**Deita** Environmental Consultants, Inc.

www.deltaenv.com

Solving environment-related business problems worldwide

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

800.477.7411 Fax 408.225.8506

> October 31, 2006 Project Number: SJ42-26F-1 SAP Number: 135782

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

### Re: Soil and Groundwater Investigation Report Shell-branded Service Station 4212 First Street Pleasanton, California

#### Dear Mr. Wickham:

Delta Environmental Consultants, Inc. (Delta), on behalf of Shell Oil Products US (Shell), presents the results of a soil and groundwater investigation performed at the site referenced above (Figure 1). The site is underlain by a shallow (30 feet) and a deep (100 feet) aquifer separated by a thick silt layer. Cone penetrometer test borings (CPT-2 and CPT-3) were advanced to define the vertical and lateral extent of silt layer underlying the site and to vertically delineate the extent of petroleum hydrocarbon and fuel oxygenate impacts to site area groundwater. Monitoring Well MW-1B was installed below the silt layer to monitor the deeper groundwater bearing zone. Monitoring Well MW-4 was installed northeast of the former UST complex to monitor shallow groundwater downgradient Underground Storage Tank (UST) complex.

# BACKGROUND

Site background is detailed in depth in Delta's Electronic Site Conceptual Model submitted to the Alameda County Health Care Services Agency (ACHCA) on February 27, 2006.

# SOIL AND GROUNDWATER INVESTIGATION AND MONITORING WELL INSTALLATIONS

The following sections summarize the soil and groundwater investigation and monitoring well installation activities that were conducted per Delta's work plan dated January 24, 2006 and revised work plan dated May 8, 2006, and approved by the ACHCSA in their letter to Shell dated May 19, 2006.



#### **PREFIELD ACTIVITIES**

Prior to drilling, Delta marked the locations of all CPT and monitoring well locations and contacted Underground Services Alert 48 hours prior to drilling. In addition, a private utility locator was retained to perform a geophysical survey of all boring locations. Each location was then air-knifed to a depth of approximately seven feet to minimize the possibility of encountering underground utilities during CPT work. Delta obtained all required drilling permits from the Zone 7 Water Agency (Attachment A). An encroachment permit was obtained from the City of Pleasanton for off-site boring CPT-2 located in First St. (Attachment A). The ACHCSA was notified prior to commencement of field activities.

#### CPT GROUNDWATER INVESTIGATION

On August 15 and September 29, 2006, Delta performed groundwater sampling at two locations (CPT-2 and CPT-3, Figure 2) using CPT equipment provided by Gregg In Situ, Inc. (License C57- 656407). Originally planned CPT-1 was not drilled due to inability to obtain site access. All work was performed under the direction and supervision of a California Certified Hydrogeologist.

#### **CPT SOIL PROFILING**

Borings CPT-2 and CPT-3 were advanced to total depths of 88 and 99 feet bg, respectively, where refusal was met. Each CPT location consisted of two separate boreholes – one for stratigraphic profiling and a second for collecting discrete soil and groundwater samples. At each CPT location, the initial boring was advanced to define the underlying soil profile. Soil classifications were based on the cone penetration resistance, sleeve friction, and friction ratio. A soil classification graph was generated during the advancement of the CPT borehole. Soil profile graphs are contained in the report prepared by Gregg In Situ, Inc. (Attachment B). Grout was pumped into the initial borehole behind the cone by using a grout collar (retraction grouting).

The CPT boreholes encountered primarily fine-grained deposits with interbedded sand to their total depth. Sands were encountered between 20 and 35 feet bg in both CPT borings and at a depth of approximately 97 feet bg in CPT-2. Delta has prepared a cross section based on CPT data and boring logs from previous borings for groundwater monitoring wells presented on Figure 3. The cross section location is shown on Figure 2.

#### **CPT GROUNDWATER SAMPLING AND ANALYSIS**

A second CPT borehole was drilled at each location for collection of depth discrete groundwater samples. A Delta field geologist determined appropriate depths from which to collect discrete groundwater samples by interpreting the initial soil classification print out for each CPT location. To collect discrete groundwater samples, a sealed PVC hydropunch screen was pushed to the desired sampling depth. The push rod was then retracted exposing the hydropunch screen. Groundwater, when available, flowed hydrostatically from the formation into the sampler. A small diameter stainless steel bailer was lowered through the hollow push rods, into the screen section for sample collection.

The groundwater samples were transferred to 40-milliliter glass VOA bottles. The bottles were placed on ice for transportation to the laboratory. Groundwater samples were analyzed for total petroleum hydrocarbons as gas (TPH-G); benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), and fuel oxygenates methyl tertiary butyl ether (MTBE) and tertiary butyl alcohol (TBA) by EPA Method 8260B. Groundwater analytical data and sample depth intervals are summarized on Table 1. Laboratory reports and chain of custody documentation are provided as Attachment C.

October 31, 2006 Page 3

Identified sandy zones were selected for groundwater sampling. These zones potentially could provide for the migration of fuel oxygenates and petroleum hydrocarbons within coarse-grained preferential pathways. In Boring CPT-2 two groundwater samples were collected in the intervals of 74 to 78 feet bg and 94 to 98 feet bg. The attempted groundwater sampling interval between 53 to 57 feet bg was dry after approximately thirty minutes. Depth to groundwater in CPT-2 was measured at 52.6 feet below grade. One groundwater sample was collected from Boring CPT-3 at the intervals of 53 to 57 feet bg. The attempted groundwater sampling intervals between 38 and 42 feet bg and 64 to 68 feet bg were dry. Sufficient groundwater was generally available to be collected within approximately 5 to 15 minutes at all sample locations.

The maximum concentrations of TPH-G, MTBE, and TBA were detected at depths between 53 to 57 feet bg in CPT-3 located downgradient of the UST complex. MTBE was detected in all three groundwater samples collected from CPT borings at a maximum concentration of 79 micrograms per liter (ug/l) in sample CPT-3@57. TBA was detected in groundwater samples collected at depths of 74 to 78 feet bg in CPT-2 and 53 to 57 feet bg in CPT-3. TBA was detected at a maximum concentration of 2,000 ug/l in sample CPT-3@57. Benzene was detected only in off-site boring CPT-2 at a concentration of 0.99 ug/l from groundwater at depths of 74 to 78 feet bg. Groundwater sample CPT-2d72-78 was analyzed outside of the EPA recommended hold time. Groundwater analytical data from the CPT borings is summarized on Table 1.

#### **GROUNDWATER MONITORING WELL INSTALLATIONS**

On August 23 and 24, 2006, Delta directed the installation of two on-site monitoring wells MW-1B and MW-4 at the locations shown on Figure 2. Well MW-1B was installed to monitor the deeper groundwater bearing zone north of the UST complex. Well MW-4 was installed to the shallow groundwater bearing zone downgradient of the former UST complex. A groundwater contour map for the shallow aquifer is provided as Figure 4.

