/2008	21,000	<100	<200	<200	<200	NA	16,000	NA	NA	NA	<2,000	372.78	31.67	341.11
MW-4	08/07/2008	27,000	<100	<200	<200	<200	NA	21,000	NA	NA	NA	<2,000	372.78	31.90	340.88
MW-4	12/03/2008	20,000	19	<25	<25	29	NA	21,000	NA	NA	NA	2,500	372.78	34.32	338.46
MW-4	02/05/2009	15,000	200	<200	<200	<200	NA	13,000	NA	NA	NA	<2,000	372.78	34.58	338.20
MW-4	05/07/2009	18,000	<100	<200	<200	<200	NA	17,000	NA	NA	NA	<2,000	372.78	31.34	341.44
MW-4	08/20/2009	15,000	<50	<100	<100	<100	NA	13,000	NA	NA	NA	1,900	372.78	33.56	339.22
MW-4	11/09/2009	13,000	<50	<100	<100	<100	NA	11,000	<200	<200	<200	<1000	372.78	33.57	339.21
MW-4	**02/11/2010**	**11,000**	**95**	**<100**	**<100**	**110**	**NA**	**7,500**	**NA**	**NA**	**NA**	**3,200**	**372.78**	**31.21**	**341.57**
TB-1	02/12/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-1	02/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.54	NA
TB-1	05/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	12.31	NA
TB-2	02/12/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-2	02/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.56	NA
TB-2	05/14/2003	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.54	NA
TB-3	02/12/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-3	02/28/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-3	05/14/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-4	02/12/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-4	02/28/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
TB-4	05/14/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Abbreviations:

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

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

MTBE = Methyl tertiary butyl ether

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

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

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

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

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Notes:

a = Sample was analyzed outside of the EPA recommended holding time.

b = Concentration is an estimate value above the linear quantitation range.

c = The result reported was generated out of time. The sample was originally run within hold time, but needed to be re-analyzed.

d = Sample contains discrete peak in addition to gasoline.

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

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

g = The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.

h = Sample was originally analyzed with a positive result, however the reanalysis did not confirm the presence of the analyte.

i = Confirmatory analysis was past holding time.

j = Analyzed by EPA Method 8015B (M).

k = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

l = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Well MW-1 surveyed on May 4, 1999 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed on March 19, 2000 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed on January 15, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

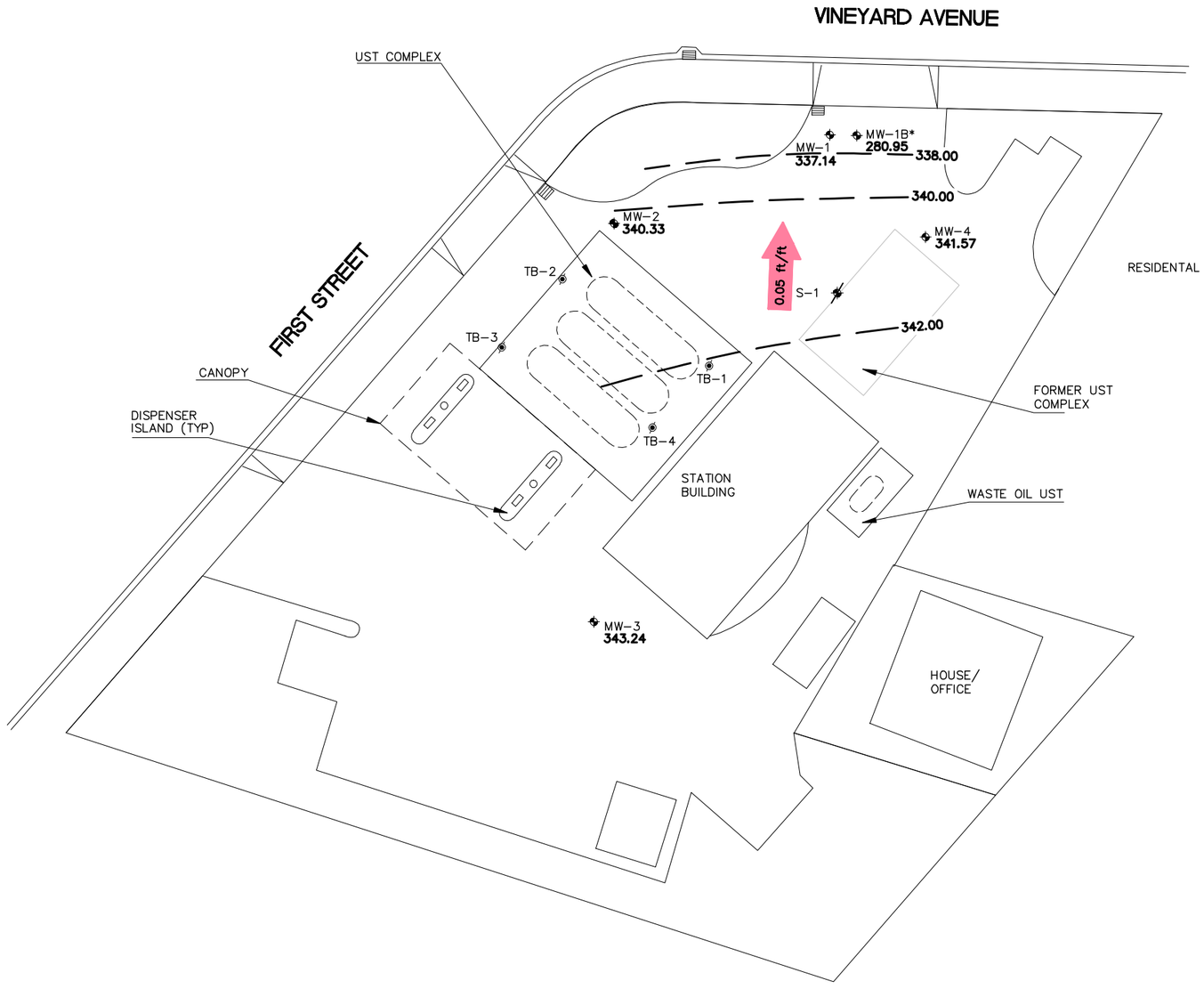
3Q06 survey data for wells MW-1B and MW-4 provided by Delta Environmental Consultants, Inc. of San Jose, CA.

PROJECT NUMBER SCA421211D

APPROVED BY

CHECKED BY

DRAWN BY J.F.F 3/15/2010

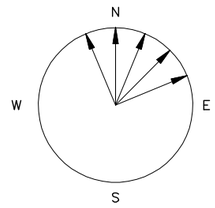


SCALE IN FEET: 0, 15, 30

N
W E
S

LEGEND

MW–1 ◆	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
S–1 ⚡	DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
TB–1 ◉	ABANDONED TANK BACKFILL WELL LOCATION
343.08	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
344.00 — — —	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=2.00 FEET
MW–1B*	MONITORS DEEPER WATER BEARING ZONE; NOT USED USED IN CONTOURING
0.05 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)



HISTORIC GROUNDWATER FLOW DIRECTIONS

DATE	FLOW DIRECTION
8/5/2005	ENE
11/22/2005	ENE
2/7/2006	NNE
5/16/2006	NNE
8/21/2006	N
11/14/2006	N
2/1/2007	NNE
8/22/2007	N, NNE
11/26/2007	NNE
2/19/2008	NNW
5/23/2008	N
8/7/2008	N, NNW
12/3/2008	NNE
2/5/2009	NNE
5/7/2009	NNW
8/20/2009	NE
11/9/2009	NE
2/11/2010	N

DELTA CONSULTANTS

SHELL OIL PRODUCTS US
SHELL–BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP 2/11/2010

4212 FIRST STREET
PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA421211D

APPROVED BY

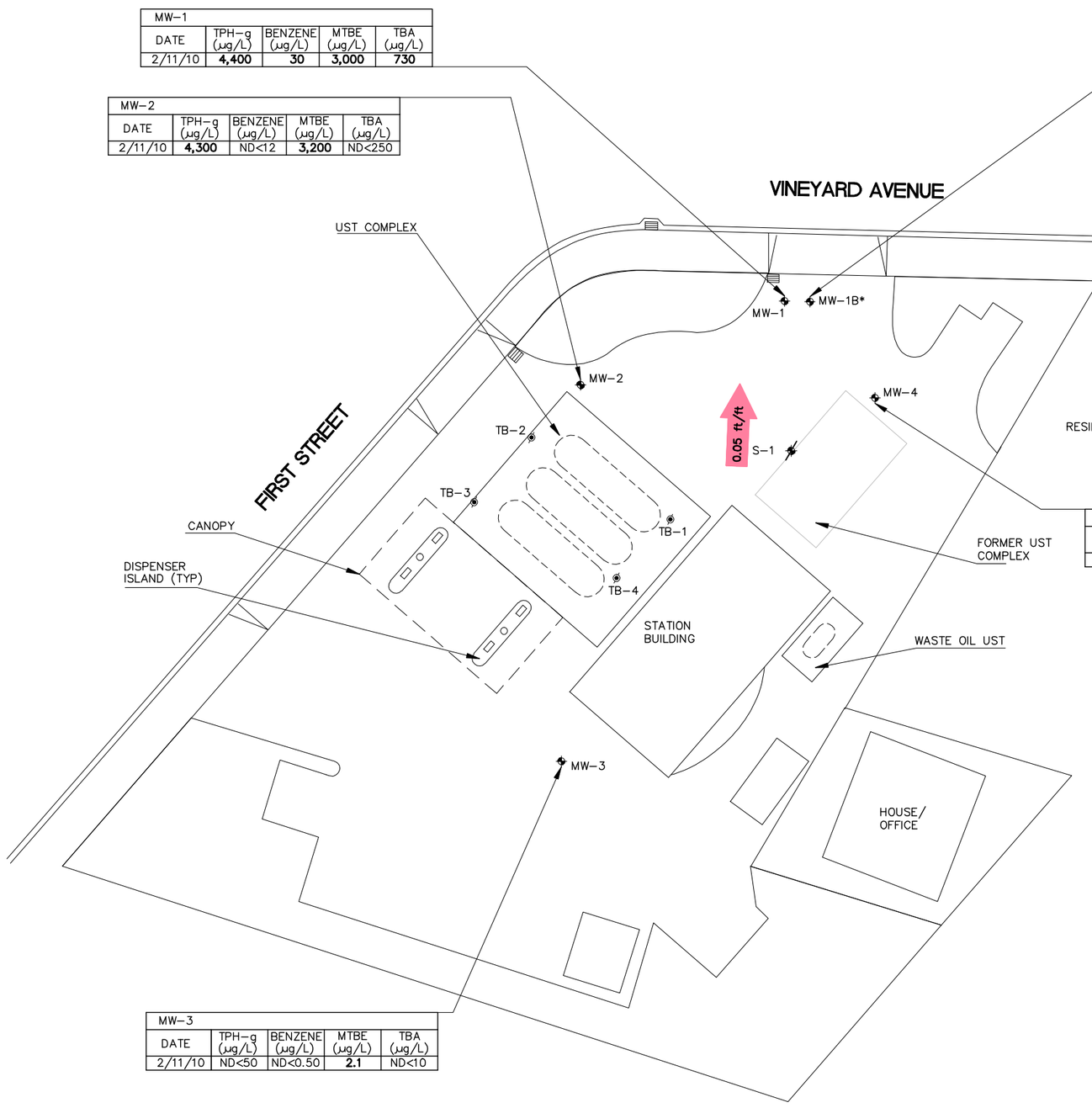
CHECKED BY

DRAWN BY J.F.F 3/15/2010

MW-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/11/10	**4,400**	**30**	**3,000**	**730**

MW-2				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/11/10	**4,300**	ND<12	**3,200**	ND<250

MW-1B				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/11/10	ND<50	ND<0.50	**1.1**	ND<10



MW-4				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/11/10	**11,000**	**95**	**7,500**	**3,200**

MW-3				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/11/10	ND<50	ND<0.50	**2.1**	ND<10

N

W E

S

LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
S-1	DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
TB-1	ABANDONED TANK BACKFILL WELL LOCATION
TPH-g	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE	METHYL TERT-BUTYL ETHER
TBA	TERT-BUTYL ALCOHOL
µg/L	MICROGRAMS PER LITER
ND<	NOT DETECTED ABOVE LIMIT NOTED
MW-1B*	MONITORS DEEPER WATER BEARING ZONE
0.05 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

0 15 30 SCALE IN FEET

DELTA CONSULTANTS

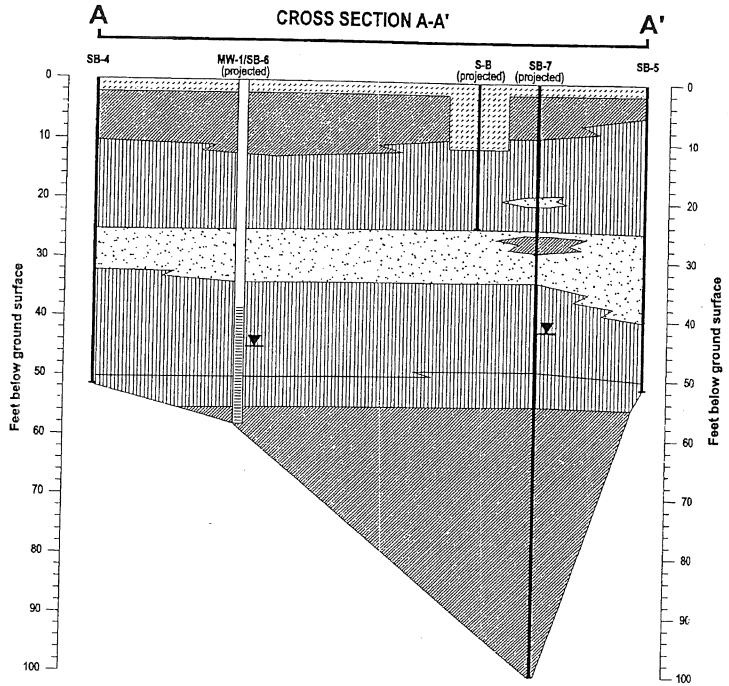
SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

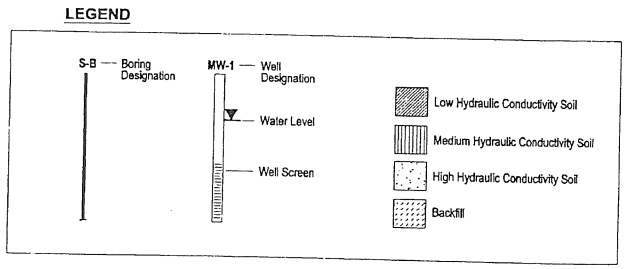
FIGURE 3
GROUNDWATER HYDROCARBON DISTRIBUTION MAP
2/11/2010

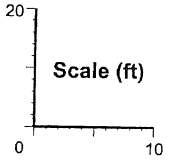
4212 FIRST STREET
PLEASANTON, CALIFORNIA

APPENDIX D

GEOLOGIC CROSS-SECTIONS AND HISTORIC SOIL DATA







11/04/99

G:\PLE4226\FIGURES\X-SECTION.DWG

Shell-branded Service Station

4226 First Street
Pleasanton, California

Designed By:	Drawn By:	Approved By:
B. Jakub	G. Glasser	B. Jakub
Revisions By:		Date:
Description:		

Geologic Cross Section

Incident #98995840

CAMBRIA

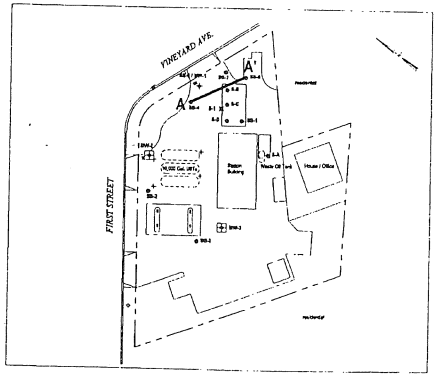
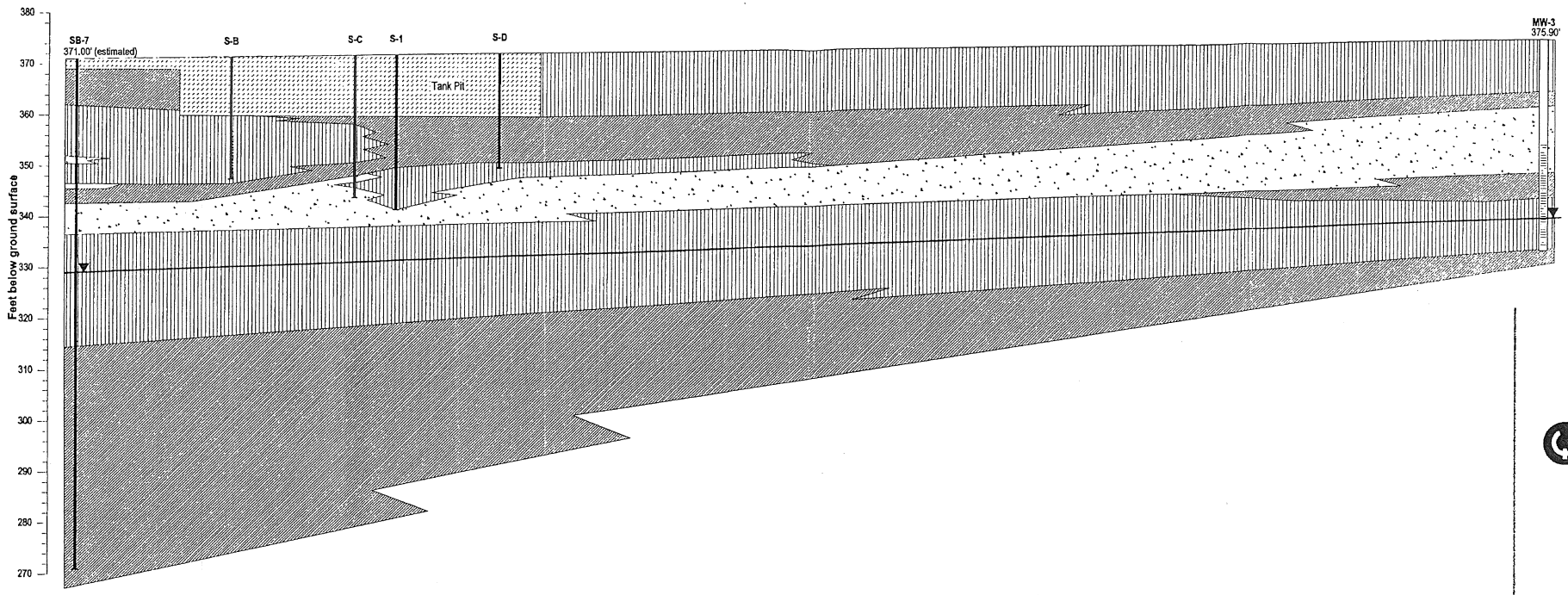
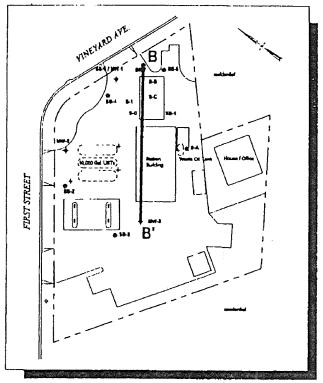


FIGURE 4

06/09/00

B — CROSS SECTION B-B' — B'





LEGEND

S-B — Boring Designation

MW-1 — Well Designation

Water Level

Well Screen

Low Hydraulic Conductivity Soil

Medium Hydraulic Conductivity Soil

High Hydraulic Conductivity Soil

Backfill

20

Scale (ft)

0 10

FIGURE

5

Geologic Cross Section B-B'

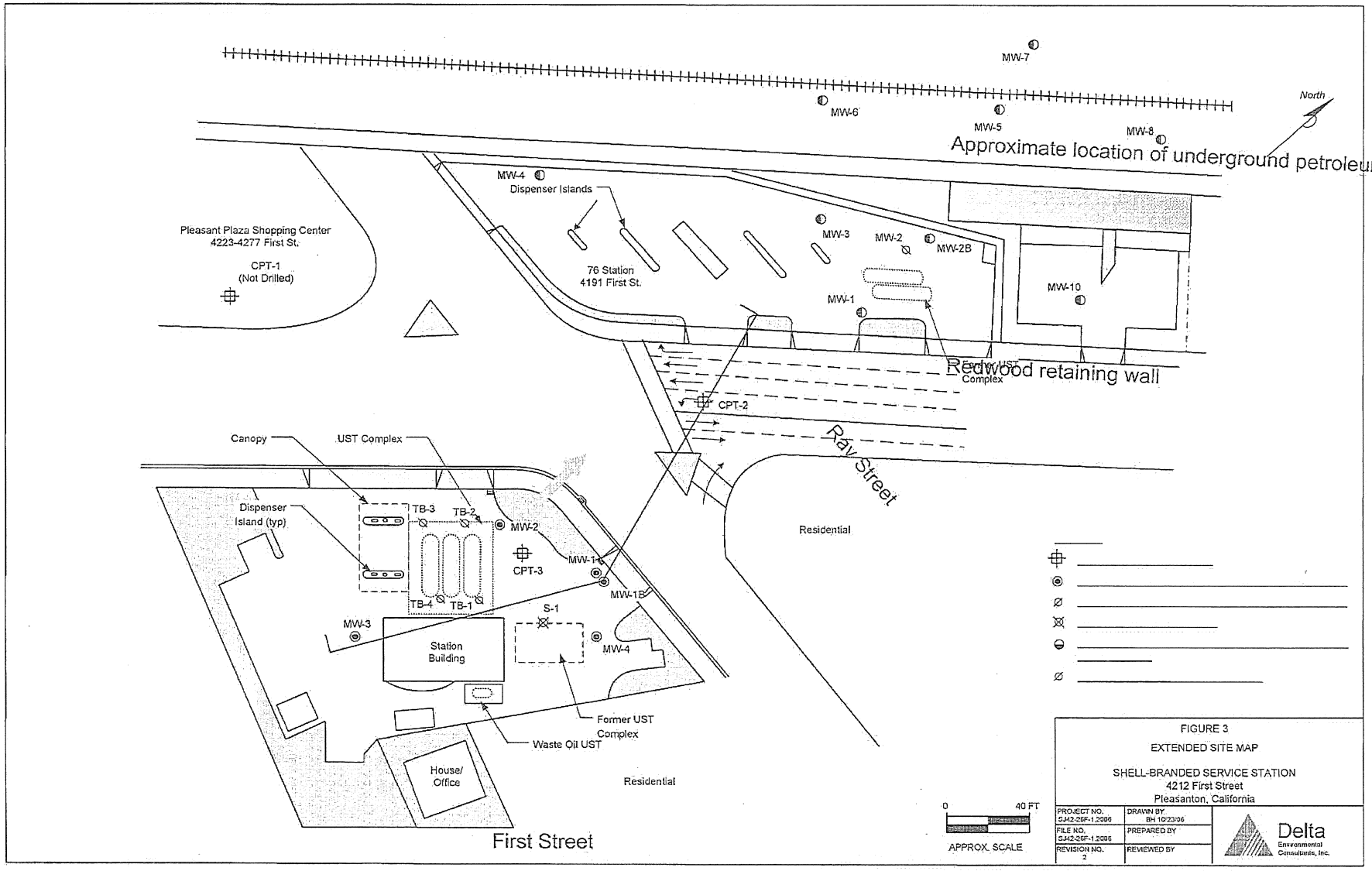
CAMBRIA

Shell-branded Service Station

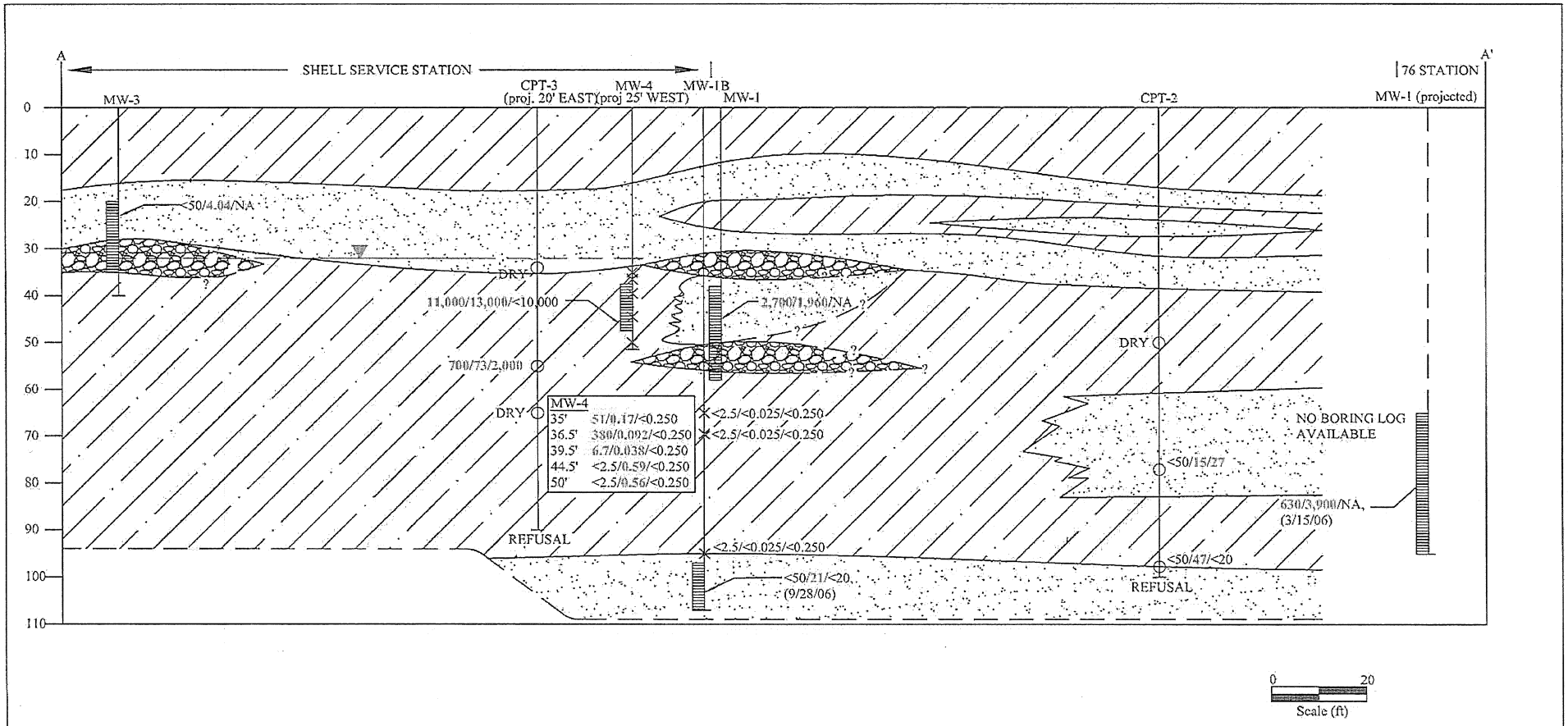
4226 First Street

Pleasanton, California

O:\PLEASANTON\FIGURES\CROSSSECTION B.DWG



Groundwater
Flow Direction



LEGEND

MW-1 WELL/BORING IDENTIFICATION

SCREENED INTERVAL

(<50/21/<20) TPH-G/MTBE/TBA CONCENTRATIONS GROUNDWATER (µg/L), AUGUST 21, 2006

<50/47/<20 TPH-G/MTBE/TBA CONCENTRATIONS IN GROUNDWATER (µg/L), AUGUST 15 AND SEPTEMBER 29,2006

<2.5/<0.025/<0.250 TPH-G/MTBE/TBA CONCENTRATIONS IN SOIL (mg/kg)

GROUNDWATER ELEVATION

NA NOT ANALYZED

CLAY; SILT; SANDY SILT

SILTY SAND; CLAYEY SAND WITH GRAVEL

SANDY GRAVEL; GRAVEL

FIGURE 4
GEOLOGIC CROSS SECTION A-A'

SHELL SERVICE STATION
4212 FIRST ST.
PLEASANTON, CA

PROJECT NO.	DRAWN BY BH 1/17/07
FILE NO.	PREPARED BY
REVISION NO. 4	REVIEWED BY

DELTA

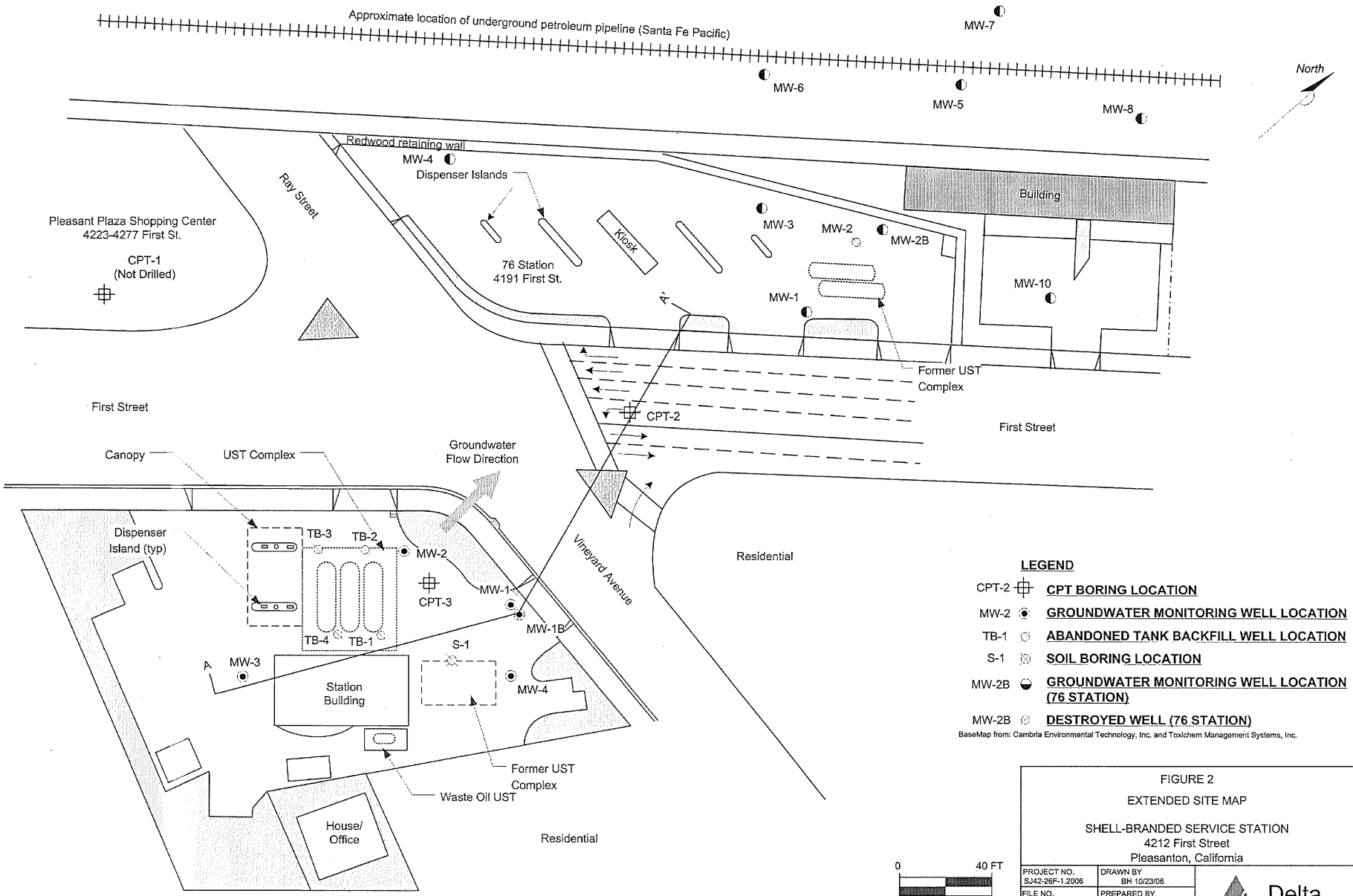


FIGURE 2

EXTENDED SITE MAP

SHELL-BRANDED SERVICE STATION
4212 First Street
Pleasanton, California

PROJECT NO. SJ42-26F-1.2006	DRAWN BY BH 10/23/06
FILE NO. SJ42-26F-1.2006	PREPARED BY
REVISION NO. 2	REVIEWED BY

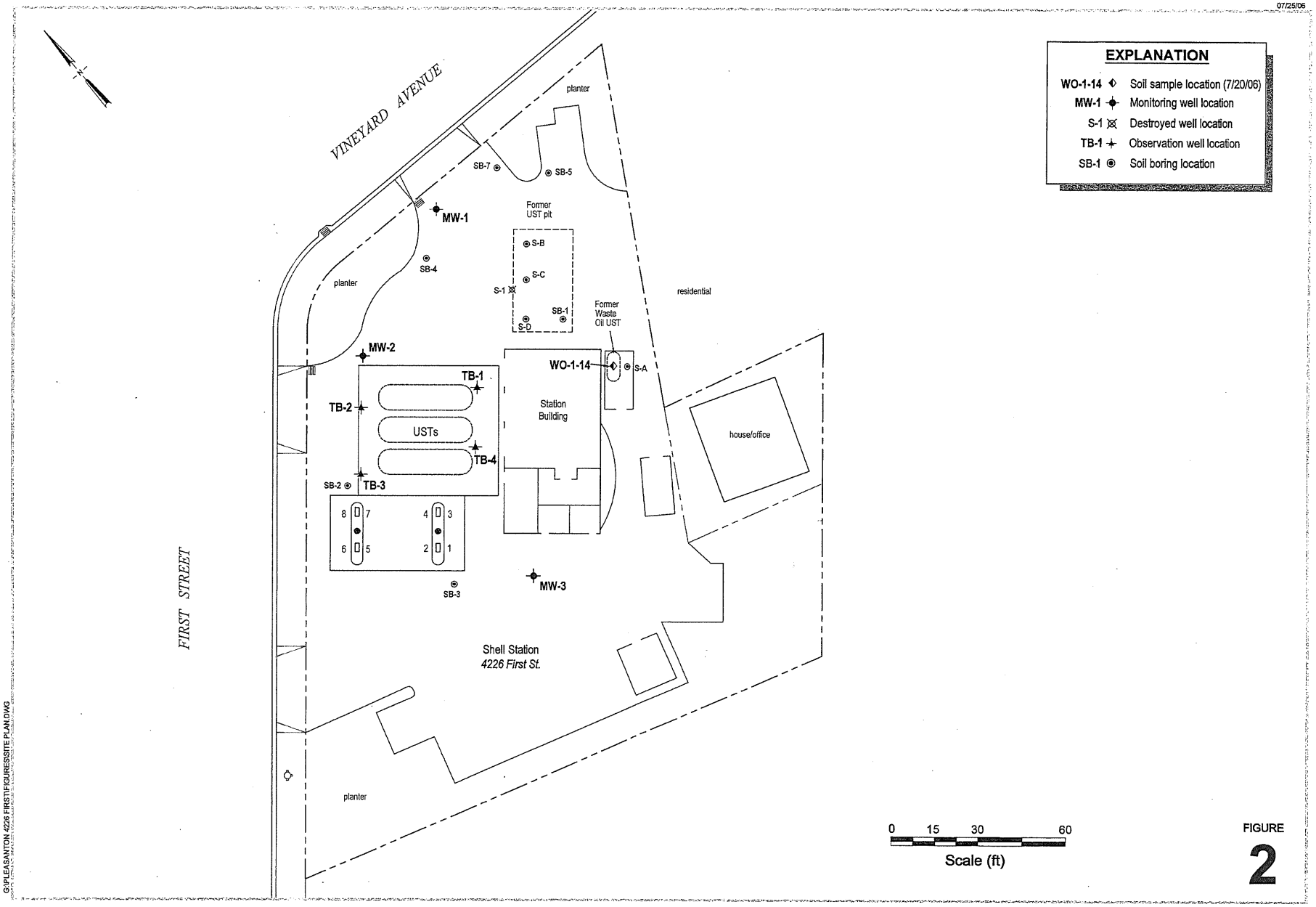
Delta Environmental Consultants, Inc.

Table 2
Summary of Soil Analytical Data
Shell Service Station
4226 First Street, Pleasanton, CA

Sample Designation	Date Sampled	Depth (feet)	**TPH-G** (mg/kg)	**Benzene** (mg/kg)	**Toluene** (mg/kg)	**Ethyl-benzene** (mg/kg)	**Xylene** (mg/kg)	**MTBE** (mg/kg)	**TBA** (mg/kg)
MW-1B@65'	8/23/2006	65	<2.5	<0.025	<0.025	<0.025	<0.050	<0.025	<0.250
MW-1B@69.5'	8/23/2006	69.5	<2.5	<0.025	<0.025	<0.025	<0.050	<0.025	<0.250
MW-1B@95'	8/23/2006	95	<2.5	<0.025	<0.025	<0.025	<0.050	<0.025	<0.250
MW-4@35'	8/24/2006	35	**51**	<0.025	<0.025	<0.025	<0.050	**0.17**	<0.250
MW-4@36.5'	8/24/2006	36.5	**380**	<0.025	<0.025	**1.2**	**1.6**	**0.092**	<0.250
MW-4@39.5'	8/24/2006	39.5	**6.7**	<0.025	<0.025	**0.05**	**0.064**	**0.038**	<0.250
MW-4@44.5'	8/24/2006	44.5	<2.5	<0.025	<0.025	<0.025	<0.050	**0.59**	<0.250
MW-4@50'	8/24/2006	50	<2.5	<0.025	<0.025	<0.025	<0.050	**0.56**	<0.250

Notes:
mg/kg = milligrams per kilogram
TPH-G = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether

07/25/06



EXPLANATION

WO-1-14	Soil sample location (7/20/06)
MW-1	Monitoring well location
S-1	Destroyed well location
TB-1	Observation well location
SB-1	Soil boring location

0 15 30 60

Scale (ft)

FIGURE

2

Site Plan

Shell-branded Service Station

4226 First Street

Pleasanton, California

Incident No.98995840

CAMBRIA

G:\PLEASANTON 4226 FIRST\FIGURES\SITE PLAN.DWG

Table 1
Summary of Soil Analytical Data
Shell-branded Service Station
4226 First Street
Pleasanton, California

Sample	Depth (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	MTBE (mg/kg)	TPH-o&g (mg/kg)	PCBs (ug/kg)	Semi VOCs	VOCs
W0-1 @ 10	10	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<100	NA	NA	NA
W0-1 @ 20	20	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<100	NA	NA	NA
W0-3 @ 30	30	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	<100	<50	No Detections	No Detections

Notes:
mg/kg = milligrams per kilogram
TPH-G = Total petroleum hydrocarbons as gasoline
TPH-D = Total petroleum hydrocarbons as diesel
TPH-o&g = Total petroleum hydrocarbons as oil and grease
PCBs =polychlorinated biphenyl
Semi VOCs = Semi volatile organics compounds
VOCs = volatile organic compounds

Sample WO-1 @ 30 feet
CAM 17 Metals

	Site (mg/kg)	ESL (mg/kg)
Antimony	<2.0	310
Arsenic	**2.8**	16
Barium	**93**	2500
Beryllium	<0.50	98
Cadmium	**1.0**	38
Chromium	**30**	58
Cobalt	**6.2**	94
Copper	**13**	2500
Lead	**7.4**	750
Molybdenum	<1.0	2500
Nickel	**32**	1000
Selenium	<2.0	2500
Thallium	<1.0	51
Vanadium	**22**	2500
Zinc	**28**	2500
Mercury	**0.05**	110

Sample collected 6/05

Note; ESL = Environmental screening level, deep soils (<3 m), potential source of drinking water, residential land use.
San Francisco Bay Regional Water Quality Control Board

Table 1
Soil Analytical Data
Total Petroleum Hydrocarbons, Volatile and Semi-Volatile Organic Compounds
Shell Branded Service Station
4226 First Street, Pleasanton, California