Wells MW-1B and MW-4 were installed using 10-inch diameter hollow-stem auger drilling equipment operated by Gregg Drilling (License C57- 485165). All boreholes were then sampled at 5-foot intervals with a split-spoon sample barrel equipped with brass liners from 10 feet bg to respective total depths of approximately 108 and 50 feet bg. A Delta field geologist examined and logged the soil core samples from the boring for each well. A photo-ionization detector (PID) was used to measure soil hydrocarbon concentrations. PID soil samples were placed in a sealed plastic bag, and after approximately 5-minutes the PID probe was inserted into the plastic bag and soil gas was allowed to pass through the PID until readings stabilized. The resulting concentration reading was recorded on the geologist's field log. Select soil samples were retained for laboratory analysis based on PID readings in the field.

The borings for Wells MW-1B and MW-4 predominately encountered silt to a depth of approximately 17 feet bg underlayed by sand and gravels to a depth of approximately 50 bg in the boring for Well MW-1B. A forty foot thick silt layer was then encountered in the boring for Well MW-1B underlayed by sand at a depth of approximately 97 feet bg. Shallow groundwater was initially encountered at approximately 47 feet bg and stabilized at approximately 33.5 feet bg. A second groundwater bearing zone was initially encountered in the boring for Well MW-1B at a depth of approximately 97 feet bg and stabilized at a depth of approximately 97 feet bg and stabilized at a depth of approximately 98 feet bg. Boring logs and well construction details are presented in Attachment D.

Wells MW-1B and MW-4 were constructed of 4-inch diameter polyvinylchloride (PVC) casing and manufactured well screen. Well MW-1B was screened from 100 to 108 feet bg and Well MW-4 was screened from 37 to 47 feet bg. Both wells were screened with 0.010-inch well screen. A 2/12 sand pack was installed

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from the bottom of hole to 2 feet above the screen in each well. Two feet of bentonite was placed above the sand pack, and a cement grout seal was then placed above the bentonite to approximately 1-foot bg. A traffic-rated vault box was then installed flush to the ground surface over each well.

#### WELL LOCATION AND ELEVATION SURVEY

On September 15, 2006, Mid Coast Engineers of Watsonville, California surveyed the latitude, longitude and elevation of the two new monitoring wells. The survey report is contained in Attachment E. The GPS survey data will be uploaded into the State of California Geotracker database.

#### MONITORING WELL DEVELOPMENT AND SAMPLING

Blaine Tech Services (Blaine) developed Wells MW-1B and MW-4 on September 21, 2006. The wells were developed by use of a surge block and a positive air displacement pump to remove turbid water. On September 28, 2006, Blaine gauged and sampled Wells MW-1B and MW-4. On September 21, 2006, the depth to groundwater in the Well MW-1B was 76.94 feet below the top of well casing and Well MW-4 was 31.58 below top of well casing. Well development and monitoring data sheets are included as Attachment F.

#### SOIL ANALYSIS

Soil samples were submitted to Test America Analytical Testing Corporation in Sacramento, California for analysis of the following parameters: TPH-G, BTEX compounds, MTBE, and TBA by Method 8260B. Soil and groundwater certified analytical results and chain-of-custody documentation from the testing laboratory are included as Attachment G.

TPH-G, ethylbenzene, xylenes, and MTBE were only detected in soils from the boring for Well MW-4. MTBE was detected in soil between 35 and 50 feet bg at a maximum concentration of 0.59 milligrams per kilogram (mg/kg). All other analytes were below the laboratory reporting limit. Soil analytical data from the borings for Wells MW-1B and MW-4 is summarized on Table 2. TPHG, MTBE, and TBA soil concentrations for site wells are depicted on the geologic cross section presented on Figure 3.

#### GROUNDWATER ANALYSIS

Groundwater samples from all on- and off-site wells were collected on September 28, 2006 and submitted to Test America Analytical Testing Corporation in Sacramento, California for analysis of the following parameters: TPH-G, BTEX compounds, MTBE, and TBA by Method 8260B. Soil and groundwater certified analytical results and chain-of-custody documentation from the testing laboratory are included with the Groundwater Monitoring Report provided by Blaine Tech as Attachment F.

TPH-G and MTBE were detected in Well MW-4 located downgradient of the former UST complex at concentrations of 11,000 ug/l and 13,000 ug/l, respectively. MTBE was the only constituent detected in Well MW-1B (21 ug/l). All other analytes were below the laboratory reporting limits. TPHG, MTBE, and TBA concentrations for site wells are depicted on the geologic cross section presented on Figure 3.

### CONCLUSIONS

Delta concludes:

# The site is underlain predominantly by silts to a depth of approximately 95 feet bg.

• A sand and gravel layer is encountered between 17 and 50 feet bg in site area borings.

- Another sand layer is encountered below the silt at a depth of between 95 and 97 feet bg.
- Depth to first encountered groundwater beneath the site is at approximately 32 feet bg.
- A deeper groundwater bearing zone was encountered beneath the site at a depth between 95 and 97 feet bg.

# The lateral extent of petroleum hydrocarbons and MTBE in shallow groundwater does not appear to be defined.

- Groundwater downgradient of the former UST complex has been impacted. MTBE was detected at a maximum concentration of 13,000 ug/l in Well MW-4.
- Downgradient areas are inaccessible for further investigation due to residential buildings.

# The deeper groundwater bearing zone appears to be limitedly impacted by MTBE.

- MTBE was detected at low-level concentrations (≤ 79 ug/l) in groundwater samples from depths of 57 feet bg in CPT-3 and approximately 97 feet bg in Well MW-1B and CPT-2.
- Based on quarterly groundwater contour maps from the adjacent Unocal-branded Service station, the flow direction of the deeper groundwater bearing zone appears to be towards the south (Attachment H).

#### Delta recommends:

- Prepare an interim remediation action plan to address TPH-G and MTBE in shallow groundwater.
- Conduct joint groundwater monitoring with the 76-station north of the site.
- Add Wells MW-1B and MW-4 to the quarterly groundwater monitoring program.
- Add quarterly TBA analysis to the groundwater monitoring and sampling program for all wells.

# REMARKS

The conclusions and recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report. October 31, 2006 Page 6

If you have any questions or comments regarding this report, please call Lee Dooley at (408) 826-1880.

#### Sincerely,

Delta Environmental Consultants, Inc.

NAL Heather Buckingham Senior Staff Geologist Ô **R. LEE DOOLEY** NO. 0183 CERTIFIED DROGEOLOGIS R. Lee Dooley Senior Hydrogeologist

CHG 0183

Table 1 - Summary of Groundwater Analytical Data Attachments: Table 2 – Summary of Soil Analytical Data

Figure 1 – Site Location Map

Figure 2 – Extended Site Map

Figure 3 – Geologic Cross Section

Figure 4 - Groundwater Contour Elevation Map, August 21, 2006

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Attachment A - Alameda County Zone 7 Water Agency Drilling Permit and City of Pleasanton Encroachment Permit

Attachment B – CPT Soil Profile Graphs

Attachment C - Certified Analytical Report and Chain of Custody Documents - Groundwater

Attachment D - Boring Logs with Well Construction Details

Attachment E - Well Survey

Attachment F - Groundwater Monitoring and Sampling Report, October 19, 2006

Attachment G - Certified Analytical Report and Chain of Custody Documents - Soil

Attachment H – Groundwater Elevation Contour Map, 76 Station 7376

Denis Brown, Shell Oil Products US, Carson cc:

# Table 1Summary of Groundwater Analytical DataShell Service Station4226 First Street, Pleasanton, California

Sample Designation	Date Sampled	Depth (feet bg)	TPH-G (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Xylene (ug/l)	MTBE (ug/l)	TBA (ug/l)
CPT-2d72-78	9/29/2006	74-78	<50, a	<b>0.99</b> , a	<0.5, a	<0.5, a	<0.5, a	<b>15</b> , a	<b>27</b> , a
CPT-2d92-98	9/29/2006	94-98	<50	<0.5	<0.5	<0.5	<0.5	47	<20
CPT-3@57'	8/15/2006	53-57	700	<0.5	<0.5	0.78	2.1	79	2,000

NA = not analyzed

ug/l = micrograms per liter

TPH-G = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tert-butyl ether

TBA = tert-Butyl alchohol

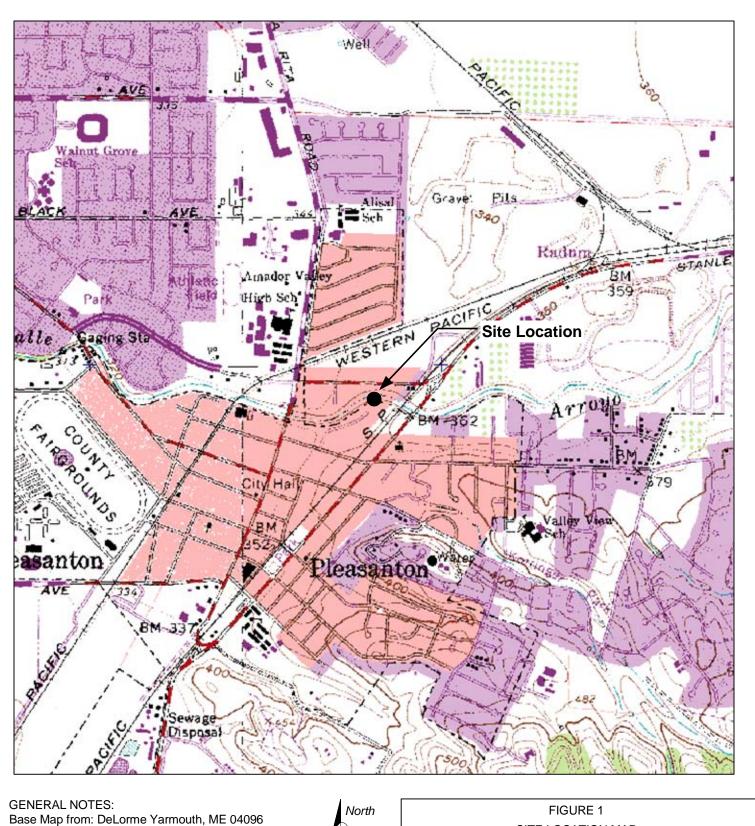
a = The sample was analyzed beyond the recommended EPA holding time

# Table 2Summary of Soil Analytical DataShell Service Station4226 First Street, Pleasanton, CA

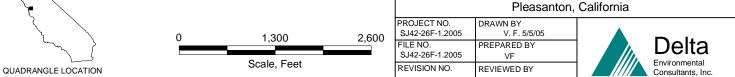
Sample	Date	Depth	TPH-G	Benzene	Toluene	Ethyl-benzene	Xylene	MTBE	TBA
Designation	Sampled	(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
				0.005	0.005				-0.050
MW-1B@65'	8/23/2006	65	<2.5	<0.025	<0.025	<0.025	<0.050	<0.025	<0.250
MW-1B@69.5'	8/23/2006	69.5	<2.5	<0.025	<0.025	<0.025	<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:				Į		·			

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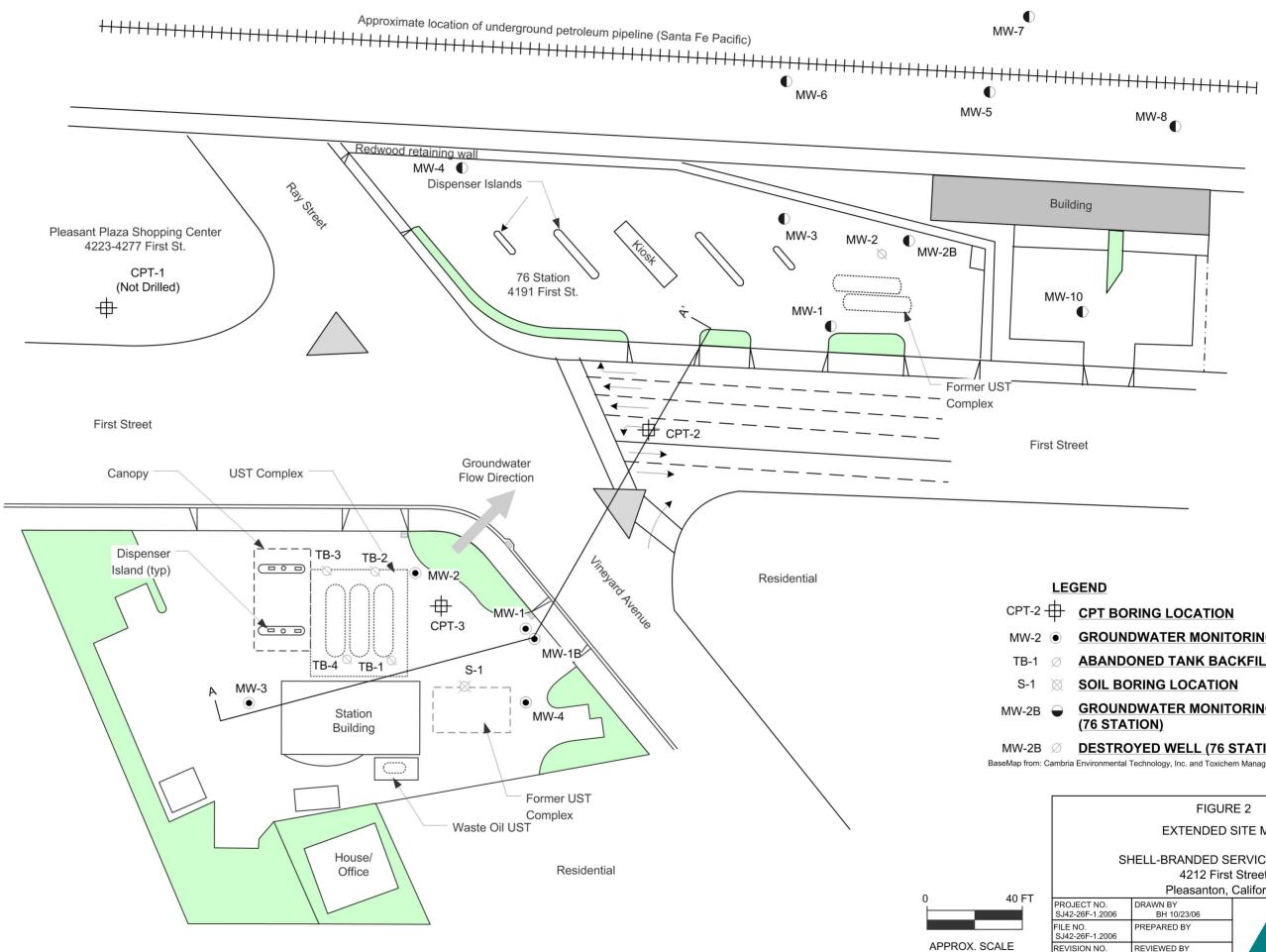
MTBE = Methyl tert-butyl ether