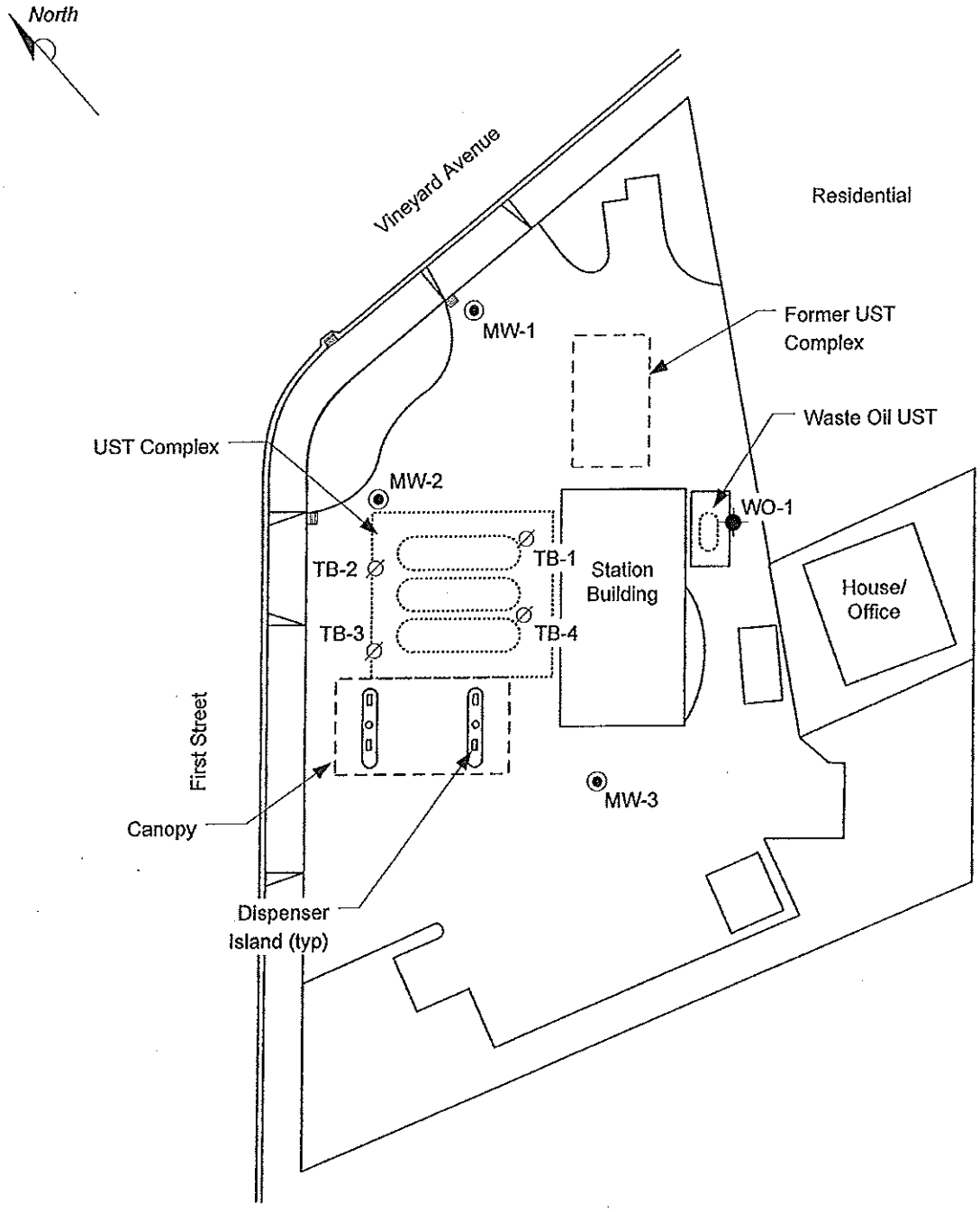
Sample Designation	Sample Type or Depth (feet bgs)	Date Sampled	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-o&g (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	VOC (mg/kg)	SVOC (mg/kg)	PCBs (mg/kg)
D-1	Composite	02/16/05	1.4	1400 *	10,000	<0.005	<0.005	<0.005	<0.01	<0.005	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	NA	ND (0.42)**	<0.500
Soil Screening Levels																			
Residential ESL (Groundwater Protection, Leaching)***			100	100	500	0.044	2.9	3.3	2.3	0.023	NA	NA	NA	NA	NA	NA	NA	NA (11)	6.3 (0.22)
Commercial ESL (Groundwater Protection, Leaching)***			100	100	1,000	0.044	2.9	3.3	2.3	0.023	NA	NA	NA	NA	NA	NA	NA	NA (11)	6.3 (0.74)

TPH-g = Total petroleum hydrocarbons as gasoline (EPA Method 8260B)
TPH-d = Total petroleum hydrocarbons as diesel fuel (EPA Method 8015M)
TPH-o&g = Total petroleum as oil and grease (EPA Method 1664A)
MtBE = Methyl tert-butyl ether (EPA Method 8260B)
TBA = Tert-butyl alcohol (EPA Method 8260B)
DIPE = Di-isopropyl Ether (EPA Method 8260B)
ETBE = Ethyl tert-butyl ether (EPA Method 8260B)
TAME = tert-Amyl methyl ether (EPA Method 8260B)
VOC = Volatile Organic Compounds including 1,2-DCA and EDB (EPA Method 8260B)
SVOC = Semi volatile organic compounds (EPA Method 8270C)
PCB = Polychlorinated biphenyls (EPA Method 8082)
mg/kg = Milligrams per kilogram
bgs = feet below ground surface of the bottom of the sample
* = Hydrocarbon reported is in the late diesel range, and does not match the laboratory diesel standard.
** = All SVOCs non detect except Phenanthrene (concentration in parentheses)
*** = SFRWQCB ESL for surface soil (<3m) where groundwater is a potential drinking water

Table 2
Soil Analytical Data
Total Metals by EPA 6010B
Shell Branded Service Station
4226 First Street
Pleasanton, California

Sample Designation	Depth (feet bgs)	Date Sampled	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
D-1	Composite	02/16/05	<0.5	13	6.8	27	100
Soil Screening Levels*							
Residential ESL			1.70	58	150	150	600
Commercial ESL			7.4	58	750	150	600

mg/kg = Milligrams per kilogram
* = SFRWQCB ESL for surface soil (<3m) where groundwater is a potential drinking water



LEGEND

MW-2 ◉ **GROUNDWATER MONITORING WELL LOCATION**

TB-1 ∅ **ABANDONED TANK BACKFILL WELL LOCATION**

WO-1 ⊕ **SOIL BORING LOCATION**

0 40 FT

APPROX. SCALE

BaseMap from: Cambria Environmental Technology, Inc. and Toxichem Management Systems, Inc.

FIGURE 2

SITE MAP

SHELL-BRANDED SERVICE STATION
4226 First Street
Pleasanton, California

PROJECT NO. SJ42-26F-1.2005	DRAWN BY V.F. 5/9/05
FILE NO. SJ42-26F-1.2005	PREPARED BY J.T.
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.

Table 1. Soil Analytical Data - Shell-branded Service Station, 4226 First Street, Pleasanton California

Sample ID	Date Sampled	Depth	O&G	TPHd	TPHg	BTEX	Chlorinated Hydro-carbons	MTBE	OXYs	1,2-DCA	EDB	Cd	Cr	Pb	Ni	Zn	PNAs	PCP	Creosote	PCBs
		(fbg)	← (mg/kg) →																	
W0-1-14	20-Jul-06	14	26	5.5[a]	<1.0	<0.0050	ND	0.021	<0.0050	<0.0050	<0.0050	<0.500	40.7	6.00	46.9	52.5	ND	<2.5	<0.40	<0.050
SFBRWQCB ESLs for deep soil (greater than 3 meters) where groundwater is a current or potential drinking water source (Residential Land Use)			**1,000**	**100**	**100**	**Varies**	**Varies**	**2.0**	**Varies**	**0.0045**	**0.00033**	**38**	**58**	**750**	**1,000**	**2,500**	**Varies**	**5.3**	**--**	**6.3**

Abbreviations and Notes:

O&G = Oil and grease by EPA Method 1664 A (Modified)

TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015 (Modified)

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8260B

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

Chlorinated hydrocarbons by EPA Method 8260B; see laboratory analytical report for a complete list of specific constituents

MTBE - Methyl tertiary-butyl ether by EPA Method 8260B

OXYs = Di-isopropyl ether, ethyl tertiary-butyl ether, tertiary-amyl methyl ether, and tertiary-butanol by EPA Method 8260B

1,2-DCA = 1,2-Dichloroethane by EPA Method 8260B

EDB = 1,2-Dibromoethane by EPA Method 8260B

Cd = Cadmium by EPA Method 6010B

Cr = Chromium by EPA Method 6010B

Pb = Lead by EPA Method 6010B

Ni = Nickel by EPA Method 6010B

Zn = Zinc by EPA Method 6010B

PNAs = Polynuclear aromatics by EPA Method 8270C; see laboratory analytical report for a complete list of specific constituents

PCP = Pentachlorophenol by EPA Method 8270C

Creosote analyzed by EPA Method 8270C. It is reported as a combination of naphthalene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, 1-methylnaphthalene, and 2-methylnaphthene.

PCBs = Polychlorinated biphenyls by EPA Method 8082; see laboratory analytical report for a complete list of specific constiuents

fbg = Feet below grade

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

<x = Not detected at reporting limit x

ND = Not detected; see laboratory analytical report for constituent-specific reporting limits

-- = No applicable environmental screening level

a = Hydrocarbons reported as TPHd do not exhibit a typical Diesel chromatographic pattern. These hydrocarbons are higher boiling than typical diesel fuel.

Data in **BOLD** equals or exceeds applicable San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) environmental screening level (ESL) value

Table 1 Soil Analytical Results - Shell-branded Service Station Incident# 98995840
4226 First Street, Pleasanton, California

Sample	TPHg	Benzene	Toluene	Ethylbenzene	Xylene	MTBE
	←		(concentrations reported in ppm)			→
MW-2-6.3'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05
MW-2-16.5'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05
MW-2-21.5'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05
MW-2-26.0'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05
MW-2-30.5'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05
MW-2-35.0'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05
MW-3-5.0'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05
MW-3-10.5'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05
MW-3-15.5'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05
MW-3-20.5'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05
MW-3-25.5'	<1.0	<0.005	<0.005	<0.005	<0.010	<0.05

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert-Butyl Ether by EPA 8020.
ppm = parts per million

Samples collected January 18 and 19, 2000

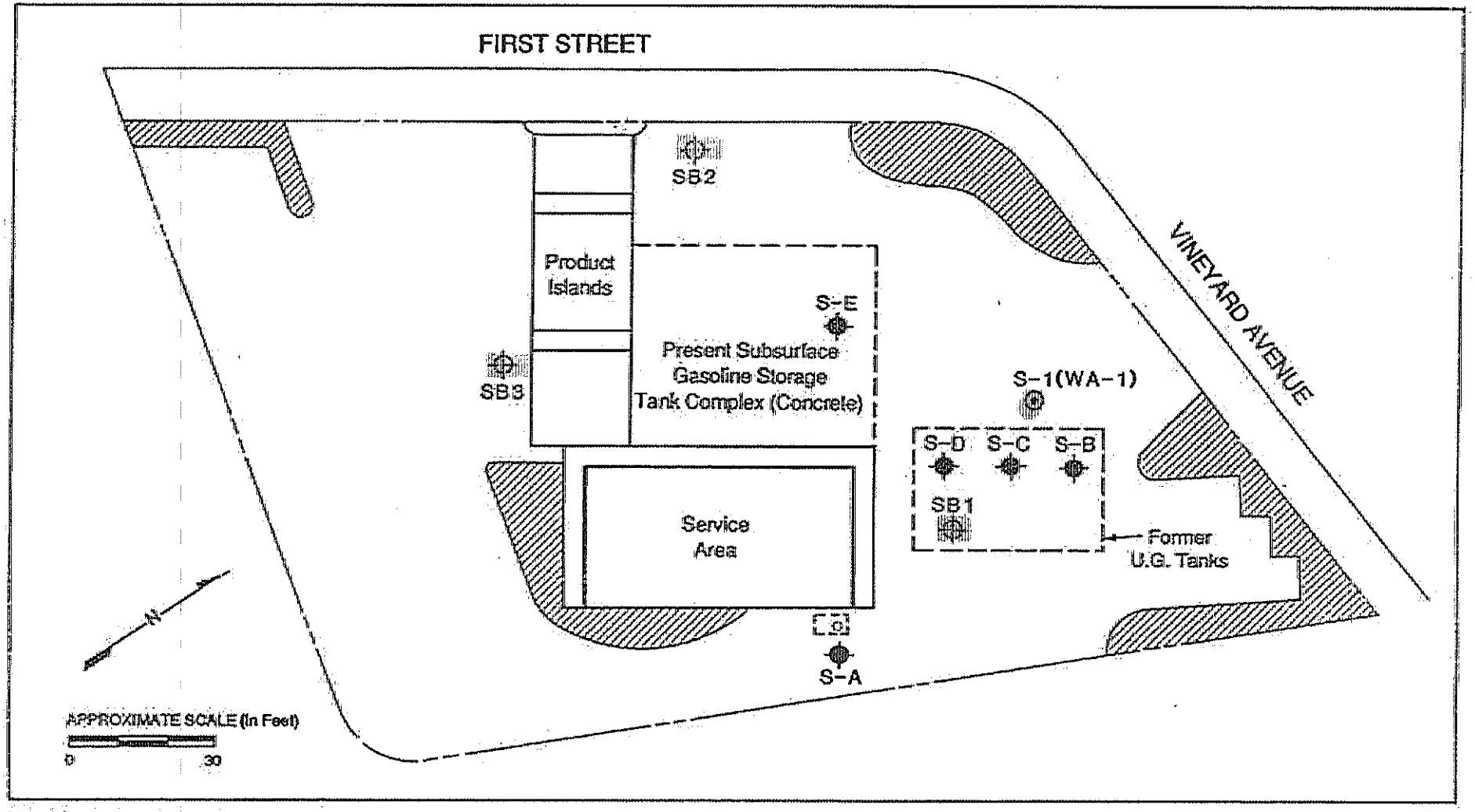
Table 1 Soil Analytical Results - Shell-branded Service Station Incident# 98995840
4226 First Street, Pleasanton, California

Sample	TPHg	Benzene	Toluene	Ethyl Benzene	Xylene	MTBE
	(ppm)					
SB-6-15.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
SB-6-19.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
SB-6-25.0'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
SB-6-30.0'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
SB-6-35.0'	<1.0	0.0069	<0.0050	<0.0050	<0.0050	<0.025
SB-6-40.0'	<1.0	<0.0050	0.28	<0.0050	<0.0050	<0.025
SB-6-45.0'	<1.0	0.1	<0.0050	<0.0050	<0.0050	<0.025
SB-7-15.0'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
SB-7-19.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
SB-7-24.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
SB-7-29.3'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
SB-7-34.3'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
SB-7-40.0'	83	<0.0050	0.37	0.26	0.26	<0.025
SB-7-44.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025
SB-7-59.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
SB-7-64.5'	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tert-Butyl Ether
ppm = parts per million

Samples collected April 7 through 9, 1999



Legend

- Planter Area
- Subsurface Waste Oil Tank Location
- Abandoned Monitoring Well
- Location of Hart Crowser Borings
- Location of EMCON Borings

SITE PLAN

4226 First Street
Pleasanton, California

HARTCROWSER

J-6006 4/90
Figure 2

TABLE 1

CHEMICAL ANALYSIS OF SOIL SAMPLES
SHELL SERVICE STATION
4226 FIRST STREET
PLEASANTON, CALIFORNIA

Concentrations in mg/kg (parts per million)

Boring	Depth (ft)	TPH	Benzene	Toluene	Ethylbenzene	Xylene
SB-1	15	4.2	ND	ND	ND	ND
SB-1	35	18	ND	ND	ND	ND
SB-1	50	ND	ND	ND	ND	ND
SB-2	15	ND	ND	ND	ND	ND
SB-2	30	7.2	ND	0.17	ND	ND
SB-3	10	ND	ND	ND	ND	ND
SB-3	30	ND	ND	ND	ND	ND
WA-1	30	380	2.2	2.7	5.3	32
WA-1	35	290	1.8	0.35	0.24	1.5
WA-1	40	ND	ND	ND	ND	ND
WA-1	50	ND	ND	ND	ND	ND
Detection Limits:		1.0	0.050	0.10	0.10	0.10

Notes:
1) TPH - Total Petroleum Hydrocarbons (gasoline range) analyzed by EPA Methods 5030/8015
2) Benzene, Toluene, Ethylbenzene and Xylene analyzed by EPA Method 8020
3) ND- Not Detected at detection limit shown
4) SB-1, SB-2 and SB-3 samples collected March 5, 1990
   WA-1 samples collected March 6, 1990

TABLE 1

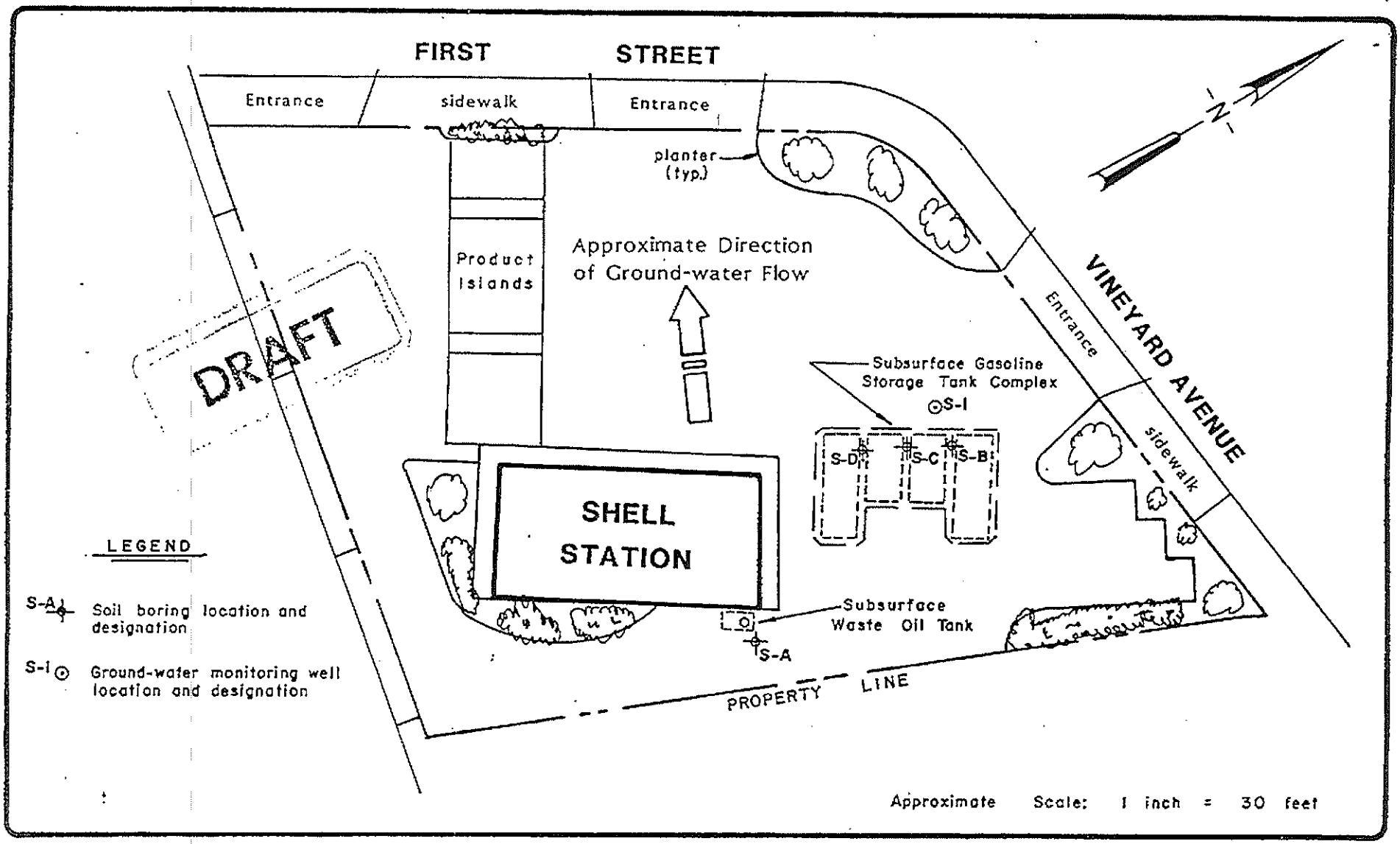
ANALYTICAL RESULTS OF SOIL SAMPLES

Concentrations in mg/kg (parts per million)

SHELL OIL COMPANY
4226 FIRST STREET
PLEASANTON, CALIFORNIA

Boring	TPH	Benzene	Toluene	Ethylbenzene	Xylenes
SB4-15	N.D.	N.D.	N.D.	N.D.	N.D.
SB4-35	N.D.	0.023	0.0071	N.D.	0.0055
SB4-50	N.D.	0.030	0.0059	N.D.	N.D.
SB5-35	820	65	3.7	6.5	65
SB5-40	N.D.	N.D.	N.D.	N.D.	N.D.
SB5-50	N.D.	N.D.	N.D.	N.D.	N.D.
DETECTION LIMITS:	1.0	0.0050	0.0050	0.0050	0.0050

NOTES:
1) TPH - Total Petroleum Hydrocarbons (Gasoline Range) analyzed by EPA Methods 5030/8015.
2) Benzene, Toluene, Ethylbenzene and Xylene analyzed by EPA Method 8020.
3) ND - Not detected.



EMCON Associates
San Jose, California

GETTLER-RYAN, INC.
SUBSURFACE HYDROGEOLOGIC INVESTIGATION
SHELL STATION, FIRST STREET AND VINEYARD AVENUE
PLEASANTON, CALIFORNIA

SOIL BORING AND MONITORING WELL LOCATION MAP

FIGURE 1

PROJECT NO. 738-60.01

Emcon Associates
1921 Ringwood Ave
San Jose, CA 95131

October 23, 1985

ATTN: Erin Garner

Following are the results of analyses on the samples described below.

Project Number: 738-60.01

Lab Numbers: 32810, 32813-32818,32821
Number of Samples: 8
Sample Type: soils
Date Received: 10-1-85
Analyses Requested: volatile, semi-volatile and non-volatile fuel hydrocarbons

The method of analysis for volatile fuel hydrocarbons is taken from E.P.A. Methods 8015 and 5030. The samples are examined using the purge and trap technique. Final detection is by gas chromatography using a flame ionization detector as well as a photoionization detector.

The method of analysis for semi-volatile and non-volatile fuel hydrocarbons in soil involves extracting the samples with acetone. The mixture is partitioned with hexane and the resulting extracts are examined by gas chromatography using a flame ionization detector.

Results

Lab Number	Sample Identification	Parts per Million- dry soil basis Semi- and Non-volatile Fuel Hydrocarbons (calculated as oil)
32810	GR Shell 9-27-85 S-A 1 @ 7-8.5	none detected
Detection Limit		20.