$\supset$		SITE LOCAT	TION MAP
	SI	HELL-BRANDED S	ERVICE STATION
		4226 First	t Street
		Pleasanton,	California
	PROJECT NO.	DRAWN BY	



Source Data: USGS



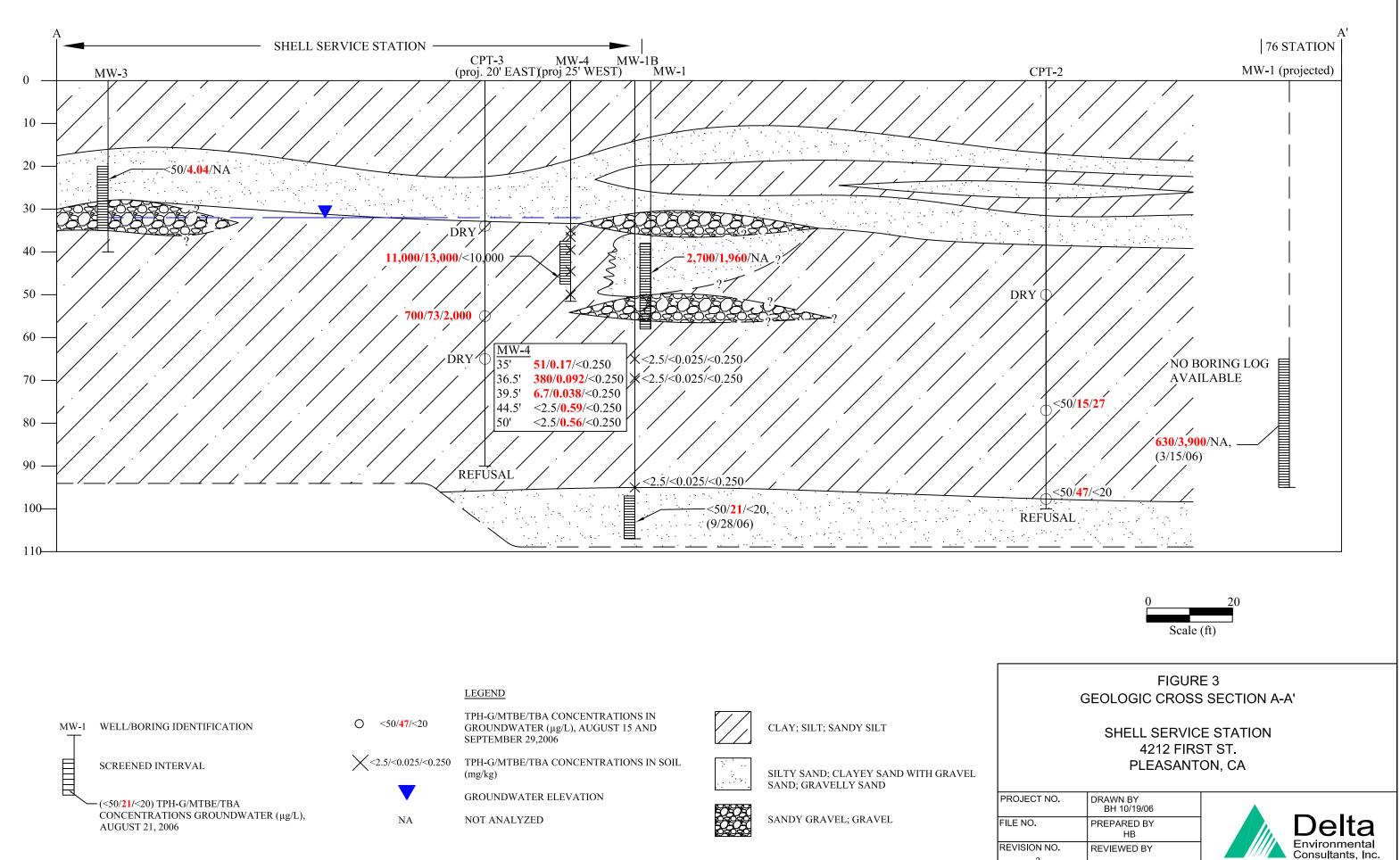


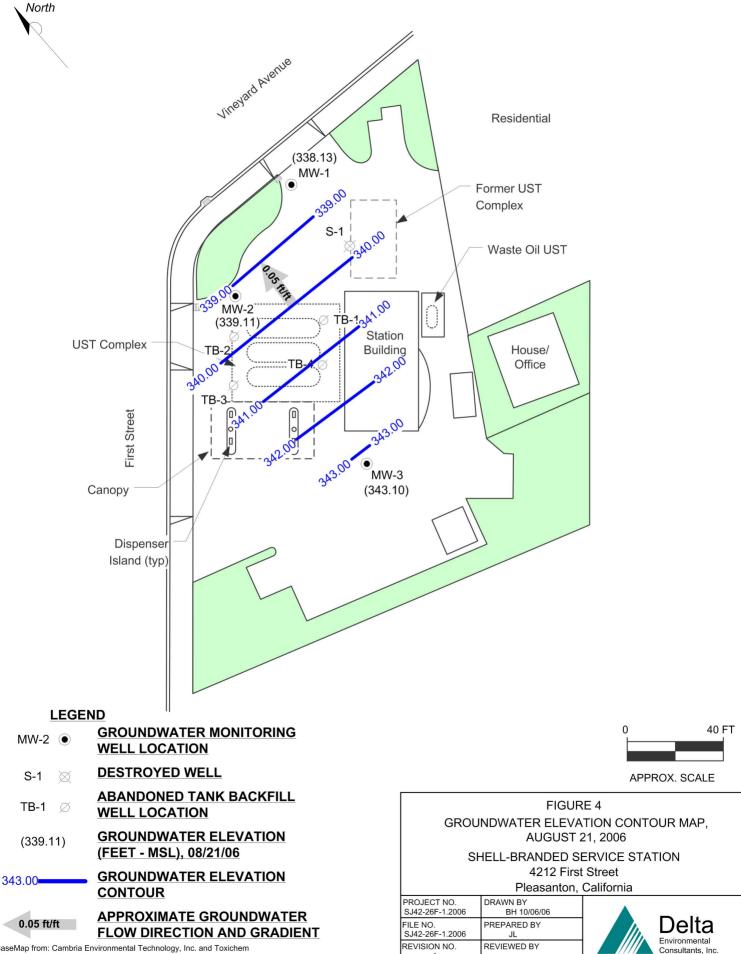
LEGEND	
1	

- **GROUNDWATER MONITORING WELL LOCATION**
- ABANDONED TANK BACKFILL WELL LOCATION
- **GROUNDWATER MONITORING WELL LOCATION**
- **DESTROYED WELL (76 STATION)**

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

FIGURE 2							
EXTENDED SITE MAP							
SI	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	Consultants, Inc.					





BaseMap from: Cambria Environmental Technology, Inc. and Toxichem

Management Systems, Inc

# Attachment A

# ALAMEDA COUNTY ZONE 7 WATER AGENCY DRILLING PERMITS AND CITY OF PLEASANTON ENCROACHMENT PERMIT

# ZONE 7 WATER AGENCY



100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

# DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 4226 First St. Plasanton, CA	PERMIT NUMBER 26141 WELL NUMBER <u>3S/1E-21C34 (MW-1B) &amp; 21C35 (MW-4</u> ) APN 094-0095-024-00
California Coordinates Sourceft. Accuracy••ft.       ft.         CCNft. CCEft.       ft.         APN94/-95-24/       ft.	PERMIT CONDITIONS (Circled Permit Requirements Apply)
CLIENT Name_Shell Oil Products U.S. Address 20945 S.Willmington ArtPhone (707)865-0251 City Causen; CA Zip 90010 APPLICANT Name_Delton ENViconmental Consultants Fax (402) 225-25000 Fax (402) 225-25000 Fax (402) 225-25000 City_Sam_Sose, CA Zip 9502	<ul> <li>(A.) GENERAL</li> <li>1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.</li> <li>2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects.</li> <li>3. Permit is void if project not begun within 90 days of approval date.</li> <li>B. WATER SUPPLY WELLS</li> <li>1. Minimum surface seal thickness is two inches of cement</li> </ul>
TYPE OF PROJECT       Geotechnical Investigation         Well Construction       Geotechnical Investigation         Cathodic Protection       Geotechnical Investigation         Water Supply       Contamination         Monitoring       Well Destruction	<ul> <li>grout placed by tremie.</li> <li>Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.</li> <li>An access port at least 0.5 inches in diameter is required</li> </ul>