DRAFT

Patricia L. Murphy

PLM/mdf

IT/Santa Clara to Emcon
ATTN: Erin Garner

October 23, 1985

Lab Number: 32813
Sample Identification: GR Shell 9-27-85
S-B 1 @ 3.5-5

nd = none detected

Compound	Results (Parts per Million, dry soil basis) Detected	Detection Limit
Volatile Fuel Hydrocarbons (calculated as gasoline & includes benzene, toluene, xylenes and ethyl benzene)	2.	--
Benzene	nd	Ø.1
Toluene	nd	Ø.1
Xylenes and ethyl benzene	nd	Ø.4

IT/Santa Clara to Emcon
ATTN: Erin Garner

October 23, 1985

Lab Number: 32814
Sample Identification: GR Shell 9-27-85
S-B 2 @ 7-8.5

nd = none detected

Compound	Results: Parts per Million (dry soil basis) Detected	Detection Limit
Volatile Fuel Hydrocarbons (calculated as gasoline & includes benzene, toluene, xylenes and ethyl benzene)	400.	--
Benzene	nd	2.
Toluene	2.	--
Xylenes and ethyl benzene	32.	--

IT/Santa Clara to Emcon
ATTN: Erin Garner

October 23, 1985

Lab Number: 32815
Sample Identification: GR Shell 9-27-85
S-B 3 @ 10.5-12

nd = none detected

Compound	Results: Parts per Million (dry soil basis) Detected	Detection Limit
Volatile Fuel Hydrocarbons (calculated as gasoline & includes benzene, toluene, xylenes and ethyl benzene)	610.	--
Benzene	nd	2.
Toluene	3.5	--
Xylenes and ethyl benzene	63.	--

IT/Santa Clara to Emcon
ATTN: Erin Garner

October 23, 1985

Lab Number: 32816
Sample Identification: GR Shell 9-27-85
S-B 4 @ 14-15.5

nd = none detected

Compound	Results (Parts per Million, dry soil basis) Detected	Detection Limit
Volatile Fuel Hydrocarbons (calculated as gasoline & includes benzene, toluene, xylenes and ethyl benzene)	1,300.	---
Benzene	nd	2.5
Toluene	9.6	---
Xylenes and ethyl benzene	260.	---

IT/Santa Clara to Emcon
ATTN: Erin Garner

October 23, 1985

Lab Number: 32817
Sample Identification: GR Shell 9-27-85
S-B 5 @ 19-20.5

nd = none detected

Compound	Results Parts per Million (dry soil basis) Detected	Detection Limit
Volatile Fuel Hydrocarbons (calculated as gasoline & includes benzene, toluene, xylenes and ethyl benzene)	nd	2.
Benzene	nd	0.1
Toluene	nd	0.1
Xylenes and ethyl benzene	nd	0.4

IT/Santa Clara to Emcon
ATTN: Erin Garner

October 23, 1985

Lab Number: 32818
Sample Identification: GR Shell 9-27-85
S-C 3 @ 10.5-12

nd = none detected

Compound	Results: Parts per Million (dry soil basis) Detected	Detection Limit
Volatile Fuel Hydrocarbons (calculated as gasoline & includes benzene, toluene, xylenes and ethyl benzene)	nd	2.
Benzene	nd	0.1
Toluene	nd	0.1
Xylenes and ethyl benzene	nd	0.4

IT/Santa Clara to Emcon
ATTN: Erin Garner

October 23, 1985

Lab Number: 32821
Sample Identification: GR Shell 9-27-85
S-D 3 @ 10.5-12

nd = none detected

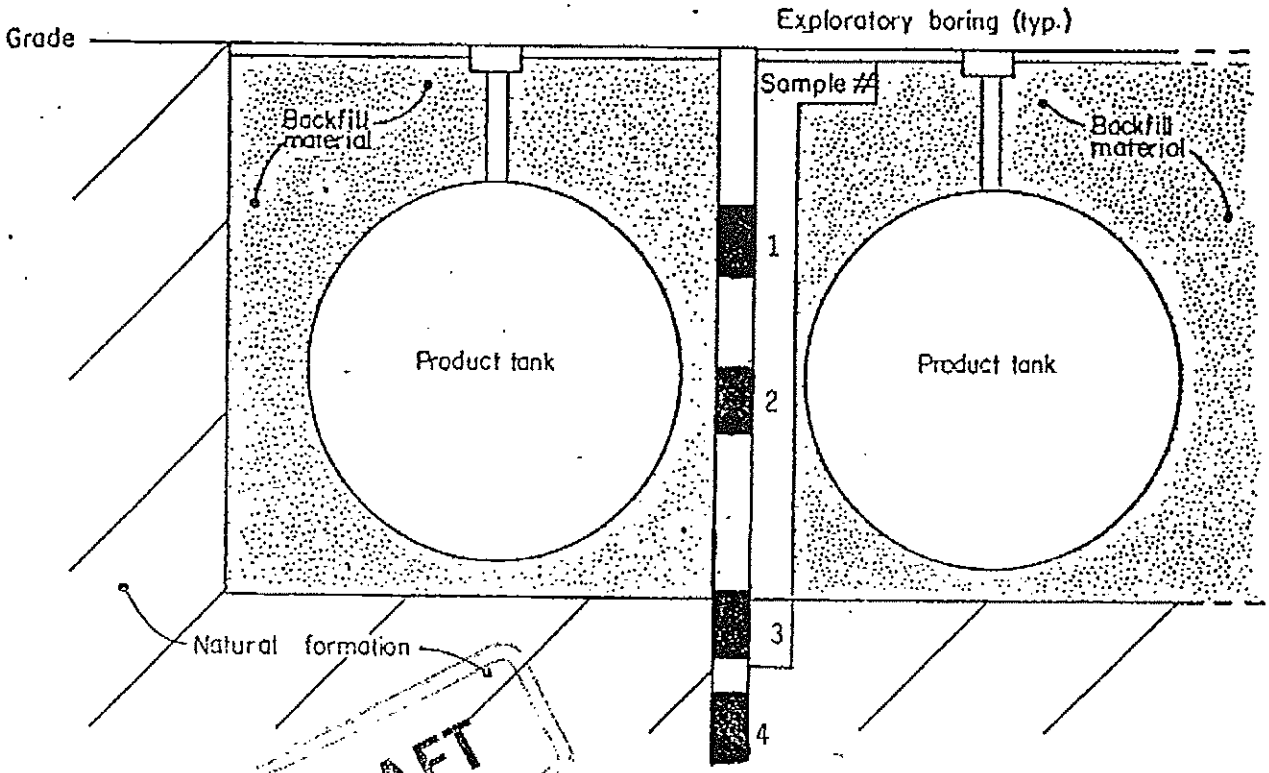
Compound	Results Parts per Million (dry soil basis) Detected	Detection Limit
Volatile Fuel Hydrocarbons (calculated as gasoline & includes benzene, toluene, xylenes and ethyl benzene)	nd	2.
Benzene	nd	0.1
Toluene	nd	0.1
Xylenes and ethyl benzene	nd	0.4

GETTLER-RYAN, INC.

GENERALIZED PROFILE OF SUBSURFACE TANK COMPLEX AND GASOLINE CONCENTRATIONS WITHIN BACKFILL MATERIAL

PROJECT NUMBER 738-60.01
PROJECT NAME Shell, 1st and Vineyard, Pleas.
NUMBER OF TANKS IN COMPLEX 4

MAPVIEW DIMENSIONS 40' x 25'
APPROXIMATE DEPTH 10 ½'



SAMPLE #	BORING	DEPTH INTERVAL	GASOLINE CONCENTRATION (parts per million)
1	S-8	3 ½' - 5'	2
2	S-8	7' - 8 ½'	460
3	S-8	10 ½' - 12'	610
4	S-8	14' - 15½'	1,300
		Detection Limit	2

APPENDIX E

CERTIFIED ANALYTICAL REPORTS WITH CHAIN-OF-CUSTODY DOCUMENTATION

Calscience Environmental Laboratories, Inc.

January 28, 2010

Suzanne McClurkin-Nelson
Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Subject: **Calscience Work Order No.: 10-01-1196**
Client Reference: 4212 1st St., Pleasanton, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/16/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.		Date Received:	01/16/10
312 Piercy Rd.		Work Order No:	10-01-1196
San Jose, CA 95138-1401		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 4212 1st St., Pleasanton, CA			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OBS-1@30'	**10-01-1196-5-A**	**01/13/10 09:10**	**Solid**	**GC/MS PP**	**01/20/10**	**01/21/10 06:03**	**100120L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		TPPH	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	71-137		1,2-Dichloroethane-d4	124	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	87	66-126	
Toluene-d8-TPPH	100	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OBS-1@35'	**10-01-1196-6-A**	**01/13/10 09:25**	**Solid**	**GC/MS PP**	**01/20/10**	**01/21/10 05:36**	**100120L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.0	200		Diisopropyl Ether (DIPE)	ND	2.0	200	
Ethylbenzene	ND	1.0	200		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	200	
Toluene	ND	1.0	200		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	200	
Xylenes (total)	ND	1.0	200		Ethanol	ND	100	200	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	200		TPPH	350	100	200	
Tert-Butyl Alcohol (TBA)	ND	10	200						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	71-137		1,2-Dichloroethane-d4	115	58-160	
Toluene-d8	110	87-111		1,4-Bromofluorobenzene	115	66-126	
Toluene-d8-TPPH	110	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OBS-1@40'	**10-01-1196-7-A**	**01/13/10 10:00**	**Solid**	**GC/MS PP**	**01/20/10**	**01/21/10 06:31**	**100120L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	0.0089	0.0050	1		TPPH	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	71-137		1,2-Dichloroethane-d4	120	58-160	
Toluene-d8	97	87-111		1,4-Bromofluorobenzene	89	66-126	
Toluene-d8-TPPH	97	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.		Date Received:	01/16/10
312 Piercy Rd.		Work Order No:	10-01-1196
San Jose, CA 95138-1401		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg

Project: 4212 1st St., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-771**	**N/A**	**Solid**	**GC/MS PP**	**01/20/10**	**01/21/10 01:03**	**100120L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		TPPH	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	71-137		1,2-Dichloroethane-d4	122	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	92	66-126	
Toluene-d8-TPPH	100	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-772**	**N/A**	**Solid**	**GC/MS PP**	**01/20/10**	**01/21/10 01:30**	**100120L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	100		Diisopropyl Ether (DIPE)	ND	1.0	100	
Ethylbenzene	ND	0.50	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	100	
Toluene	ND	0.50	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	100	
Xylenes (total)	ND	0.50	100		Ethanol	ND	50	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	100		TPPH	ND	50	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	71-137		1,2-Dichloroethane-d4	121	58-160	
Toluene-d8	98	87-111		1,4-Bromofluorobenzene	90	66-126	
Toluene-d8-TPPH	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/16/10
Work Order No: 10-01-1196
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-01-1198-9	**Solid**	**GC/MS PP**	**01/20/10**	**01/21/10**	**100120S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	87	96	40-142	10	0-18	
Carbon Tetrachloride	105	109	37-139	4	0-20	
Chlorobenzene	93	96	43-127	3	0-26	
1,2-Dibromoethane	101	107	70-130	6	0-30	
1,2-Dichlorobenzene	90	95	40-160	6	0-36	
1,1-Dichloroethene	94	101	16-178	7	0-25	
Ethylbenzene	100	108	70-130	8	0-30	
Toluene	85	94	44-128	10	0-15	
Trichloroethene	97	106	47-131	8	0-19	
Vinyl Chloride	82	94	29-161	13	0-42	
Methyl-t-Butyl Ether (MTBE)	0	0	42-150	6	0-34	3
Tert-Butyl Alcohol (TBA)	108	101	61-109	4	0-47	
Diisopropyl Ether (DIPE)	87	90	73-133	4	0-25	
Ethyl-t-Butyl Ether (ETBE)	94	100	73-132	6	0-25	
Tert-Amyl-Methyl Ether (TAME)	104	113	82-120	8	0-25	
Ethanol	47	61	39-117	26	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-01-1196
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-771	**Solid**	**GC/MS PP**	**01/20/10**	**01/20/10**	**100120L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	97	85-115	80-120	1	0-11	
Carbon Tetrachloride	116	116	68-134	57-145	0	0-14	
Chlorobenzene	106	103	83-119	77-125	3	0-9	
1,2-Dibromoethane	111	109	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	102	104	57-135	44-148	2	0-10	
1,1-Dichloroethene	108	110	72-120	64-128	2	0-10	
Ethylbenzene	115	114	80-120	73-127	1	0-20	
Toluene	95	94	67-127	57-137	1	0-10	
Trichloroethene	115	112	88-112	84-116	2	0-9	ME
Vinyl Chloride	98	101	57-129	45-141	3	0-16	
Methyl-t-Butyl Ether (MTBE)	103	101	76-124	68-132	2	0-12	
Tert-Butyl Alcohol (TBA)	117	108	31-145	12-164	8	0-23	
Diisopropyl Ether (DIPE)	95	94	74-128	65-137	2	0-10	
Ethyl-t-Butyl Ether (ETBE)	99	98	77-125	69-133	1	0-9	
Tert-Amyl-Methyl Ether (TAME)	105	103	81-123	74-130	1	0-10	
Ethanol	91	77	44-152	26-170	16	0-24	
TPPH	105	99	65-135	53-147	7	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-01-1196
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-772	**Solid**	**GC/MS PP**	**01/20/10**	**01/20/10**	**100120L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	97	85-115	80-120	1	0-11	
Carbon Tetrachloride	116	116	68-134	57-145	0	0-14	
Chlorobenzene	106	103	83-119	77-125	3	0-9	
1,2-Dibromoethane	111	109	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	102	104	57-135	44-148	2	0-10	
1,1-Dichloroethene	108	110	72-120	64-128	2	0-10	
Ethylbenzene	115	114	80-120	73-127	1	0-20	
Toluene	95	94	67-127	57-137	1	0-10	
Trichloroethene	115	112	88-112	84-116	2	0-9	ME
Vinyl Chloride	98	101	57-129	45-141	3	0-16	
Methyl-t-Butyl Ether (MTBE)	103	101	76-124	68-132	2	0-12	
Tert-Butyl Alcohol (TBA)	117	108	31-145	12-164	8	0-23	
Diisopropyl Ether (DIPE)	95	94	74-128	65-137	2	0-10	
Ethyl-t-Butyl Ether (ETBE)	99	98	77-125	69-133	1	0-9	
Tert-Amyl-Methyl Ether (TAME)	105	103	81-123	74-130	1	0-10	
Ethanol	91	77	44-152	26-170	16	0-24	
TPPH	105	99	65-135	53-147	7	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-01-1196

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☑ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES): 9 8 9 9 5 8 4 0 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 1/15/10

PAGE: 1 of 1

PO #:

SAP #: 1 3 5 7 8 2

SAMPLING COMPANY: Delta Consultants

LOG CODE:

SITE ADDRESS: Street and City: 4212 1st Street; Pleasanton Ca

State: CA

GLOBAL ID NO.:

ADDRESS: 312 Piercy Road; San Jose, CA 95138

EDF DELIVERABLE TO (Name, Company, Office Location): Angela Pico

PHONE NO.: 408-826-1862

E-MAIL: apico@deltaenv.com

CONSULTANT PROJECT NO.: SCA421211D

PROJECT CONTACT (Hardcopy or PDF Report to): Suzanne McClurkin- Nelson

TELEPHONE: 408-826-1875

FAX: 408-324-6801

E-MAIL: SMcClurkin-Nelson@deltaenv.com

SAMPLER NAME(S) (Print): Cora Olson

LAB USE ONLY: 10-01-1196

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Send results to: colson@deltaenv.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED

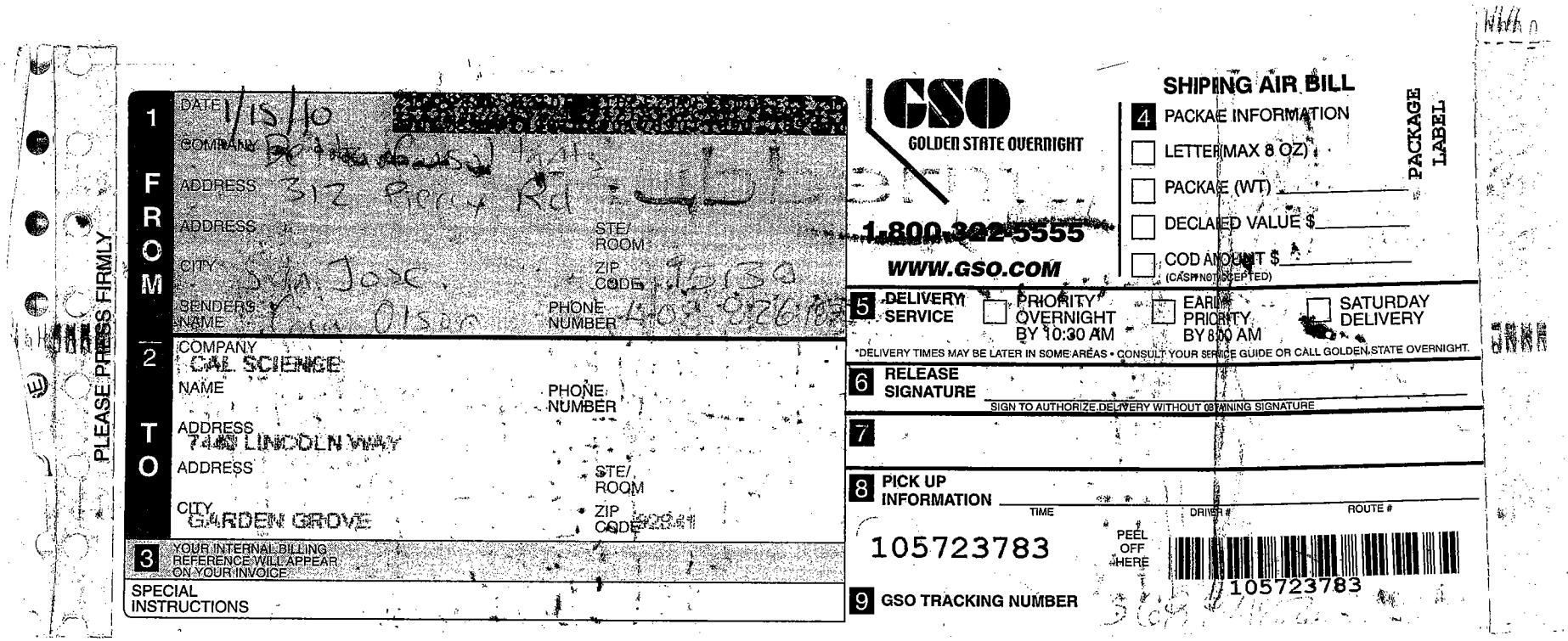
REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	All sites: TPH-G Purgeable (8260B)	BTEX (8260B)	5 Shell Oxygenates (8260B)	EDB (8260B)	EDC (8260B)	Ethanol (8260B)	+ diesel tank: TPH-D Extractable (8015M)			+ waste oil tank: full suite VOCs (8260B)	1,2-DCA and EDB (8260B)	CAM 5 Metals (6010)	PNA and cresote (8270)	PCBs (8082)	TPH-D Extractable (8015M)	Oil and grease (8015M)	Waste Characterization: CAM 17 Metals (6010)				TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	OBS-1@10'	1/13/10	8:30	Soil				X		1	X	X	X			X											HOLD				5- Shell Oxygenates =
2	OBS-1@15'	1/13/10	8:35							1																	HOLD				MTBE, TBA, DIPE
3	OBS-1@20'	1/13/10	8:45							1																	HOLD				ETBE, TAME
4	OBS-1@25'	1/13/10	8:55							1																	HOLD				
5	OBS-1@30'	1/13/10	9:10							1																					
6	OBS-1@35'	1/13/10	9:20							1																					
7	OBS-1@40'	1/13/10	9:30							1																					
8	OBS-1@45'	1/13/10	10:30	↓				↓		1	↓	↓	↓			↓											HOLD				

Relinquished by: (Signature)	Received by: (Signature)	Date: 1/15/10	Time:
Relinquished by: (Signature) 1400.	Received by: (Signature)	Date: 1/16/10	Time: 0930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

(1196)



PLEASE PRESS FIRMLY

1 FROM

DATE 1/15/10

COMPANY [redacted]

ADDRESS 312 Pico Rd

ADDRESS

CITY San Jose

STE/ ROOM

ZIP CODE 95134

SENDER'S NAME [redacted]

PHONE NUMBER 408-226-[redacted]

2 TO

COMPANY CAL SCIENCE

NAME

PHONE NUMBER

ADDRESS 7440 LINCOLN WAY

ADDRESS

STE/ ROOM

CITY GARDEN GROVE

ZIP CODE 92841

3 YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE

SPECIAL INSTRUCTIONS

GSO GOLDEN STATE OVERNIGHT

1.800.[redacted]5555

WWW.GSO.COM

SHIPING AIR BILL

PACKAGE LABEL

4 PACKAGE INFORMATION

- ☐ LETTER (MAX 8 OZ)
- ☐ PACKAGE (WT) _____
- ☐ DECLARED VALUE $ _____
- ☐ COD AMOUNT $ _____ (CASH NOT ACCEPTED)

5 DELIVERY SERVICE

- ☐ PRIORITY OVERNIGHT BY 10:30 AM
- ☐ EARLY PRIORITY BY 8:00 AM
- ☐ SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.

6 RELEASE SIGNATURE _____

SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

8 PICK UP INFORMATION _____ TIME DRIVER # ROUTE #

105723783

PEEL OFF HERE

9 GSO TRACKING NUMBER 105723783

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-01-1196

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Delta DATE: 01/16/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 4.8 °C + 0.5 °C (CF) = 5.3 °C ☐ Blank ☒ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: WSC

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☒ Not Present ☐ N/A Initial: WSC

☐ Sample ☐_____ ☐ No (Not Intact) ☒ Not Present Initial: WSC

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☒	☐	☐
COC document(s) received complete	☐	☒	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☒ No date/time relinquished.			
Sampler's name indicated on COC	☒	☐	☐
Sample container label(s) consistent with COC	☒	☐	☐
Sample container(s) intact and good condition	☒	☐	☐
Correct containers and volume for analyses requested	☒	☐	☐
Analyses received within holding time	☒	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☒
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☒
Tedlar bag(s) free of condensation	☐	☐	☒

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☒Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** WSC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** JLD

Preservative: h: HCL n: HNO3 na$_2$:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC

Calscience Environmental Laboratories, Inc.

January 28, 2010

Suzanne McClurkin-Nelson
Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Subject: **Calscience Work Order No.: 10-01-1198**
Client Reference: 4212 1st St., Pleasanton, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/16/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Project: 4212 1st St., Pleasanton, CA

Date Received: 01/16/10
Work Order No: 10-01-1198
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AS-10@30'	**10-01-1198-5-A**	**01/14/10 09:05**	**Solid**	**GC/MS PP**	**01/20/10**	**01/21/10 03:47**	**100120L03**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1		Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	
Ethylbenzene	ND	0.0050	0.00016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	
Toluene	ND	0.0050	0.00029	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	
Xylenes (total)	ND	0.0050	0.00032	1		Ethanol	ND	0.50	0.048	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1		TPPH	ND	0.50	0.13	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
Dibromofluoromethane	110	71-137		1,2-Dichloroethane-d4	125	58-160	
Toluene-d8	98	87-111		1,4-Bromofluorobenzene	84	66-126	
Toluene-d8-TPPH	99	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AS-10@35'	**10-01-1198-6-A**	**01/14/10 09:25**	**Solid**	**GC/MS PP**	**01/25/10**	**01/26/10 02:19**	**100125L04**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.020	100		Diisopropyl Ether (DIPE)	ND	1.0	0.034	100	
Ethylbenzene	0.50	0.50	0.016	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	0.028	100	
Toluene	ND	0.50	0.029	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	0.026	100	
Xylenes (total)	0.90	0.50	0.032	100		Ethanol	ND	50	4.8	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.025	100		TPPH	140	50	13	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	2.2	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	108	58-160	
Toluene-d8	105	87-111		1,4-Bromofluorobenzene	103	66-126	
Toluene-d8-TPPH	103	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/16/10
Work Order No: 10-01-1198
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 4212 1st St., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AS-10@40'	**10-01-1198-7-A**	**01/14/10 09:35**	**Solid**	**GC/MS PP**	**01/26/10**	**01/26/10 16:20**	**100126L02**

Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.020	100		Diisopropyl Ether (DIPE)	ND	1.0	0.034	100	
Ethylbenzene	ND	0.50	0.016	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	0.028	100	
Toluene	ND	0.50	0.029	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	0.026	100	
Xylenes (total)	ND	0.50	0.032	100		Ethanol	ND	50	4.8	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.025	100		TPPH	ND	50	13	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	2.2	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
Dibromofluoromethane	100	71-137		1,2-Dichloroethane-d4	110	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	94	66-126	
Toluene-d8-TPPH	100	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AS-10@45'	**10-01-1198-8-A**	**01/14/10 09:55**	**Solid**	**GC/MS PP**	**01/20/10**	**01/21/10 04:41**	**100120L03**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1		Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	
Ethylbenzene	ND	0.0050	0.00016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	
Toluene	ND	0.0050	0.00029	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	
Xylenes (total)	ND	0.0050	0.00032	1		Ethanol	ND	0.50	0.048	1	
Methyl-t-Butyl Ether (MTBE)	0.62	0.50	0.025	100		TPPH	0.90	0.50	0.13	1	
Tert-Butyl Alcohol (TBA)	0.19	0.050	0.022	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
Dibromofluoromethane	110	71-137		1,2-Dichloroethane-d4	125	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	93	66-126	
Toluene-d8-TPPH	100	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.		Date Received:	01/16/10
312 Piercy Rd.		Work Order No:	10-01-1198
San Jose, CA 95138-1401		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 4212 1st St., Pleasanton, CA			Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AS-10@50'	**10-01-1198-9-A**	**01/14/10 10:05**	**Solid**	**GC/MS PP**	**01/20/10**	**01/21/10 01:58**	**100120L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1		Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	
Ethylbenzene	ND	0.0050	0.00016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	
Toluene	ND	0.0050	0.00029	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	
Xylenes (total)	ND	0.0050	0.00032	1		Ethanol	ND	0.50	0.048	1	
Methyl-t-Butyl Ether (MTBE)	0.36	0.50	0.025	100	J	TPPH	1.4	0.50	0.13	1	
Tert-Butyl Alcohol (TBA)	0.14	0.050	0.022	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
Dibromofluoromethane	112	71-137		1,2-Dichloroethane-d4	123	58-160	
Toluene-d8	96	87-111		1,4-Bromofluorobenzene	94	66-126	
Toluene-d8-TPPH	96	87-111					

Method Blank	099-12-798-771	N/A	Solid	GC/MS PP	01/20/10	01/21/10 01:03	100120L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1		Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	
Ethylbenzene	ND	0.0050	0.00016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	
Toluene	ND	0.0050	0.00029	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	
Xylenes (total)	ND	0.0050	0.00032	1		Ethanol	ND	0.50	0.048	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1		TPPH	ND	0.50	0.13	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
Dibromofluoromethane	110	71-137		1,2-Dichloroethane-d4	122	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	92	66-126	
Toluene-d8-TPPH	100	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/16/10
Work Order No: 10-01-1198
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 4212 1st St., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-786**	**N/A**	**Solid**	**GC/MS PP**	**01/25/10**	**01/26/10 01:24**	**100125L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.020	100		Diisopropyl Ether (DIPE)	ND	1.0	0.034	100	
Ethylbenzene	ND	0.50	0.016	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	0.028	100	
Toluene	ND	0.50	0.029	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	0.026	100	
Xylenes (total)	ND	0.50	0.032	100		Ethanol	ND	50	4.8	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.025	100		TPPH	ND	50	13	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	2.2	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
Dibromofluoromethane	113	71-137		1,2-Dichloroethane-d4	127	58-160	
Toluene-d8	100	87-111		1,4-Bromofluorobenzene	88	66-126	
Toluene-d8-TPPH	99	87-111					

Method Blank	**099-12-798-790**	**N/A**	**Solid**	**GC/MS PP**	**01/26/10**	**01/26/10 14:04**	**100126L02**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.020	100		Diisopropyl Ether (DIPE)	ND	1.0	0.034	100	
Ethylbenzene	ND	0.50	0.016	100		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	0.028	100	
Toluene	ND	0.50	0.029	100		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	0.026	100	
Xylenes (total)	ND	0.50	0.032	100		Ethanol	ND	50	4.8	100	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.025	100		TPPH	ND	50	13	100	
Tert-Butyl Alcohol (TBA)	ND	5.0	2.2	100							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control l	Qual
Dibromofluoromethane	102	71-137		1,2-Dichloroethane-d4	111	58-160	
Toluene-d8	98	87-111		1,4-Bromofluorobenzene	94	66-126	
Toluene-d8-TPPH	97	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/16/10
Work Order No: 10-01-1198
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
AS-10@50'	**Solid**	**GC/MS PP**	**01/20/10**	**01/21/10**	**100120S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	87	96	40-142	10	0-18	
Carbon Tetrachloride	105	109	37-139	4	0-20	
Chlorobenzene	93	96	43-127	3	0-26	
1,2-Dibromoethane	101	107	70-130	6	0-30	
1,2-Dichlorobenzene	90	95	40-160	6	0-36	
1,1-Dichloroethene	94	101	16-178	7	0-25	
Ethylbenzene	100	108	70-130	8	0-30	
Toluene	85	94	44-128	10	0-15	
Trichloroethene	97	106	47-131	8	0-19	
Vinyl Chloride	82	94	29-161	13	0-42	
Methyl-t-Butyl Ether (MTBE)	0	0	42-150	6	0-34	3
Tert-Butyl Alcohol (TBA)	108	101	61-109	4	0-47	
Diisopropyl Ether (DIPE)	87	90	73-133	4	0-25	
Ethyl-t-Butyl Ether (ETBE)	94	100	73-132	6	0-25	
Tert-Amyl-Methyl Ether (TAME)	104	113	82-120	8	0-25	
Ethanol	47	61	39-117	26	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/16/10
Work Order No: 10-01-1198
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-01-1572-2	**Solid**	**GC/MS PP**	**01/25/10**	**01/25/10**	**100125S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	108	103	40-142	5	0-18	
Carbon Tetrachloride	119	119	37-139	0	0-20	
Chlorobenzene	103	97	43-127	5	0-26	
1,2-Dibromoethane	104	100	70-130	4	0-30	
1,2-Dichlorobenzene	97	94	40-160	4	0-36	
1,1-Dichloroethene	123	123	16-178	0	0-25	
Ethylbenzene	117	107	70-130	9	0-30	
Toluene	104	96	44-128	8	0-15	
Trichloroethene	105	102	47-131	3	0-19	
Vinyl Chloride	100	101	29-161	0	0-42	
Methyl-t-Butyl Ether (MTBE)	105	117	42-150	10	0-34	
Tert-Butyl Alcohol (TBA)	100	107	61-109	7	0-47	
Diisopropyl Ether (DIPE)	126	132	73-133	4	0-25	
Ethyl-t-Butyl Ether (ETBE)	109	118	73-132	8	0-25	
Tert-Amyl-Methyl Ether (TAME)	111	105	82-120	5	0-25	
Ethanol	94	96	39-117	2	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/16/10
Work Order No: 10-01-1198
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-01-1772-1	**Solid**	**GC/MS PP**	**01/26/10**	**01/26/10**	**100126S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	100	40-142	4	0-18	
Carbon Tetrachloride	102	106	37-139	4	0-20	
Chlorobenzene	98	98	43-127	0	0-26	
1,2-Dibromoethane	96	97	70-130	1	0-30	
1,2-Dichlorobenzene	92	99	40-160	8	0-36	
1,1-Dichloroethene	97	101	16-178	5	0-25	
Ethylbenzene	106	105	70-130	1	0-30	
Toluene	92	98	44-128	6	0-15	
Trichloroethene	97	101	47-131	4	0-19	
Vinyl Chloride	85	88	29-161	4	0-42	
Methyl-t-Butyl Ether (MTBE)	91	95	42-150	4	0-34	
Tert-Butyl Alcohol (TBA)	95	105	61-109	10	0-47	
Diisopropyl Ether (DIPE)	89	92	73-133	3	0-25	
Ethyl-t-Butyl Ether (ETBE)	90	94	73-132	5	0-25	
Tert-Amyl-Methyl Ether (TAME)	98	103	82-120	5	0-25	
Ethanol	90	94	39-117	4	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-01-1198
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-771	**Solid**	**GC/MS PP**	**01/20/10**	**01/20/10**	**100120L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	97	85-115	80-120	1	0-11	
Carbon Tetrachloride	116	116	68-134	57-145	0	0-14	
Chlorobenzene	106	103	83-119	77-125	3	0-9	
1,2-Dibromoethane	111	109	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	102	104	57-135	44-148	2	0-10	
1,1-Dichloroethene	108	110	72-120	64-128	2	0-10	
Ethylbenzene	115	114	80-120	73-127	1	0-20	
Toluene	95	94	67-127	57-137	1	0-10	
Trichloroethene	115	112	88-112	84-116	2	0-9	ME
Vinyl Chloride	98	101	57-129	45-141	3	0-16	
Methyl-t-Butyl Ether (MTBE)	103	101	76-124	68-132	2	0-12	
Tert-Butyl Alcohol (TBA)	117	108	31-145	12-164	8	0-23	
Diisopropyl Ether (DIPE)	95	94	74-128	65-137	2	0-10	
Ethyl-t-Butyl Ether (ETBE)	99	98	77-125	69-133	1	0-9	
Tert-Amyl-Methyl Ether (TAME)	105	103	81-123	74-130	1	0-10	
Ethanol	91	77	44-152	26-170	16	0-24	
TPPH	105	99	65-135	53-147	7	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-01-1198
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-786	**Solid**	**GC/MS PP**	**01/25/10**	**01/25/10**	**100125L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	110	110	85-115	80-120	0	0-11	
Carbon Tetrachloride	119	122	68-134	57-145	2	0-14	
Chlorobenzene	103	100	83-119	77-125	3	0-9	
1,2-Dibromoethane	103	106	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	104	98	57-135	44-148	6	0-10	
1,1-Dichloroethene	124	125	72-120	64-128	1	0-10	ME
Ethylbenzene	116	113	80-120	73-127	3	0-20	
Toluene	107	106	67-127	57-137	1	0-10	
Trichloroethene	110	106	88-112	84-116	3	0-9	
Vinyl Chloride	104	109	57-129	45-141	5	0-16	
Methyl-t-Butyl Ether (MTBE)	111	118	76-124	68-132	6	0-12	
Tert-Butyl Alcohol (TBA)	104	112	31-145	12-164	7	0-23	
Diisopropyl Ether (DIPE)	128	136	74-128	65-137	6	0-10	ME
Ethyl-t-Butyl Ether (ETBE)	110	119	77-125	69-133	8	0-9	
Tert-Amyl-Methyl Ether (TAME)	110	113	81-123	74-130	2	0-10	
Ethanol	114	97	44-152	26-170	16	0-24	
TPPH	105	102	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 2
Total number of ME compounds allowed : 1
LCS ME CL validation result : Not Pass(See Narrative)

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-01-1198
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-790	**Solid**	**GC/MS PP**	**01/26/10**	**01/26/10**	**100126L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	90	85-115	80-120	11	0-11	
Carbon Tetrachloride	105	93	68-134	57-145	12	0-14	
Chlorobenzene	97	89	83-119	77-125	8	0-9	
1,2-Dibromoethane	100	91	80-120	73-127	9	0-20	
1,2-Dichlorobenzene	93	86	57-135	44-148	8	0-10	
1,1-Dichloroethene	98	87	72-120	64-128	13	0-10	X
Ethylbenzene	104	93	80-120	73-127	11	0-20	
Toluene	98	86	67-127	57-137	13	0-10	X
Trichloroethene	101	86	88-112	84-116	16	0-9	X,ME
Vinyl Chloride	94	78	57-129	45-141	18	0-16	X
Methyl-t-Butyl Ether (MTBE)	95	91	76-124	68-132	4	0-12	
Tert-Butyl Alcohol (TBA)	102	104	31-145	12-164	2	0-23	
Diisopropyl Ether (DIPE)	91	86	74-128	65-137	5	0-10	
Ethyl-t-Butyl Ether (ETBE)	95	86	77-125	69-133	9	0-9	
Tert-Amyl-Methyl Ether (TAME)	103	94	81-123	74-130	8	0-10	
Ethanol	90	87	44-152	26-170	3	0-24	
TPPH	100	93	65-135	53-147	7	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-01-1198

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☑ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES): 9 8 9 9 5 8 4 0 ☐ CHECK IF NO INCIDENT # APPLIES

PO #

SAP #: 1 3 5 7 8 2

DATE: 1/15/10

PAGE: 1 of 1

SAMPLING COMPANY: Delta Consultants	LOG CODE:	SITE ADDRESS: Street and City: 4212 1st Street; Pleasanton Ca	State: CA
ADDRESS: 312 Piercy Road; San Jose, CA 95138		GLOBAL ID NO.:	
PROJECT CONTACT (Hardcopy or PDF Report to): Suzanne McClurkin- Nelson		EDF DELIVERABLE TO (Name, Company, Office Location): Angela Pico	PHONE NO.: 408-826-1862
TELEPHONE: 408-826-1875	FAX: 408-324-6801	E-MAIL: SMcClurkin-Nelson@deltaenv.com	E-MAIL: apico@deltaenv.com
SAMPLER NAME(S) (Print): Cora Olson		CONSULTANT PROJECT NO.: SCA421211D	LAB USE ONLY: 10-01-1198

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Send results to: colson@deltaenv.com

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED

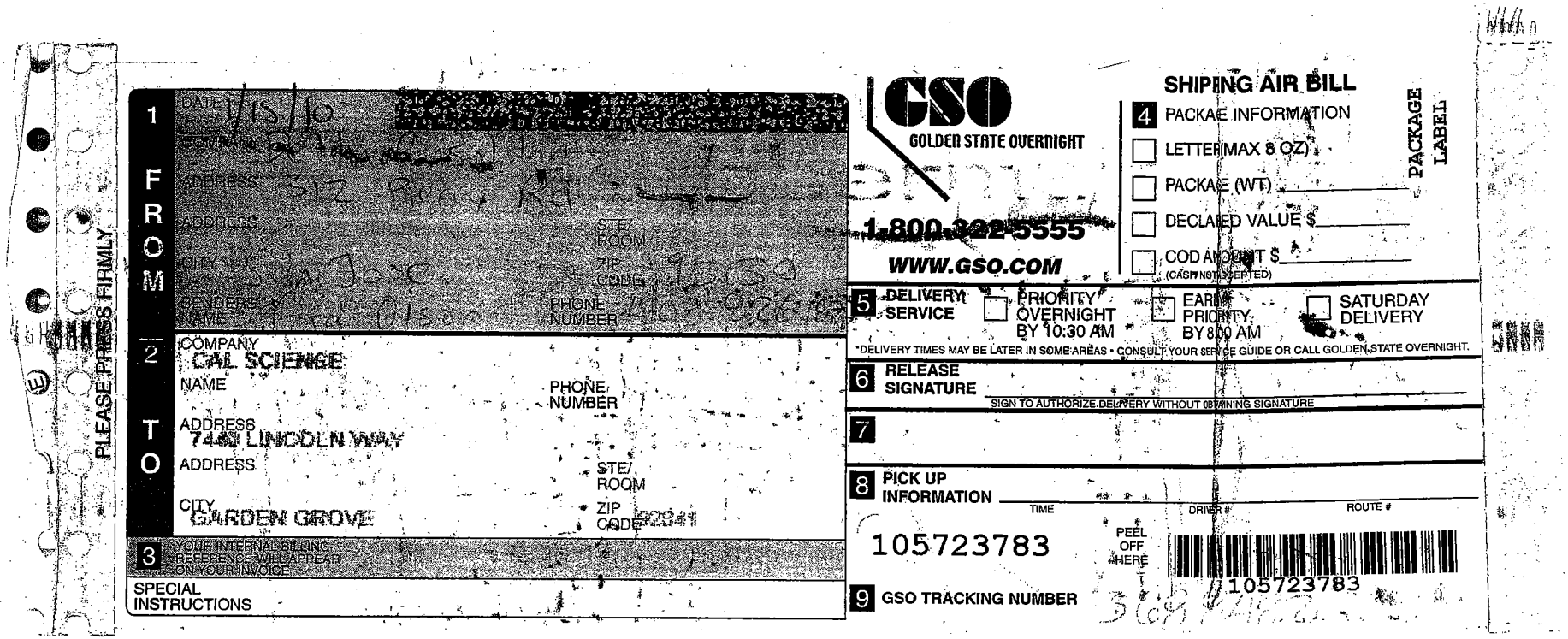
REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	All sites: TPH-G Purgeable (8260B)	BTEX (8260B)	5 Shell Oxygenates (8260B)	EDB (8260B)	EDC (8260B)	Ethanol (8260B)	+ diesel tank: TPH-D Extractable (8015M)			+ waste oil tank: full suite VOCs (8260B)	1,2-DCA and EDB (8260B)	CAM 5 Metals (6010)	PNA and cresote (8270)	PCBs (8082)	TPH-D Extractable (8015M)	Oil and grease (8015M)	Waste Characterization: CAM 17 Metals (6010)				TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	AS-10@10'	1/14/10	8:35	Soil				X		1	X	X	X			X											HOLD				5- Shell Oxygenates =
2	AS-10@15'	1/14/10	8:40							1																	HOLD				MTBE, TBA, DIPE
3	AS-10@20'	1/14/10	8:45							1																	HOLD				ETBE, TAME
4	AS-10@25'	1/14/10	8:55							1																	HOLD				
5	AS-10@30'	1/14/10	9:05							1																					
6	AS-10@35'	1/14/10	9:25							1																					
7	AS-10@40'	1/14/10	9:35							1																					
8	AS-10@45'	1/14/10	9:55							1																					
9	AS-10@50'	1/14/10	10:05	↓				↓		1	↓	↓	↓			↓															

Relinquished by: (Signature)	Received by: (Signature)	Date: 1/15/10	Time:
Relinquished by: (Signature) GSO	Received by: (Signature) CCL	Date: 1/16/10	Time: 0930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

(198)



PLEASE PRESS FIRMLY

1 FROM

DATE 1/15/10

COMPANY

NAME

ADDRESS

ADDRESS

STE/ ROOM

CITY

ZIP CODE

SENDER'S NAME

PHONE NUMBER

2 TO

COMPANY CAL SCIENCE

NAME

PHONE NUMBER

ADDRESS 7440 LINCOLN WAY

ADDRESS

STE/ ROOM

CITY GARDEN GROVE

ZIP CODE 92841

3 YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE

SPECIAL INSTRUCTIONS

GSO GOLDEN STATE OVERNIGHT

1.800.322.5555

WWW.GSO.COM

SHIPING AIR BILL

PACKAGE LABEL

4 PACKAGE INFORMATION

☐ LETTER (MAX 8 OZ)

☐ PACKAGE (WT) _____

☐ DECLARED VALUE $ _____

☐ COD AMOUNT $ _____ (CASH NOT ACCEPTED)

5 DELIVERY SERVICE ☐ PRIORITY OVERNIGHT BY 10:30 AM ☐ EARLY PRIORITY BY 8:00 AM ☐ SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.