PROPOSED WELL USE New Domestic · Irrigation Municipal · Remediation Industriat · Groundwater Monitoring Dewatering · · · · · · · · · · · · · · · · · · ·	<ul> <li>A sample port is required on the discharge pipe near the wellhead.</li> <li>A sample port is required on the discharge pipe near the wellhead.</li> <li>GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS         <ol> <li>Minimum surface seal thickness is two inches of cement grout</li> </ol> </li> </ul>
DRILLING METHOD: Mud Rotary Air Rotary Hollow Stem Auger Direct Push Other DRILLING COMPANY Goege Doilling & Testing DRILLER'S LICENSE NO. Hollow Stem Auger Direct Push Other DRILLER'S LICENSE NO. Hollow Stem Auger Direct Push MW-165 DRILLER'S LICENSE NO. Hollow Stem Auger Direct Push MW-165 DRILLER'S LICENSE NO. Hollow Stem Auger Direct Push MW-165 DRILLER'S LICENSE NO. Hollow Stem Auger Direct Push MW-165 MW-113 & MW-4 WELL PROJECTS Drill Hole Diameter Hollow Stem Auger Direct Push MW-165 Drill Hole Diameter Hollow Stem Auger Direct Push MW-165 Solit BORINGS Number of Borings Maximum Using Direct Push MW-165 Maximum Denth ft.	<ul> <li>placed by tremie.</li> <li>Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.</li> <li>GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.</li> <li>CATHODIC. Fill hole above anode zone with concrete placed by tremie.</li> <li>WELL DESTRUCTION. See attached.</li> <li>SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the set of t</li></ul>
Hole Diameterin. Depthft. ESTIMATED STARTING DATE Purguest 23, 2006 ESTIMATED COMPLETION DATE Purguest 25, 2.00 jp I hereby agree to comply with all requirements of this permit and Alameda	Approved Manual Honey Date 8/18/06
I hereby agree to comply with all requirements of this portfic and ratio add	ί.

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Revised: April 27, 2005

ATTACH SITE PLAN OR SKETCH

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Heather Buckingham

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County Ordinance No. 73-68. APPLICANT'S ALLANN