6 RELEASE SIGNATURE _____

SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

8 PICK UP INFORMATION _____ TIME _____ DRIVER # _____ ROUTE #

105723783

PEEL OFF HERE

9 GSO TRACKING NUMBER

105723783

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-01-1198

SAMPLE RECEIPT FORM

Cooler 1 **of** 1

CLIENT: Delta **DATE:** 01/16/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 4.8 °C + 0.5 °C (CF) = 5.3 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** WSC

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** WSC

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** WSC

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☑ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** WSC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** JH

Preservative: h: HCL n: HNO3 na$_2$:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC

Calscience Environmental Laboratories, Inc.

January 28, 2010

Suzanne McClurkin-Nelson
Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Subject: **Calscience Work Order No.: 10-01-1199**
Client Reference: 4212 1st St., Pleasanton, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/16/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.		Date Received:	01/16/10
312 Piercy Rd.		Work Order No:	10-01-1199
San Jose, CA 95138-1401		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	mg/kg
Project: 4212 1st St., Pleasanton, CA			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVE-1@30'	**10-01-1199-5-A**	**01/14/10 14:15**	**Solid**	**GC/MS UU**	**01/20/10**	**01/20/10 22:47**	**100120L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		TPPH	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	71-137		1,2-Dichloroethane-d4	111	58-160	
Toluene-d8	101	87-111		1,4-Bromofluorobenzene	94	66-126	
Toluene-d8-TPPH	102	87-111					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-798-767**	**N/A**	**Solid**	**GC/MS UU**	**01/20/10**	**01/20/10 16:02**	**100120L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Ethylbenzene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
Toluene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
Xylenes (total)	ND	0.0050	1		Ethanol	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1		TPPH	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	0.050	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	95	71-137		1,2-Dichloroethane-d4	110	58-160	
Toluene-d8	99	87-111		1,4-Bromofluorobenzene	95	66-126	
Toluene-d8-TPPH	101	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/16/10
Work Order No: 10-01-1199
Preparation: EPA 5030B
Method: EPA 8260B

Project 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-01-1061-7	**Solid**	**GC/MS UU**	**01/20/10**	**01/20/10**	**100120S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	99	40-142	0	0-18	
Carbon Tetrachloride	94	91	37-139	3	0-20	
Chlorobenzene	95	93	43-127	2	0-26	
1,2-Dibromoethane	98	93	70-130	5	0-30	
1,2-Dichlorobenzene	94	95	40-160	1	0-36	
1,1-Dichloroethene	101	98	16-178	3	0-25	
Ethylbenzene	98	98	70-130	1	0-30	
Toluene	93	94	44-128	1	0-15	
Trichloroethene	94	94	47-131	0	0-19	
Vinyl Chloride	93	92	29-161	1	0-42	
Methyl-t-Butyl Ether (MTBE)	112	109	42-150	3	0-34	
Tert-Butyl Alcohol (TBA)	102	98	61-109	4	0-47	
Diisopropyl Ether (DIPE)	124	121	73-133	2	0-25	
Ethyl-t-Butyl Ether (ETBE)	119	115	73-132	3	0-25	
Tert-Amyl-Methyl Ether (TAME)	105	105	82-120	0	0-25	
Ethanol	97	96	39-117	1	0-99	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-01-1199
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-798-767	**Solid**	**GC/MS UU**	**01/20/10**	**01/20/10**	**100120L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	96	90	85-115	80-120	6	0-11	
Carbon Tetrachloride	92	86	68-134	57-145	7	0-14	
Chlorobenzene	92	88	83-119	77-125	5	0-9	
1,2-Dibromoethane	96	97	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	93	91	57-135	44-148	2	0-10	
1,1-Dichloroethene	97	88	72-120	64-128	10	0-10	
Ethylbenzene	97	89	80-120	73-127	8	0-20	
Toluene	93	87	67-127	57-137	7	0-10	
Trichloroethene	92	88	88-112	84-116	5	0-9	
Vinyl Chloride	89	77	57-129	45-141	14	0-16	
Methyl-t-Butyl Ether (MTBE)	110	113	76-124	68-132	2	0-12	
Tert-Butyl Alcohol (TBA)	94	94	31-145	12-164	0	0-23	
Diisopropyl Ether (DIPE)	122	118	74-128	65-137	3	0-10	
Ethyl-t-Butyl Ether (ETBE)	119	117	77-125	69-133	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	109	107	81-123	74-130	2	0-10	
Ethanol	90	101	44-152	26-170	12	0-24	
TPPH	94	96	65-135	53-147	2	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-01-1199

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- [x] CALSCIENCE (_____)
- [ ] SPL (_____)
- [ ] XENCO (_____)
- [ ] TEST AMERICA (_____)
- [ ] OTHER (_____)

Please Check Appropriate Box:
- [ ] ENV. SERVICES
- [ ] MOTIVA RETAIL
- [x] SHELL RETAIL
- [ ] MOTIVA SD&CM
- [ ] CONSULTANT
- [ ] LUBES
- [ ] SHELL PIPELINE
- [ ] OTHER

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES): 98995840 [ ] CHECK IF NO INCIDENT # APPLIES

DATE: 1/15/10

PO #:

SAP #: 135782

PAGE: 1 of 1

SAMPLING COMPANY: Delta Consultants	LOG CODE:
ADDRESS: 312 Piercy Road; San Jose, CA 95138	
PROJECT CONTACT (Hardcopy or PDF Report to): Suzanne McClurkin- Nelson	
TELEPHONE: 408-826-1875	FAX: 408-324-6801
E-MAIL: SMcClurkin-Nelson@deltaenv.com	

SITE ADDRESS: Street and City: 4212 1st Street; Pleasanton Ca | State: CA | GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): Angela Pico | PHONE NO.: 408-826-1862 | E-MAIL: apico@deltaenv.com | CONSULTANT PROJECT NO.: SCA421211D

SAMPLER NAME(S) (Print): Cora Olson

LAB USE ONLY: 10-01-1199

TURNAROUND TIME (CALENDAR DAYS):
- [x] STANDARD (14 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Send results to: colson@deltaenv.com

- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMBURSEMENT RATE APPLIES
- [ ] EDD NOT NEEDED
- [ ] RECEIPT VERIFICATION REQUESTED

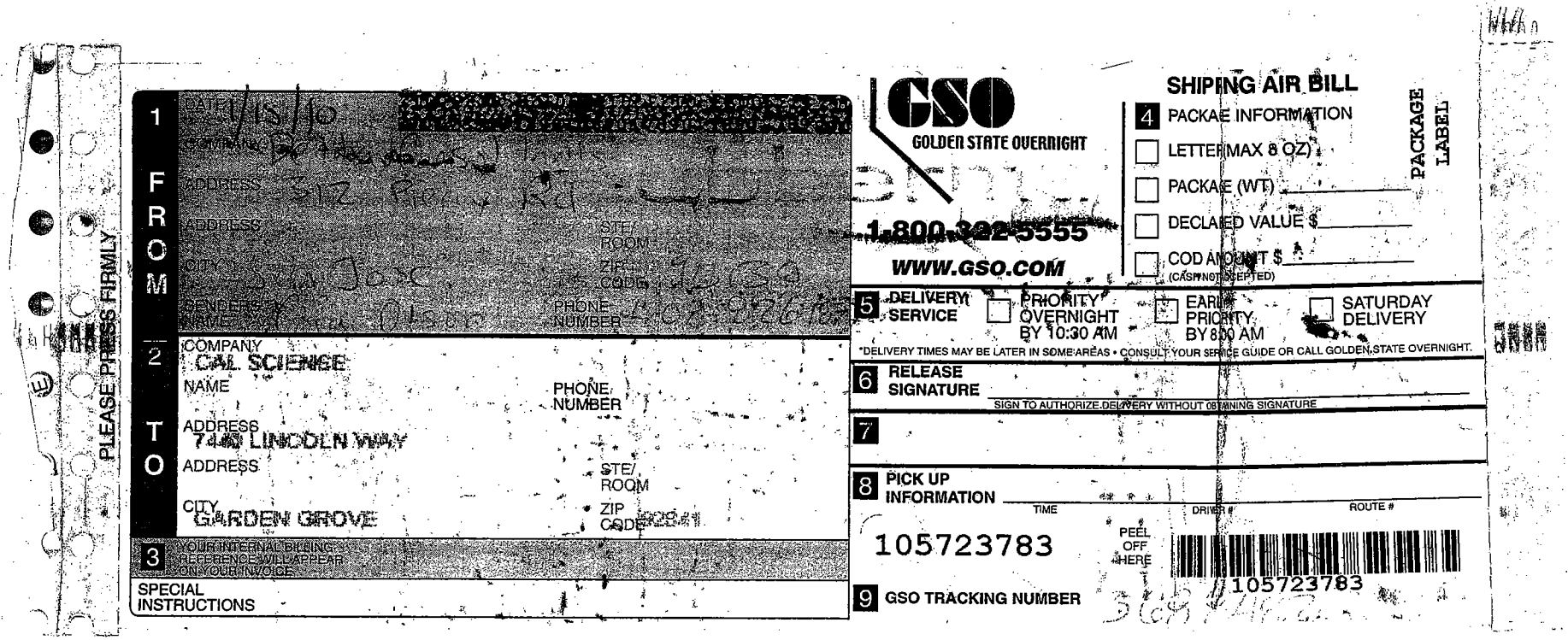
REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	All sites: TPH-G Purgeable (8260B)	BTEX (8260B)	5 Shell Oxygenates (8260B)	EDB (8260B)	EDC (8260B)	Ethanol (8260B)	+ diesel tank: TPH-D Extractable (8015M)			+ waste oil tank: full suite VOCs (8260B)	1,2-DCA and EDB (8260B)	CAM 5 Metals (6010)	PNA and cresote (8270)	PCBs (8082)	TPH-D Extractable (8015M)	Oil and grease (8015M)	Waste Characterization: CAM 17 Metals (6010)				TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	SVE-1 @ 10'	1/14/10	1:40p	Soil				X		1	X	X	X			X											HOLD				5- Shell Oxygenates =
2	SVE-1 @ 15'	1/14/10	1:50p							1																	HOLD				MTBE, TBA, DIPE
3	SVE-1 @ 20'	1/14/10	2:00p							1																	HOLD				ETBE, TAME
4	SVE-1 @ 25'	1/14/10	2:05p							1																	HOLD				
5	SVE-1 @ 30'	1/14/10	2:15p							1																					

Relinquished by: (Signature)	Received by: (Signature)	Date: 1/15/10	Time:
Relinquished by: (Signature) G.SO	Received by: (Signature) CGL	Date: 1/16/10	Time: 0930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

(199)



PLEASE PRESS FIRMLY

1 FROM

DATE 1/15/16

COMPANY

NAME

ADDRESS 312 E

ADDRESS

CITY

GENDER

STE/ ROOM

ZIP CODE

PHONE NUMBER

2 TO

COMPANY CAL SCIENCE

NAME

PHONE NUMBER

ADDRESS 7440 LINCOLN WAY

ADDRESS

STE/ ROOM

CITY GARDEN GROVE

ZIP CODE

3 YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE

SPECIAL INSTRUCTIONS

GSO GOLDEN STATE OVERNIGHT

1.800.322.5555

WWW.GSO.COM

SHIPING AIR BILL

PACKAGE LABEL

4 PACKAGE INFORMATION

☐ LETTER (MAX 8 OZ)

☐ PACKAGE (WT) _____

☐ DECLARED VALUE $ _____

☐ COD AMOUNT $ _____ (CASH NOT ACCEPTED)

5 DELIVERY SERVICE

☐ PRIORITY OVERNIGHT BY 10:30 AM

☐ EARLY PRIORITY BY 8:00 AM

☐ SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.

6 RELEASE SIGNATURE

SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

8 PICK UP INFORMATION _____ TIME _____ DRIVER # _____ ROUTE #

105723783

PEEL OFF HERE

9 GSO TRACKING NUMBER 105723783

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-01-1199

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Delta DATE: 01/16/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 4.8 °C + 0.5 °C (CF) = 5.3 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** WSC

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** WSC

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** WSC

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☑ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na_2** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na_2** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na_2** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** WSC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** JD

Preservative: h: HCL n: HNO3 **na_2**:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC

Calscience Environmental Laboratories, Inc.

February 12, 2010

Suzanne McClurkin-Nelson
Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Subject: **Calscience Work Order No.: 10-01-2253**
Client Reference: 4212 1st St., Pleasanton, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/30/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/30/10
Work Order No: 10-01-2253
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 4212 1st St., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OBS-1 Pre-test	**10-01-2253-1-B**	**01/26/10 10:10**	**Aqueous**	**GC/MS U**	**02/05/10**	**02/06/10 01:42**	**100205L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.0	2		Diisopropyl Ether (DIPE)	12	4.0	2	
Ethylbenzene	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
Toluene	ND	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
Xylenes (total)	ND	2.0	2		Ethanol	ND	200	2	
Methyl-t-Butyl Ether (MTBE)	220	2.0	2		TPPH	680	100	2	
Tert-Butyl Alcohol (TBA)	200	20	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	80-132		1,2-Dichloroethane-d4	103	80-141	
Toluene-d8	100	80-120		Toluene-d8-TPPH	95	88-112	
1,4-Bromofluorobenzene	98	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4 Pre-test	**10-01-2253-2-B**	**01/26/10 10:55**	**Aqueous**	**GC/MS U**	**02/05/10**	**02/06/10 02:11**	**100205L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	50	100		Diisopropyl Ether (DIPE)	ND	200	100	
Ethylbenzene	ND	100	100		Ethyl-t-Butyl Ether (ETBE)	ND	200	100	
Toluene	ND	100	100		Tert-Amyl-Methyl Ether (TAME)	ND	200	100	
Xylenes (total)	ND	100	100		Ethanol	ND	10000	100	
Methyl-t-Butyl Ether (MTBE)	8900	100	100		TPPH	8500	5000	100	
Tert-Butyl Alcohol (TBA)	ND	1000	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-132		1,2-Dichloroethane-d4	100	80-141	
Toluene-d8	99	80-120		Toluene-d8-TPPH	94	88-112	
1,4-Bromofluorobenzene	99	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1B Pre-test	**10-01-2253-3-C**	**01/26/10 11:10**	**Aqueous**	**GC/MS U**	**02/05/10**	**02/06/10 02:41**	**100205L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-132		1,2-Dichloroethane-d4	103	80-141	
Toluene-d8	100	80-120		Toluene-d8-TPPH	95	88-112	
1,4-Bromofluorobenzene	98	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/30/10
Work Order No: 10-01-2253
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 4212 1st St., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4 Post-test	**10-01-2253-4-B**	**01/26/10 15:00**	**Aqueous**	**GC/MS U**	**02/08/10**	**02/08/10 15:45**	**100208L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	12	25		Diisopropyl Ether (DIPE)	ND	50	25	
Ethylbenzene	48	25	25		Ethyl-t-Butyl Ether (ETBE)	ND	50	25	
Toluene	ND	25	25		Tert-Amyl-Methyl Ether (TAME)	ND	50	25	
Xylenes (total)	71	25	25		Ethanol	ND	2500	25	
Methyl-t-Butyl Ether (MTBE)	3400	25	25		TPPH	11000	1200	25	
Tert-Butyl Alcohol (TBA)	1900	250	25						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-132		1,2-Dichloroethane-d4	104	80-141	
Toluene-d8	100	80-120		Toluene-d8-TPPH	95	88-112	
1,4-Bromofluorobenzene	100	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1B Post-test	**10-01-2253-5-B**	**01/26/10 15:10**	**Aqueous**	**GC/MS U**	**02/08/10**	**02/08/10 16:16**	**100208L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	80-132		1,2-Dichloroethane-d4	107	80-141	
Toluene-d8	98	80-120		Toluene-d8-TPPH	94	88-112	
1,4-Bromofluorobenzene	103	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OBS-1 Post-test	**10-01-2253-6-A**	**01/26/10 15:20**	**Aqueous**	**GC/MS U**	**02/05/10**	**02/06/10 04:10**	**100205L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.74	0.50	1		Diisopropyl Ether (DIPE)	11	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	270	2.0	2		TPPH	690	50	1	
Tert-Butyl Alcohol (TBA)	190	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-132		1,2-Dichloroethane-d4	101	80-141	
Toluene-d8	101	80-120		Toluene-d8-TPPH	96	88-112	
1,4-Bromofluorobenzene	101	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/30/10
Work Order No: 10-01-2253
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 4212 1st St., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-3,352**	**N/A**	**Aqueous**	**GC/MS U**	**02/05/10**	**02/05/10 23:14**	**100205L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-132		1,2-Dichloroethane-d4	103	80-141	
Toluene-d8	99	80-120		Toluene-d8-TPPH	95	88-112	
1,4-Bromofluorobenzene	98	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-3,353**	**N/A**	**Aqueous**	**GC/MS U**	**02/08/10**	**02/08/10 12:44**	**100208L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-132		1,2-Dichloroethane-d4	105	80-141	
Toluene-d8	98	80-120		Toluene-d8-TPPH	94	88-112	
1,4-Bromofluorobenzene	100	76-120					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/30/10
Work Order No: 10-01-2253
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-02-0077-1	**Aqueous**	**GC/MS U**	**02/05/10**	**02/06/10**	**100205S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	72-120	0	0-20	
Carbon Tetrachloride	93	98	63-135	6	0-20	
Chlorobenzene	96	96	80-120	0	0-20	
1,2-Dibromoethane	94	93	80-120	1	0-20	
1,2-Dichlorobenzene	94	93	80-120	1	0-20	
1,1-Dichloroethene	95	96	60-132	1	0-24	
Ethylbenzene	98	98	78-120	0	0-20	
Toluene	95	96	74-122	0	0-20	
Trichloroethene	97	96	69-120	1	0-20	
Vinyl Chloride	93	92	58-130	1	0-20	
Methyl-t-Butyl Ether (MTBE)	98	99	72-126	1	0-21	
Tert-Butyl Alcohol (TBA)	98	106	72-126	8	0-20	
Diisopropyl Ether (DIPE)	101	102	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	101	103	74-128	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	99	100	76-124	1	0-20	
Ethanol	87	94	35-167	9	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 01/30/10
Work Order No: 10-01-2253
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-02-0008-9	**Aqueous**	**GC/MS U**	**02/08/10**	**02/08/10**	**100208S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	97	72-120	0	0-20	
Carbon Tetrachloride	93	95	63-135	2	0-20	
Chlorobenzene	97	95	80-120	1	0-20	
1,2-Dibromoethane	98	96	80-120	2	0-20	
1,2-Dichlorobenzene	93	94	80-120	1	0-20	
1,1-Dichloroethene	99	100	60-132	1	0-24	
Ethylbenzene	98	97	78-120	1	0-20	
Toluene	96	97	74-122	1	0-20	
Trichloroethene	97	99	69-120	1	0-20	
Vinyl Chloride	91	91	58-130	1	0-20	
Methyl-t-Butyl Ether (MTBE)	108	109	72-126	0	0-21	
Tert-Butyl Alcohol (TBA)	107	102	72-126	4	0-20	
Diisopropyl Ether (DIPE)	105	105	71-137	0	0-23	
Ethyl-t-Butyl Ether (ETBE)	108	108	74-128	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	105	106	76-124	1	0-20	
Ethanol	93	87	35-167	6	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.		Date Received:	N/A
312 Piercy Rd.		Work Order No:	10-01-2253
San Jose, CA 95138-1401		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project: 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-3,352	**Aqueous**	**GC/MS U**	**02/05/10**	**02/05/10**	**100205L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	90	95	80-122	73-129	6	0-20	
Carbon Tetrachloride	88	98	68-140	56-152	11	0-20	
Chlorobenzene	91	96	80-120	73-127	5	0-20	
1,2-Dibromoethane	90	95	80-121	73-128	5	0-20	
1,2-Dichlorobenzene	89	94	80-120	73-127	6	0-20	
1,1-Dichloroethene	90	99	72-132	62-142	10	0-25	
Ethylbenzene	93	98	80-126	72-134	6	0-20	
Toluene	91	95	80-121	73-128	4	0-20	
Trichloroethene	91	96	80-123	73-130	6	0-20	
Vinyl Chloride	94	100	67-133	56-144	7	0-20	
Methyl-t-Butyl Ether (MTBE)	93	99	75-123	67-131	5	0-20	
Tert-Butyl Alcohol (TBA)	96	104	75-123	67-131	8	0-20	
Diisopropyl Ether (DIPE)	95	99	71-131	61-141	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	95	100	76-124	68-132	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	94	99	80-123	73-130	4	0-20	
Ethanol	89	90	61-139	48-152	1	0-27	
TPPH	96	99	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-01-2253
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4212 1st St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-3,353	**Aqueous**	**GC/MS U**	**02/08/10**	**02/08/10**	**100208L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	93	80-122	73-129	5	0-20	
Carbon Tetrachloride	94	94	68-140	56-152	1	0-20	
Chlorobenzene	98	91	80-120	73-127	7	0-20	
1,2-Dibromoethane	100	93	80-121	73-128	8	0-20	
1,2-Dichlorobenzene	96	91	80-120	73-127	5	0-20	
1,1-Dichloroethene	91	96	72-132	62-142	5	0-25	
Ethylbenzene	100	94	80-126	72-134	6	0-20	
Toluene	98	92	80-121	73-128	6	0-20	
Trichloroethene	99	94	80-123	73-130	5	0-20	
Vinyl Chloride	91	88	67-133	56-144	4	0-20	
Methyl-t-Butyl Ether (MTBE)	109	104	75-123	67-131	5	0-20	
Tert-Butyl Alcohol (TBA)	91	90	75-123	67-131	1	0-20	
Diisopropyl Ether (DIPE)	104	100	71-131	61-141	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	106	101	76-124	68-132	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	107	102	80-123	73-130	5	0-20	
Ethanol	82	79	61-139	48-152	4	0-27	
TPPH	98	101	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-01-2253