SIGNATURE

Revised: April 27, 2005

ZONE 7 WAT	ER AGENCY						
100 NORTH CANYONS PARKWAY, LIVERMON	RE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728						
DRILLING PERMIT APPLICATION							
FOR APPLICANT TO COMPLETE	FOR OFFICE USE						
LOCATION OF PROJECT LEFT TUREN Lane Intersection of thest St. 2 Unityand ATT MAR Pleasanton, 15	PERMIT NUMBER 26129 WELL NUMBER APN						
California Coordinates Sourceft.Accuracy•ft.     ft.       CCNft.CCEft.     ft.	PERMIT CONDITIONS (Circled Permit Requirements Apply)						
CLIENT ALL ALL ALL ALL ALL Phone POP 1865-0251 City ALL ALL ALL Phone Pop 1865-0251 City ALL ALL ALL ALL Phone Pop 1865-0251 City ALL ALL ALL ALL Phone Pop 1865-0251 Address 195 BER PALL ALL ALL Phone Pop 250 G Address 195 BER PALL ALL ALL Phone Pop 250 G Address 195 BER PALL ALL ALL PHONE POP 250 G City SIMM See, ALL PLOY ALL ALL PHONE POP 250 G PROPOSED WELL USE New Domestic Industrial Provided Investigation Cathodic Protection General Water Supply Contamination Proposed and Pop 250 G Monitoring Well Destruction Proposed and Pop 250 G PROPOSED WELL USE New Domestic Industrial Provided and Pop 250 G PROPOSED WELL USE New Domestic Industrial Provided and Pop 250 G PROPOSED WELL USE New Domestic Industrial Provided and Pop 250 G PROPOSED WELL USE New Domestic Industrial Provided and Pop 250 G PROPOSED WELL USE New Domestic Industrial Pop 250 G PROPOSED WELL USE Number of Borings (1204 Job 250 G Number of Borings (1204 Job	<ul> <li>A. GENERAL <ol> <li>A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.</li> <li>Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and tocation sketch for geotechnical projects or drilling logs and tocation sketch for geotechnical projects or drilling logs and tocation sketch for geotechnical projects.</li> <li>Permit is void if project not begun within 90 days of approval date.</li> <li>WATER SUPPLY WELLS </li> <li>Minimum surface seal thickness is two inches of cement grout placed by tremie.</li> <li>Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.</li> <li>An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.</li> <li>A sample port is required on the discharge pipe near the wellhead.</li> <li>GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS </li> <li>Minimum surface seal thickness is two inches of cement grout placed by tremie.</li> <li>Minimum surface seal thickness is two inches of cement grout placed by tremie.</li> <li>Minimum surface seal thickness is two inches of cement grout placed by tremie.</li> <li>Minimum surface seal thickness is two inches of cement grout placed by tremie.</li> <li>Minimum surface seal thickness is two inches of cement grout placed by tremie.</li> <li>Minimum surface seal thickness is two inches of cement grout placed in place of compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.</li> <li>CATHODIC. Fill hole above anode zone with concrete placed by tremie.</li> <li>WELL DESTRUCTION. See attached.</li> <li>SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the comp</li></ol></li></ul>						
رب I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.	Approved <u>MMM11 Holle</u> Date 7/31/06 Wyman Hong						
APPLICANT'S SIGNATURE PARTILLA BUCKING Date 7/24/04	Revised April 27, 2005						

ATTACH SITE PLAN OR SKETCH

ZONE 7 WAT 100 NORTH CANYONS PARKWAY, LIVERMOR DRILLING PERMIT	RE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728
FOR APPLICANT TO COMPLETE	FOR OFFICE USE
California Coordinates Sourceft. CCEft. CCEft.	PERMIT NUMBER 26128 WELL NUMBER 094-0095-025-03 APN 094-0095-025-03 PERMIT CONDITIONS (Circled Permit Requirements Apply)
CLIENT WILL OF PROJECT Signature Contamination Cathodic Protection Contamination Cathodic Protection Cathodic Protection Contamination Cathodic Protection Cathodic Protectic Protection Cathodic Protection Cathodic Protection C	<ul> <li>A GENERAL         <ol> <li>A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.</li> <li>Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and tocation sketch for geotechnical projects.</li> <li>Permit is void if project not begun within 90 days of approval date.</li> </ol> </li> <li>WATER SUPPLY WELLS         <ol> <li>Minimum surface seel thickness is two inches of cement grout placed by tremie.</li> <li>Minimum seal depth is 50 faet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.</li> <li>An access port at least 0.5 inches in diameter is required on the wellhead.</li> <li>A sample port is required on the discharge pipe near the wellhead.</li> <li>GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS             <li>Minimum surface seal thickness is two inches of cement grout placed by tremie.</li> <li>Minimum surface seal thickness is the maximum depth practicable or 20 feet.</li> </li></ol> </li> </ul>
WELL PROJECTS       in. Maximum         Casing Diameter       in. Depth         Surface Seal Depth       ft. Number         Soil BORINGS       10(a+0)-00 T-3         Number of Borings       10(a+0)-00 T-3         Number of Borings       10(a+0)-00 T-3         Hole Diameter       In. Depth         LOC (A       In. Depth         Interest agree to comply with all requirements of this permit and Alameda         County Ordinance No. 73-68.       Interest agree to thepth         SIGNATURE       Mat	<ul> <li>shall be used in place of compacted cuttings.</li> <li>E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.</li> <li>WELL DESTRUCTION. See attached.</li> <li>G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soll and water laboratory analysis results.</li> </ul>

Revised: April 27, 2005

ATTACH SITE PLAN OR SKETCH



# **PUBLIC WORKS PERMIT**

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

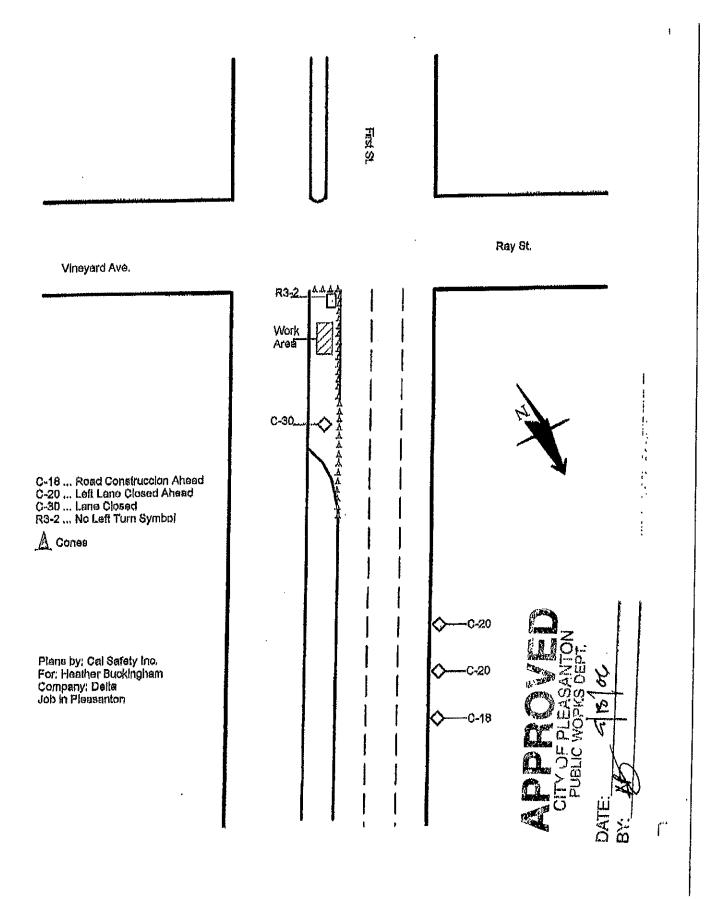
Project Address	APN#	<b>Permit #:</b> ENCR 201539 <b>Applicant</b> DELTA ENVIRONMENTAL COI
Project: ASSIGN -		······································
Owner	Contractor	
CONTRACTOR IS ALLOWED TO BORE TW	SHALL FILL HOLE WITH SLUP 5 & 9/27/06.	IRST STREET FOR SUBSURFACE RRY MIX AND PAVEMENT PATCH, Amount 160.00

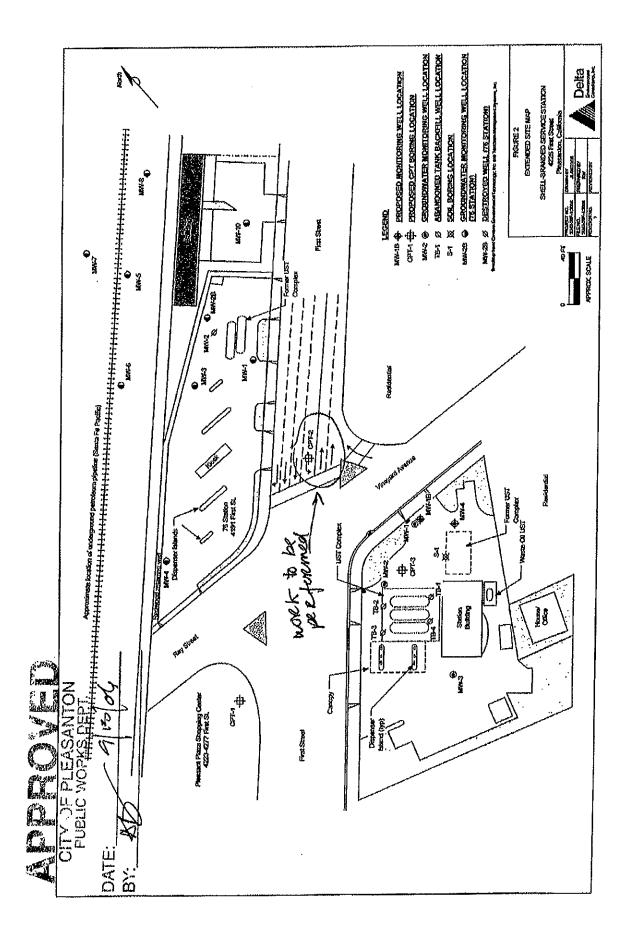
Entered: ARB

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

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

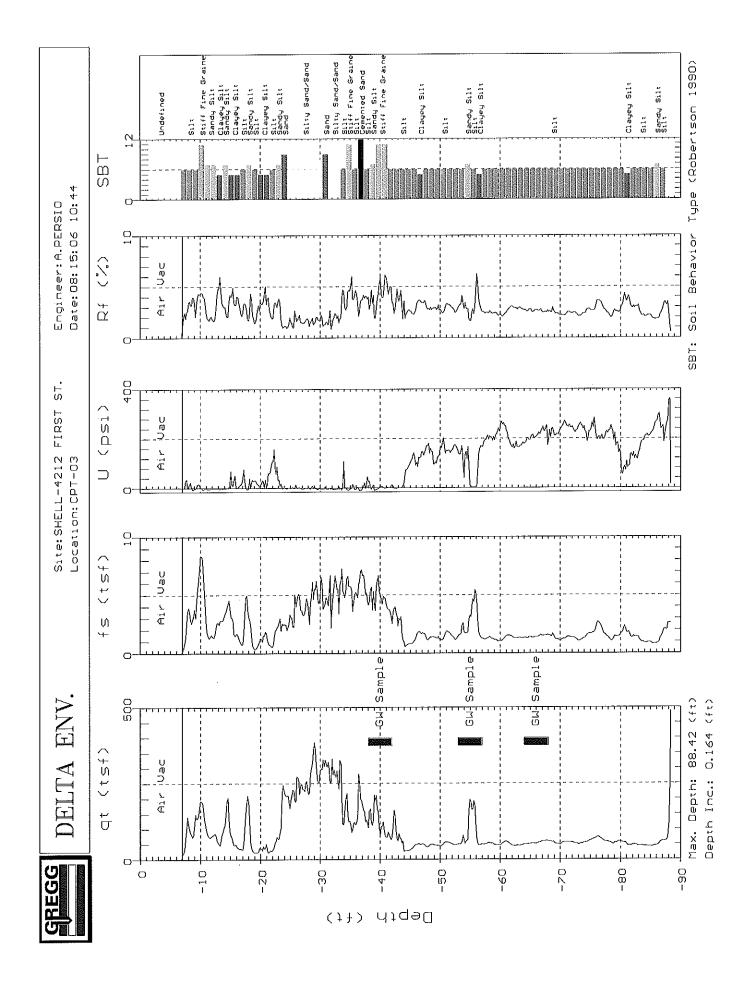
Total Fees: \$160.00	Payment:	\$160.00
Applicant or Agent (Hatthe Duchythin fee	Date of Issue:	13-SEP-2006 9/13/010
Engineering Division: (925) 931-5650 Pu	Env. Cons. blic Works Inspections: (925) 9	31-5680

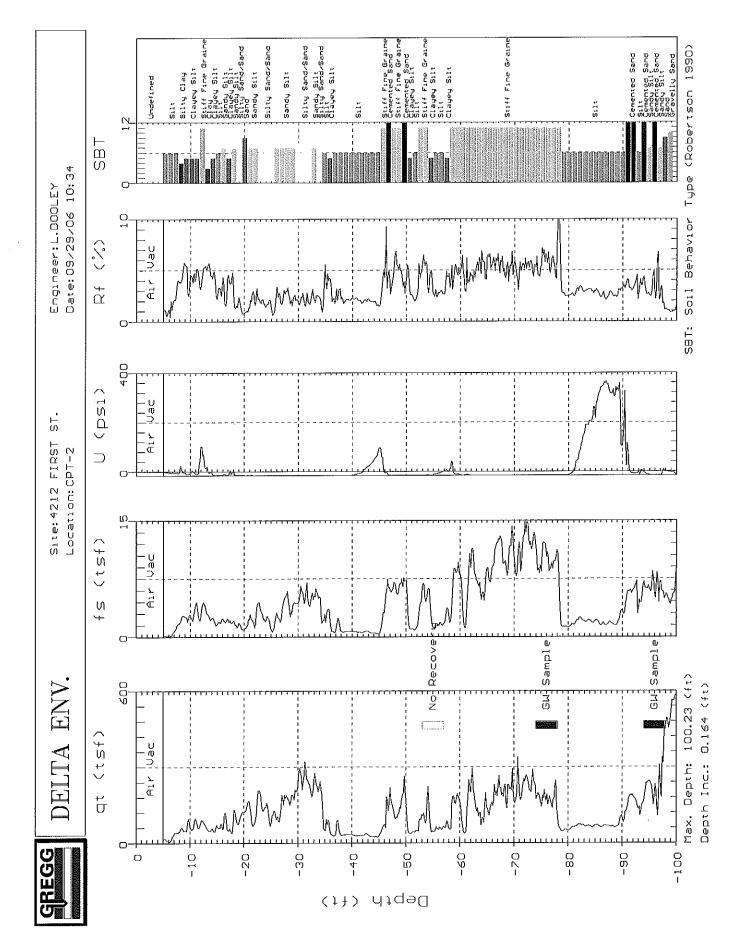




Attachment B

# **CPT SOIL GRAPH PROFILES**





# Attachment C

# CERTIFIED ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTS – GROUNDWATER





23 August, 2006

Lee Dooley Delta Environmental Consultants - San Jose 175 Bernal Rd, Suite 200 San Jose, CA 95119