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
☑ CALSCIENCE (_____)
☐ SPL (_____)
☐ XENCO (_____)
☐ TEST AMERICA (_____)
☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES): 9 8 9 9 5 8 4 0 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: ~~4/14/2009~~ 1/26/10 CEO

PAGE: 1 of 1

PO #: S C A 4 2 1 2 1 1

SAP #: 1 3 5 7 8 2

SAMPLING COMPANY: Delta Consultants | LOG CODE:

ADDRESS: 312 Piercy Rd, San Jose, CA. 95138

PROJECT CONTACT (Hardcopy or PDF Report to): Suzanne McClukin-Nelson

TELEPHONE: 408-826-1869 | FAX: 408-225-8506 | E-MAIL: smcclukin-nelson@deltaenv.com

SITE ADDRESS: Street and City: 4212 1st St; Pleasonton | State: CA | GLOBAL ID NO.: T0600101259

EDF DELIVERABLE TO (Name, Company, Office Location): Angela Pico, Delta Consultant San Jose, CA | PHONE NO.: 408-826-1862 | E-MAIL: apico@deltaenv.com | CONSULTANT PROJECT NO.: SCA421211D

SAMPLER NAME(S) (Print): Cora Olson and Abhik Dutta

LAB USE ONLY: 10-01-2253

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

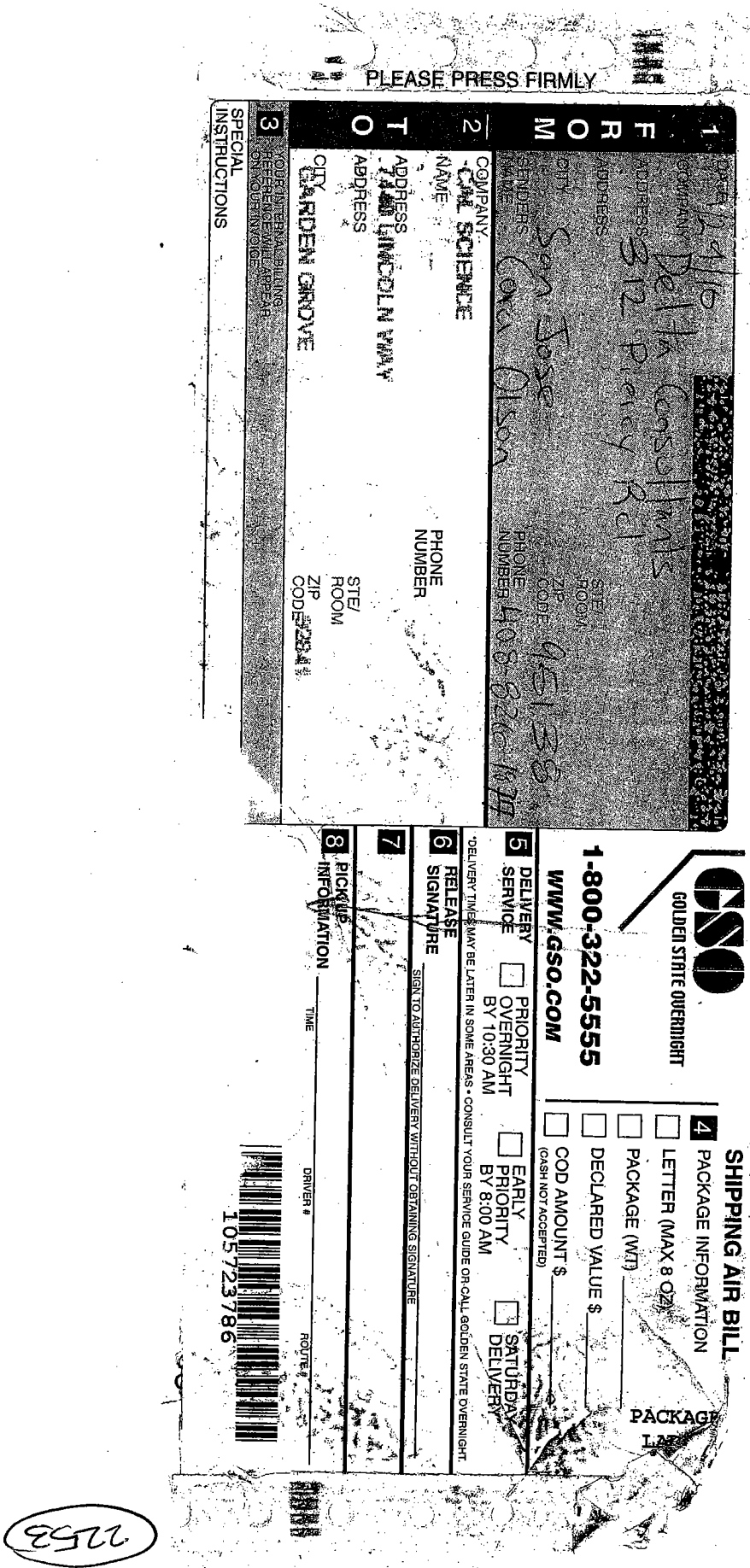
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	All sites: TPH-G Purgeable (8260B)	BTEX (8260B)	5 Shell Oxygenates (8260B)	EDB (8260B)	EDC (8260B)	Ethanol (8260B)	+ diesel: TPH-D Extractable (8015M)		+ waste oil tank: full suite VOCs (8260B)	1,2-DCA and EDB (8260B)	CAM 5 Metals (6010)	PNA and cresote (8270)	PCBs (8082)	TPH-D Extractable (8015M)	Oil and grease (8015M)	Waste Characterization: CAM 17 Metals (6010)	Run STLC/TCLP Metals/Org Pb if needed	Run Bioassay if Benzene >5000 ppm,	TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
1	OBS-1 Pre-test	1/26/10	10:10	WATER	X						X	X	X			X														
2	MW-4 Pre test	1/26/10	10:55																											
3	MW-1B Pre-test	1/26/10	11:10																											
4	MW-4 Post-test	1/26/10	15:00																											
5	MW-1B Post-test	1/26/10	15:10																											
6	OBS-1 Post-test	1/26/10	15:20																											

Relinquished by: (Signature) Cora Olson	Received by: (Signature)	Date: 1/26/10	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 1/30/10	Time: 0930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision


PLEASE PRESS FIRMLY
FROM
TO
COMPANY
ADDRESS
CITY
SENDER'S NAME
PHONE NUMBER
COMPANY: CAL SCIENCE
NAME
ADDRESS: 1130 LINCOLN WAY
ADDRESS
CITY: GARDEN GROVE
PHONE NUMBER
STE/ ROOM
ZIP CODE
SPECIAL INSTRUCTIONS
GSO
GOLDEN STATE OVERNIGHT
1-800-322-5555
WWW.GSO.COM
SHIPPING AIR BILL
4 PACKAGE INFORMATION
LETTER (MAX 8 OZ)
PACKAGE (WT)
DECLARED VALUE $
COD AMOUNT $
(CASH NOT ACCEPTED)
5 DELIVERY SERVICE
PRIORITY OVERNIGHT BY 10:30 AM
EARLY PRIORITY BY 8:00 AM
SATURDAY DELIVERY
*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.
6 RELEASE SIGNATURE
SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE
7
8 PICKUP INFORMATION
TIME
DRIVER #
ROUTE #
105723786

2253

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-01-2233

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Delta DATE: 01/30/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.9 °C + 0.5 °C (CF) = 3.4 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JLD

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** JLD

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** WSC

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☑ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☑ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☑	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** (5) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** WSC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** JLD

Preservative: **h:** HCL **n:** HNO3 **na$_2$:** $Na_2S_2O_3$ **Na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** WSC

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-01-2253

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Samples/Containers NOT RECEIVED but listed on COC**
- ☐ **Samples/Containers received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s)/preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample labels do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Containers**
  - ☐ **Analysis**
- ☐ **Sample containers compromised** – Note in comments
  - ☐ **Leaking**
  - ☐ **Broken**
  - ☐ **Without Labels**
- ☐ **Air sample containers compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-3) labeled as MW-1 pre-test., 1-26-10, @ 11:00

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis
2	BCE	5							
3	AtoE	5							
4	E	5							

Comments: _____

*Transferred at Client's request.

Initial / Date W.S.C. 1-30-10

APPENDIX F
AIR SPARGE PILOT TEST FIELD DATA SHEETS

1/26/10

4212 Air Sparge Test

Water Levels

	Initial	Final
OBS-1	34.5	
MW-1	33.7	
MW-4	55.4	

1/26/10 4212 Air Sparge Test

Time	Press (psi)	Flow (cfm)	MW-1B	M-4	OBS-1	SVE-3	SVE-4
Initial	20	0	0.40	0.9	0.03	0.04	0
11:45	31	5				0.14	
12:10	17	5	0.02	95	0.11	~~0.11~~	0.19
12:15	17	6	0.59	150	0.23	0.36	0.40
12:30	17	6	0.56	150+	0.23	0.38	0.40
12:45	17	6.5	0.62	150+	0.28	.44	0.48
1:00	17	6.5	0.59	150+	0.27	0.44	0.48
1:15	17	7	0.54	150+	0.30	0.46	0.48
1:30	17	7	0.52	150+	0.29	0.46	0.48
1:45	20	11	0.52		0.18	0.28	0.24
2:00	19	10	0.58		0.22	0.35	0.32
2:15	20	10	0.62		0.27	0.43	0.42
2:30	20	10	0.54		0.26	0.43	0.46
2:45	19	10	0.44		0.28	0.45	0.48

Cap popped off and stop monitoring

DELTA

MW-1

37-58

FIELD WORK LOG

CLIENT: Shell JOB NO. SCA421211D

PERSONNEL: Cora Olson DATE: 1/26/10
Mark Roden

TIME	NOTES/OBSERVATIONS
9:00	HSM + Discuss Scope
9:30	Mark heads to OSH for well caps
	Setup and take initial water samples
11:45	Start initial sparge application
12:00	MW-4 Bubbling out of cap, add vasoline to seal / Shut down air to adjust
12:15	Begin consistent monitoring
1:30	Increase flow to 10cfm
1:45	Cap on MW-4 popped off, put sys on idle to repair
	Leave open to vent while we can
2:45	Finish test + Clean up
4:00	Finish Cleanup and leave site

SIGNATURE: [signature] DATE: 1/26/10 PAGE ___ OF ___

APPENDIX G
PRESSURE TRANSDUCER READINGS

Level Logger Data - January 26, 2010
Shell-Branded Service Station
4212 First St., Pleasanton, CA

TEMPERATURE
Offset
Temp -20.00 Deg C
Range
100.00 Deg C

Date	Time	LEVEL	TEMPERATURE		Date	Time	LEVEL	TEMPERATURE
1/26/2010	10:35:29	4.42	13.84		1/26/2010	10:57:59	4.46	21.09
1/26/2010	10:35:59	4.49	14.32		1/26/2010	10:58:29	4.45	21.1
1/26/2010	10:36:29	4.51	14.83		1/26/2010	10:58:59	4.45	21.13
1/26/2010	10:36:59	4.54	15.38		1/26/2010	10:59:29	4.47	21.18
1/26/2010	10:37:29	4.55	15.91		1/26/2010	10:59:59	4.45	21.19
1/26/2010	10:37:59	4.52	16.35		1/26/2010	11:00:29	4.45	21.24
1/26/2010	10:38:29	4.56	16.75		1/26/2010	11:00:59	4.46	21.25
1/26/2010	10:38:59	4.55	17.08		1/26/2010	11:01:29	4.45	21.3
1/26/2010	10:39:29	4.55	17.38		1/26/2010	11:01:59	4.44	21.31
1/26/2010	10:39:59	4.53	17.63		1/26/2010	11:02:29	4.44	21.32
1/26/2010	10:40:29	4.53	17.86		1/26/2010	11:02:59	4.44	21.33
1/26/2010	10:40:59	4.55	18.1		1/26/2010	11:03:29	4.44	21.37
1/26/2010	10:41:29	4.54	18.27		1/26/2010	11:03:59	4.43	21.38
1/26/2010	10:41:59	4.55	18.48		1/26/2010	11:04:29	4.43	21.4
1/26/2010	10:42:29	4.54	18.63		1/26/2010	11:04:59	4.43	21.43
1/26/2010	10:42:59	4.53	18.81		1/26/2010	11:05:29	4.44	21.46
1/26/2010	10:43:29	4.54	18.95		1/26/2010	11:05:59	4.43	21.48
1/26/2010	10:43:59	4.51	19.09		1/26/2010	11:06:29	4.43	21.5
1/26/2010	10:44:29	4.53	19.22		1/26/2010	11:06:59	4.43	21.51
1/26/2010	10:44:59	4.5	19.35		1/26/2010	11:07:29	4.43	21.53
1/26/2010	10:45:29	4.53	19.48		1/26/2010	11:07:59	4.45	21.55
1/26/2010	10:45:59	4.5	19.58		1/26/2010	11:08:29	4.43	21.56
1/26/2010	10:46:29	4.52	19.69		1/26/2010	11:08:59	4.41	21.57
1/26/2010	10:46:59	4.5	19.8		1/26/2010	11:09:29	4.43	21.59
1/26/2010	10:47:29	4.49	19.87		1/26/2010	11:09:59	4.44	21.6
1/26/2010	10:47:59	4.52	19.98		1/26/2010	11:10:29	4.43	21.6
1/26/2010	10:48:29	4.52	20.06		1/26/2010	11:10:59	4.41	21.63
1/26/2010	10:48:59	4.49	20.13		1/26/2010	11:11:29	4.42	21.62
1/26/2010	10:49:29	4.48	20.21		1/26/2010	11:11:59	4.43	21.63
1/26/2010	10:49:59	4.5	20.3		1/26/2010	11:12:29	4.41	21.67
1/26/2010	10:50:29	4.5	20.36		1/26/2010	11:12:59	4.44	21.69
1/26/2010	10:50:59	4.5	20.44		1/26/2010	11:13:29	4.43	21.67
1/26/2010	10:51:29	4.5	20.47		1/26/2010	11:13:59	4.43	21.72
1/26/2010	10:51:59	4.47	20.53		1/26/2010	11:14:29	4.43	21.71
1/26/2010	10:52:29	4.47	20.6		1/26/2010	11:14:59	4.43	21.71
1/26/2010	10:52:59	4.49	20.66		1/26/2010	11:15:29	4.46	21.74
1/26/2010	10:53:29	4.47	20.67		1/26/2010	11:15:59	4.43	21.75
1/26/2010	10:53:59	4.46	20.77		1/26/2010	11:16:29	4.43	21.74
1/26/2010	10:54:29	4.46	20.79		1/26/2010	11:16:59	4.43	21.77
1/26/2010	10:54:59	4.47	20.85		1/26/2010	11:17:29	4.43	21.78
1/26/2010	10:55:29	4.47	20.87		1/26/2010	11:17:59	4.43	21.79
1/26/2010	10:55:59	4.47	20.9		1/26/2010	11:18:29	4.42	21.79
1/26/2010	10:56:29	4.47	20.96		1/26/2010	11:18:59	4.44	21.78
1/26/2010	10:56:59	4.49	21.01		1/26/2010	11:19:29	4.41	21.8
1/26/2010	10:57:29	4.48	21.06		1/26/2010	11:19:59	4.43	21.82

Level Logger Data - January 26, 2010

Shell-Branded Service Station

4212 First St., Pleasanton, CA

Date	Time	LEVEL	TEMPERATURE	Date	Time	LEVEL	TEMPERATURE
1/26/2010	11:20:29	4.43	21.82	1/26/2010	11:46:29	4.41	22
1/26/2010	11:20:59	4.4	21.82	1/26/2010	11:46:59	4.4	22
1/26/2010	11:21:29	4.43	21.85	1/26/2010	11:47:29	4.4	22
1/26/2010	11:21:59	4.41	21.84	1/26/2010	11:47:59	4.39	22.03
1/26/2010	11:22:29	4.41	21.84	1/26/2010	11:48:29	4.38	21.99
1/26/2010	11:22:59	4.4	21.85	1/26/2010	11:48:59	4.39	22.01
1/26/2010	11:23:29	4.4	21.86	1/26/2010	11:49:29	4.4	22.03
1/26/2010	11:23:59	4.43	21.86	1/26/2010	11:49:59	4.39	22.01
1/26/2010	11:24:29	4.41	21.86	1/26/2010	11:50:29	4.38	22.01
1/26/2010	11:24:59	4.4	21.87	1/26/2010	11:50:59	4.4	22.01
1/26/2010	11:25:29	4.4	21.86	1/26/2010	11:51:29	4.39	22.01
1/26/2010	11:25:59	4.4	21.87	1/26/2010	11:51:59	4.39	22.03
1/26/2010	11:26:29	4.41	21.87	1/26/2010	11:52:29	4.39	22.04
1/26/2010	11:26:59	4.42	21.9	1/26/2010	11:52:59	4.43	22.04
1/26/2010	11:27:29	4.4	21.9	1/26/2010	11:53:29	4.39	22.01
1/26/2010	11:27:59	4.41	21.89	1/26/2010	11:53:59	4.39	22.01
1/26/2010	11:28:29	4.4	21.91	1/26/2010	11:54:29	4.41	22.04
1/26/2010	11:28:59	4.4	21.9	1/26/2010	11:54:59	4.39	22.03
1/26/2010	11:29:29	4.4	21.9	1/26/2010	11:55:29	4.39	22.03
1/26/2010	11:29:59	4.41	21.91	1/26/2010	11:55:59	4.42	22.04
1/26/2010	11:30:29	4.39	21.91	1/26/2010	11:56:29	4.39	22.04
1/26/2010	11:30:59	4.39	21.91	1/26/2010	11:56:59	4.38	22.03
1/26/2010	11:31:29	4.4	21.92	1/26/2010	11:57:29	4.39	22.04
1/26/2010	11:31:59	4.39	21.94	1/26/2010	11:57:59	4.39	22.05
1/26/2010	11:32:29	4.39	21.94	1/26/2010	11:58:29	4.39	22.04
1/26/2010	11:32:59	4.39	21.93	1/26/2010	11:58:59	4.41	22.04
1/26/2010	11:33:29	4.38	21.94	1/26/2010	11:59:29	4.43	22.04
1/26/2010	11:33:59	4.39	21.95	1/26/2010	11:59:59	4.39	22.05
1/26/2010	11:34:29	4.38	21.95	1/26/2010	12:00:29	4.4	22.05
1/26/2010	11:34:59	4.4	21.96	1/26/2010	12:00:59	4.39	22.05
1/26/2010	11:35:29	4.39	21.95	1/26/2010	12:01:29	4.39	22.05
1/26/2010	11:35:59	4.41	21.95	1/26/2010	12:01:59	4.4	22.04
1/26/2010	11:36:29	4.4	21.97	1/26/2010	12:02:29	4.39	22.06
1/26/2010	11:36:59	4.42	21.97	1/26/2010	12:02:59	4.36	22.05
1/26/2010	11:37:29	4.39	21.97	1/26/2010	12:03:29	4.37	22.05
1/26/2010	11:37:59	4.39	21.95	1/26/2010	12:03:59	4.38	22.05
1/26/2010	11:38:29	4.39	21.96	1/26/2010	12:04:29	4.38	22.06
1/26/2010	11:38:59	4.4	21.96	1/26/2010	12:04:59	4.37	22.06
1/26/2010	11:39:29	4.4	21.98	1/26/2010	12:05:29	4.36	22.05
1/26/2010	11:39:59	4.38	21.99	1/26/2010	12:05:59	4.36	22.05
1/26/2010	11:40:29	4.4	21.98	1/26/2010	12:06:29	4.35	22.05
1/26/2010	11:40:59	4.38	21.99	1/26/2010	12:06:59	4.37	22.04
1/26/2010	11:41:29	4.39	21.97	1/26/2010	12:07:29	4.35	22.06
1/26/2010	11:41:59	4.39	21.99	1/26/2010	12:07:59	4.34	22.06
1/26/2010	11:42:29	4.38	21.99	1/26/2010	12:08:29	4.37	22.06
1/26/2010	11:42:59	4.37	21.99	1/26/2010	12:08:59	4.36	22.06
1/26/2010	11:43:29	4.37	21.99	1/26/2010	12:09:29	4.35	22.06
1/26/2010	11:43:59	4.39	22	1/26/2010	12:09:59	4.36	22.06
1/26/2010	11:44:29	4.4	22	1/26/2010	12:10:29	4.38	22.06
1/26/2010	11:44:59	4.4	21.99	1/26/2010	12:10:59	4.36	22.05
1/26/2010	11:45:29	4.38	22	1/26/2010	12:11:29	4.37	22.06
1/26/2010	11:45:59	4.4	22	1/26/2010	12:11:59	4.37	22.06

Level Logger Data - January 26, 2010

Shell-Branded Service Station

4212 First St., Pleasanton, CA

Date	Time	LEVEL	TEMPERATURE	Date	Time	LEVEL	TEMPERATURE
1/26/2010	12:12:29	4.36	22.07	1/26/2010	12:38:29	4.36	22.09
1/26/2010	12:12:59	4.39	22.06	1/26/2010	12:38:59	4.37	22.05
1/26/2010	12:13:29	4.36	22.07	1/26/2010	12:39:29	4.37	22.06
1/26/2010	12:13:59	4.39	22.08	1/26/2010	12:39:59	4.39	22.09
1/26/2010	12:14:29	4.37	22.08	1/26/2010	12:40:29	4.39	22.08
1/26/2010	12:14:59	4.36	22.06	1/26/2010	12:40:59	4.38	22.06
1/26/2010	12:15:29	4.36	22.06	1/26/2010	12:41:29	4.36	22.05
1/26/2010	12:15:59	4.37	22.08	1/26/2010	12:41:59	4.36	22.07
1/26/2010	12:16:29	4.36	22.07	1/26/2010	12:42:29	4.36	22.05
1/26/2010	12:16:59	4.37	22.06	1/26/2010	12:42:59	4.39	22.06
1/26/2010	12:17:29	4.36	22.07	1/26/2010	12:43:29	4.36	22.09
1/26/2010	12:17:59	4.37	22.06	1/26/2010	12:43:59	4.36	22.07
1/26/2010	12:18:29	4.38	22.08	1/26/2010	12:44:29	4.36	22.06
1/26/2010	12:18:59	4.37	22.08	1/26/2010	12:44:59	4.36	22.07
1/26/2010	12:19:29	4.38	22.06	1/26/2010	12:45:29	4.36	22.06
1/26/2010	12:19:59	4.37	22.08	1/26/2010	12:45:59	4.36	22.06
1/26/2010	12:20:29	4.38	22.06	1/26/2010	12:46:29	4.37	22.07
1/26/2010	12:20:59	4.37	22.07	1/26/2010	12:46:59	4.36	22.07
1/26/2010	12:21:29	4.36	22.09	1/26/2010	12:47:29	4.36	22.07
1/26/2010	12:21:59	4.37	22.05	1/26/2010	12:47:59	4.36	22.06
1/26/2010	12:22:29	4.36	22.06	1/26/2010	12:48:29	4.39	22.06
1/26/2010	12:22:59	4.36	22.06	1/26/2010	12:48:59	4.38	22.06
1/26/2010	12:23:29	4.37	22.07	1/26/2010	12:49:29	4.39	22.07
1/26/2010	12:23:59	4.36	22.06	1/26/2010	12:49:59	4.36	22.08
1/26/2010	12:24:29	4.36	22.07	1/26/2010	12:50:29	4.35	22.06
1/26/2010	12:24:59	4.36	22.08	1/26/2010	12:50:59	4.36	22.08
1/26/2010	12:25:29	4.36	22.09	1/26/2010	12:51:29	4.36	22.09
1/26/2010	12:25:59	4.37	22.07	1/26/2010	12:51:59	4.36	22.08
1/26/2010	12:26:29	4.38	22.08	1/26/2010	12:52:29	4.36	22.07
1/26/2010	12:26:59	4.37	22.07	1/26/2010	12:52:59	4.37	22.06
1/26/2010	12:27:29	4.37	22.08	1/26/2010	12:53:29	4.36	22.07
1/26/2010	12:27:59	4.36	22.08	1/26/2010	12:53:59	4.36	22.06
1/26/2010	12:28:29	4.36	22.08	1/26/2010	12:54:29	4.36	22.08
1/26/2010	12:28:59	4.39	22.08	1/26/2010	12:54:59	4.36	22.09
1/26/2010	12:29:29	4.37	22.09	1/26/2010	12:55:29	4.38	22.07
1/26/2010	12:29:59	4.37	22.07	1/26/2010	12:55:59	4.36	22.07
1/26/2010	12:30:29	4.39	22.06	1/26/2010	12:56:29	4.38	22.11
1/26/2010	12:30:59	4.39	22.06	1/26/2010	12:56:59	4.36	22.06
1/26/2010	12:31:29	4.37	22.09	1/26/2010	12:57:29	4.39	22.08
1/26/2010	12:31:59	4.36	22.05	1/26/2010	12:57:59	4.38	22.09
1/26/2010	12:32:29	4.37	22.06	1/26/2010	12:58:29	4.36	22.08
1/26/2010	12:32:59	4.39	22.06	1/26/2010	12:58:59	4.36	22.08
1/26/2010	12:33:29	4.37	22.09	1/26/2010	12:59:29	4.36	22.07
1/26/2010	12:33:59	4.37	22.08	1/26/2010	12:59:59	4.36	22.07
1/26/2010	12:34:29	4.36	22.07	1/26/2010	13:00:29	4.36	22.09
1/26/2010	12:34:59	4.37	22.07	1/26/2010	13:00:59	4.36	22.09
1/26/2010	12:35:29	4.4	22.06	1/26/2010	13:01:29	4.36	22.09
1/26/2010	12:35:59	4.4	22.09	1/26/2010	13:01:59	4.39	22.06
1/26/2010	12:36:29	4.36	22.07	1/26/2010	13:02:29	4.39	22.07
1/26/2010	12:36:59	4.36	22.09	1/26/2010	13:02:59	4.37	22.05
1/26/2010	12:37:29	4.36	22.06	1/26/2010	13:03:29	4.36	22.07
1/26/2010	12:37:59	4.36	22.06	1/26/2010	13:03:59	4.36	22.07

Level Logger Data - January 26, 2010

Shell-Branded Service Station

4212 First St., Pleasanton, CA

Date	Time	LEVEL	TEMPERATURE	Date	Time	LEVEL	TEMPERATURE
1/26/2010	13:04:29	4.36	22.09	1/26/2010	13:30:29	4.4	22.11
1/26/2010	13:04:59	4.38	22.1	1/26/2010	13:30:59	4.37	22.09
1/26/2010	13:05:29	4.38	22.08	1/26/2010	13:31:29	4.36	22.09
1/26/2010	13:05:59	4.38	22.1	1/26/2010	13:31:59	4.38	22.09
1/26/2010	13:06:29	4.38	22.09	1/26/2010	13:32:29	4.38	22.09
1/26/2010	13:06:59	4.36	22.07	1/26/2010	13:32:59	4.38	22.09
1/26/2010	13:07:29	4.36	22.08	1/26/2010	13:33:29	4.37	22.09
1/26/2010	13:07:59	4.36	22.07	1/26/2010	13:33:59	4.36	22.1
1/26/2010	13:08:29	4.4	22.08	1/26/2010	13:34:29	4.37	22.12
1/26/2010	13:08:59	4.37	22.08	1/26/2010	13:34:59	4.39	22.1
1/26/2010	13:09:29	4.39	22.09	1/26/2010	13:35:29	4.39	22.11
1/26/2010	13:09:59	4.4	22.1	1/26/2010	13:35:59	4.39	22.09
1/26/2010	13:10:29	4.37	22.09	1/26/2010	13:36:29	4.38	22.09
1/26/2010	13:10:59	4.36	22.08	1/26/2010	13:36:59	4.38	22.1
1/26/2010	13:11:29	4.39	22.09	1/26/2010	13:37:29	4.38	22.09
1/26/2010	13:11:59	4.36	22.09	1/26/2010	13:37:59	4.39	22.1
1/26/2010	13:12:29	4.36	22.09	1/26/2010	13:38:29	4.4	22.09
1/26/2010	13:12:59	4.37	22.07	1/26/2010	13:38:59	4.38	22.1
1/26/2010	13:13:29	4.39	22.08	1/26/2010	13:39:29	4.37	22.09
1/26/2010	13:13:59	4.37	22.09	1/26/2010	13:39:59	4.38	22.1
1/26/2010	13:14:29	4.38	22.08	1/26/2010	13:40:29	4.38	22.12
1/26/2010	13:14:59	4.37	22.08	1/26/2010	13:40:59	4.38	22.1
1/26/2010	13:15:29	4.36	22.09	1/26/2010	13:41:29	4.4	22.11
1/26/2010	13:15:59	4.36	22.08	1/26/2010	13:41:59	4.4	22.1
1/26/2010	13:16:29	4.37	22.08	1/26/2010	13:42:29	4.38	22.09
1/26/2010	13:16:59	4.37	22.09	1/26/2010	13:42:59	4.39	22.09
1/26/2010	13:17:29	4.38	22.1	1/26/2010	13:43:29	4.4	22.1
1/26/2010	13:17:59	4.37	22.08	1/26/2010	13:43:59	4.4	22.07
1/26/2010	13:18:29	4.36	22.09	1/26/2010	13:44:29	4.37	22.09
1/26/2010	13:18:59	4.36	22.09	1/26/2010	13:44:59	4.37	22.11
1/26/2010	13:19:29	4.36	22.09	1/26/2010	13:45:29	4.36	22.08
1/26/2010	13:19:59	4.39	22.08	1/26/2010	13:45:59	4.37	22.1
1/26/2010	13:20:29	4.4	22.1	1/26/2010	13:46:29	4.37	22.1
1/26/2010	13:20:59	4.37	22.09	1/26/2010	13:46:59	4.36	22.09
1/26/2010	13:21:29	4.37	22.09	1/26/2010	13:47:29	4.34	22.09
1/26/2010	13:21:59	4.37	22.08	1/26/2010	13:47:59	4.36	22.08
1/26/2010	13:22:29	4.38	22.09	1/26/2010	13:48:29	4.35	22.09
1/26/2010	13:22:59	4.38	22.1	1/26/2010	13:48:59	4.38	22.1
1/26/2010	13:23:29	4.37	22.09	1/26/2010	13:49:29	4.34	22.08
1/26/2010	13:23:59	4.37	22.09	1/26/2010	13:49:59	4.38	22.1
1/26/2010	13:24:29	4.39	22.09	1/26/2010	13:50:29	4.37	22.1
1/26/2010	13:24:59	4.39	22.1	1/26/2010	13:50:59	4.37	22.09
1/26/2010	13:25:29	4.39	22.1	1/26/2010	13:51:29	4.36	22.1
1/26/2010	13:25:59	4.37	22.08	1/26/2010	13:51:59	4.34	22.09
1/26/2010	13:26:29	4.39	22.09	1/26/2010	13:52:29	4.34	22.09
1/26/2010	13:26:59	4.37	22.09	1/26/2010	13:52:59	4.34	22.09
1/26/2010	13:27:29	4.37	22.09	1/26/2010	13:53:29	4.37	22.1
1/26/2010	13:27:59	4.39	22.1	1/26/2010	13:53:59	4.34	22.1
1/26/2010	13:28:29	4.36	22.09	1/26/2010	13:54:29	4.36	22.09
1/26/2010	13:28:59	4.36	22.09	1/26/2010	13:54:59	4.34	22.11
1/26/2010	13:29:29	4.38	22.09	1/26/2010	13:55:29	4.36	22.11
1/26/2010	13:29:59	4.37	22.09	1/26/2010	13:55:59	4.36	22.1

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Date	Time	LEVEL	TEMPERATURE	Date	Time	LEVEL	TEMPERATURE
1/26/2010	13:56:29	4.33	22.08	1/26/2010	14:22:29	4.36	22.09
1/26/2010	13:56:59	4.36	22.08	1/26/2010	14:22:59	4.35	22.09
1/26/2010	13:57:29	4.33	22.08	1/26/2010	14:23:29	4.37	22.09
1/26/2010	13:57:59	4.33	22.11	1/26/2010	14:23:59	4.37	22.1
1/26/2010	13:58:29	4.33	22.08	1/26/2010	14:24:29	4.36	22.08
1/26/2010	13:58:59	4.33	22.09	1/26/2010	14:24:59	4.36	22.09
1/26/2010	13:59:29	4.35	22.09	1/26/2010	14:25:29	4.36	22.09
1/26/2010	13:59:59	4.36	22.1	1/26/2010	14:25:59	4.37	22.09
1/26/2010	14:00:29	4.34	22.09	1/26/2010	14:26:29	4.36	22.07
1/26/2010	14:00:59	4.33	22.07	1/26/2010	14:26:59	4.35	22.09
1/26/2010	14:01:29	4.36	22.1	1/26/2010	14:27:29	4.35	22.08
1/26/2010	14:01:59	4.37	22.1	1/26/2010	14:27:59	4.36	22.09
1/26/2010	14:02:29	4.33	22.1	1/26/2010	14:28:29	4.35	22.08
1/26/2010	14:02:59	4.34	22.09	1/26/2010	14:28:59	4.38	22.1
1/26/2010	14:03:29	4.35	22.09	1/26/2010	14:29:29	4.36	22.07
1/26/2010	14:03:59	4.34	22.09	1/26/2010	14:29:59	4.37	22.1
1/26/2010	14:04:29	4.37	22.07	1/26/2010	14:30:29	4.36	22.09
1/26/2010	14:04:59	4.34	22.08	1/26/2010	14:30:59	4.37	22.1
1/26/2010	14:05:29	4.35	22.09	1/26/2010	14:31:29	4.37	22.09
1/26/2010	14:05:59	4.34	22.08	1/26/2010	14:31:59	4.35	22.09
1/26/2010	14:06:29	4.36	22.08	1/26/2010	14:32:29	4.36	22.07
1/26/2010	14:06:59	4.34	22.08	1/26/2010	14:32:59	4.38	22.1
1/26/2010	14:07:29	4.37	22.1	1/26/2010	14:33:29	4.36	22.08
1/26/2010	14:07:59	4.36	22.09	1/26/2010	14:33:59	4.36	22.09
1/26/2010	14:08:29	4.34	22.09	1/26/2010	14:34:29	4.38	22.09
1/26/2010	14:08:59	4.35	22.08	1/26/2010	14:34:59	4.36	22.09
1/26/2010	14:09:29	4.35	22.1	1/26/2010	14:35:29	4.39	22.09
1/26/2010	14:09:59	4.34	22.1	1/26/2010	14:35:59	4.39	22.09
1/26/2010	14:10:29	4.37	22.09	1/26/2010	14:36:29	4.39	22.1
1/26/2010	14:10:59	4.36	22.09	1/26/2010	14:36:59	4.39	22.1
1/26/2010	14:11:29	4.36	22.1	1/26/2010	14:37:29	4.39	22.08
1/26/2010	14:11:59	4.37	22.09	1/26/2010	14:37:59	4.39	22.09
1/26/2010	14:12:29	4.36	22.08	1/26/2010	14:38:29	4.39	22.09
1/26/2010	14:12:59	4.36	22.08	1/26/2010	14:38:59	4.39	22.1
1/26/2010	14:13:29	4.36	22.09	1/26/2010	14:39:29	4.39	22.1
1/26/2010	14:13:59	4.34	22.08	1/26/2010	14:39:59	4.4	22.09
1/26/2010	14:14:29	4.33	22.1	1/26/2010	14:40:29	4.39	22.09
1/26/2010	14:14:59	4.33	22.08	1/26/2010	14:40:59	4.36	22.09
1/26/2010	14:15:29	4.33	22.1	1/26/2010	14:41:29	4.38	22.09
1/26/2010	14:15:59	4.33	22.08	1/26/2010	14:41:59	4.39	22.1
1/26/2010	14:16:29	4.36	22.08	1/26/2010	14:42:29	4.36	22.09
1/26/2010	14:16:59	4.33	22.09	1/26/2010	14:42:59	4.38	22.09
1/26/2010	14:17:29	4.35	22.1	1/26/2010	14:43:29	4.38	22.09
1/26/2010	14:17:59	4.36	22.1	1/26/2010	14:43:59	4.37	22.09
1/26/2010	14:18:29	4.36	22.1	1/26/2010	14:44:29	4.37	22.08
1/26/2010	14:18:59	4.33	22.09	1/26/2010	14:44:59	4.39	22.1
1/26/2010	14:19:29	4.36	22.08	1/26/2010	14:45:29	4.38	22.09
1/26/2010	14:19:59	4.33	22.09	1/26/2010	14:45:59	4.37	22.09
1/26/2010	14:20:29	4.36	22.09	1/26/2010	14:46:29	4.4	22.1
1/26/2010	14:20:59	4.36	22.09	1/26/2010	14:46:59	4.39	22.1
1/26/2010	14:21:29	4.35	22.09	1/26/2010	14:47:29	4.39	22.09
1/26/2010	14:21:59	4.33	22.08	1/26/2010	14:47:59	4.38	22.09

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Date	Time	LEVEL	TEMPERATURE
1/26/2010	14:48:29	4.4	22.11
1/26/2010	14:48:59	4.4	22.1
1/26/2010	14:49:29	4.39	22.1
1/26/2010	14:49:59	4.4	22.11
1/26/2010	14:50:29	4.37	22.09
1/26/2010	14:50:59	4.38	22.09
1/26/2010	14:51:29	4.39	22.09
1/26/2010	14:51:59	4.39	22.1
1/26/2010	14:52:29	4.4	22.1
1/26/2010	14:52:59	4.37	22.09
1/26/2010	14:53:29	4.37	22.09
1/26/2010	14:53:59	4.4	22.1
1/26/2010	14:54:29	4.38	22.09
1/26/2010	14:54:59	4.37	22.09
1/26/2010	14:55:29	4.4	22.09
1/26/2010	14:55:59	4.37	22.08
1/26/2010	14:56:29	4.4	22.11
1/26/2010	14:56:59	4.36	22.09
1/26/2010	14:57:29	4.38	22.1
1/26/2010	14:57:59	4.37	22.1
1/26/2010	14:58:29	4.39	22.1
1/26/2010	14:58:59	4.37	22.1
1/26/2010	14:59:29	4.36	22.09
1/26/2010	14:59:59	4.34	22.1
1/26/2010	15:00:29	4.35	22.09
1/26/2010	15:00:59	4.35	22.11
1/26/2010	15:01:29	4.36	22.11
1/26/2010	15:01:59	4.35	22.09
1/26/2010	15:02:29	4.34	22.09
1/26/2010	15:02:59	4.33	22.11
1/26/2010	15:03:29	4.33	22.09
1/26/2010	15:03:59	4.35	22.1
1/26/2010	15:04:29	4.36	22.1
1/26/2010	15:04:59	4.33	22.09
1/26/2010	15:05:29	4.36	22.1
1/26/2010	15:05:59	4.35	22.09
1/26/2010	15:06:29	4.34	22.11
1/26/2010	15:06:59	4.36	22.1
1/26/2010	15:07:29	4.34	22.09
1/26/2010	15:07:59	4.34	22.12
1/26/2010	15:08:29	4.34	22.09
1/26/2010	15:08:59	4.35	22.1
1/26/2010	15:09:29	4.34	22.09
1/26/2010	15:09:59	4.37	22.11
1/26/2010	15:10:29	4.33	22.09
1/26/2010	15:10:59	4.34	22.09
1/26/2010	15:11:29	4.36	22.1
1/26/2010	15:11:59	4.36	22.11
1/26/2010	15:12:29	4.35	22.09
1/26/2010	15:12:59	4.35	22.11
1/26/2010	15:13:29	4.35	22.09
1/26/2010	15:13:59	4.36	22.1
1/26/2010	15:14:29	4.33	22.09
1/26/2010	15:14:59	4.34	22.07
1/26/2010	15:15:29	4.29	22.03
1/26/2010	15:15:59	4.29	21.99
1/26/2010	15:16:29	4.29	21.95
1/26/2010	15:16:59	4.31	21.94
1/26/2010	15:17:29	4.27	21.9
1/26/2010	15:17:59	4.27	21.66
1/26/2010	15:18:29	4.34	20.93
1/26/2010	15:18:59	4.39	20.06
1/26/2010	15:19:29	4.45	19.21
1/26/2010	15:19:59	4.47	18.43
1/26/2010	15:20:29	4.47	17.67
1/26/2010	15:20:59	4.47	17.01