RE: Shell 4212 N. 1st Street, Pleasanton Work Order: S608356

Enclosed are the results of analyses for samples received by the laboratory on 08/17/06 08:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sylvia Krenn Project Manager

CA ELAP Certificate # 2630

Page 1 of 10



819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100 www.testamericainc.com

Delta Environmental Consultants - San Jose 175 Bernal Rd, Suite 200 San Jose CA, 95119	Project: Shell 42 Project Number: 9899584 Project Manager: Lee Doo		asanton	S608356 Reported: 08/23/06 14:36
	ANALYTICAL REPORT FOR SA	MPLES		
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
СРТ-3@57'	S608356-01	Water	08/15/06 13:20	08/17/06 08:20

TestAmerica - Sacramento, CA



819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100 www.testamericainc.com

Delta Environmental Consultants - San Jose	Project: Shell 4212 N. 1st Street, Pleasanton	\$608356
175 Bernal Rd, Suite 200	Project Number: 98995840	Reported:
San Jose CA, 95119	Project Manager: Lee Dooley	08/23/06 14:36

# Gasoline\BTEX\Oxygenates by EPA method 8260B

	TestA	meric	a - Sacı	rament	o, CA				
Analyte	Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CPT-3@57' (S608356-01) Water	Sampled: 08/15/06 13:20	Receiv	ed: 08/17	/06 08:20					
Tert-butyl alcohol	2000	5.0	ug/l	1	6080262	08/18/06	08/18/06	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	n	It	и	U	U	U.	
Benzene	ND	0.50	D	0	11	U	u	u	
Ethylbenzene	0.78	0.50	n	н	I)	н	μ	0	
Toluene	ND	0.50	U	U		11	11	11	
Xylenes (total)	2.1	1.0	U	н		II	н	н	
Gasoline Range Organics (C4-C12	) 700	50	н	и	0	И	H	N	
Surrogate: 1,2-DCA-d4		108 %	60- <i>1</i>	40	п	"	n	"	
Surrogate: Toluene-d8		105 %	60-1	40	n	u	n	n	
Surrogate: 4-BFB		81 %	60-1	40	н	"	"	"	
CPT-3@57' (S608356-01RE1) Wat	ter Sampled: 08/15/06 1	3:20 R	eceived: 0	8/17/06 (	8:20				

Methyl tert-butyl ether	79	0.50	ug/l 1	6080323	08/21/06	08/21/06	EPA 8260B	
Surrogate: 1,2-DCA-d4		105 %	60-140	"	"	"	н	
Surrogate: Toluene-d8		102 %	60-140	"	и	"	"	
Surrogate: 4-BFB		104 %	60-140	"	п	n	11	



Delta Environmental Consultants - San Jose	Project: Shell 4212 N. 1st Street, Pleasan	ton \$608356
175 Bernal Rd, Suite 200	Project Number: 98995840	Reported:
San Jose CA, 95119	Project Manager: Lee Dooley	08/23/06 14:36

# TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6080262 - EPA 5030B [P/T] /	EPA 8260B									
Blank (6080262-BLK1)				Prepared	& Analyze	ed: 08/16/	06			
Ethanol	ND	50	ug/l		· · · · · · · · · · · · · · · · · · ·					
Tert-butyl alcohol	ND	5.0	и							
Methyl tert-butyl ether	ND	0,50	н							
Di-isopropyl ether	ND	2.0	н							
Ethyl tert-butyl ether	ND	2.0	и							
Tert-amyl methyl ether	ND	2.0	н							
1,2-Dichloroethane	ND	0,50	U							
1,2-Dibromoethane (EDB)	ND	0.50	U							
Benzene	ND	0,50	n							
Ethylbenzene	ND	0.50								
Toluenc	ND	0,50								
Xylenes (total)	ND	1.0	D.							
Gasoline Range Organics (C4-C12)	ND	50	v							
Surrogate: 1,2-DCA-d4	28.4		"	25.0		114	60-140			
Surrogate: Toluene-d8	25.4		"	25.0		102	60-140			
Surrogate: 4-BFB	20.3		"	25.0		81	60-140			
Blank (6080262-BLK2)				Prepared	& Analyze	ed: 08/17/	06			
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	0							
Methyl tert-butyl ether	ND	0.50	U							
Di-isopropyl ether	ND	2.0	0							
Ethyl tert-butyl ether	ND	2.0	U							
Tert-amyl methyl ether	ND	2.0	u .							
1,2-Dichloroethane	ND	0.50	н							
1,2-Dibromoethane (EDB)	ND	0.50	II							
Benzene	ND	0.50	0							
Ethylbenzene	ND	0.50	ч							
Toluene	ND	0.50	11							
Xylenes (total)	ND	1,0	"							
Gasoline Range Organics (C4-C12)	ND	50	+1							
Surrogate: 1,2-DCA-d4	28.1		"	25.0		112	60-140			
Surrogate: Toluene-d8	25.9		"	25.0		104	60-140			
Surrogate: 4-BFB	19.9		"	25.0		80	60-140			

TestAmerica - Sacramento, CA



Delta Environmental Consultants - San Jose	Project:	Shell 4212 N. 1st Street, Pleasanton	S608356
175 Bernal Rd, Suite 200	Project Number:	98995840	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	08/23/06 14:36

# TestAmerica - Sacramento, CA

					-					
Analisa	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Linu	Onna	Level	ream	741130	2		2	
Batch 6080262 - EPA 5030B [P/T] /	EPA 8260B									
Blank (6080262-BLK3)				Prepared	& Analyze	ed: 08/18/0	06			
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	11							
Methyl tert-butyl ether	ND	0.50	11							
Di-isopropyl ether	ND	2.0	н							
Ethyl tert-butyl ether	ND	2.0	н							
Tert-amyl methyl ether	ND	2.0	н							
1,2-Dichloroethane	ND	0.50	B.							
1,2-Dibromoethane (EDB)	ND	0,50	11							
Benzene	ND	0.50	μ							
Ethylbenzene	ND	0,50	u							
Toluene	ND	0.50	μ							
Xylenes (total)	ND	1.0	и							
Gasoline Range Organics (C4-C12)	ND	50								
Surrogate: 1,2-DCA-d4	27.6		H	25.0		110	60-140			
Surrogate: Toluene-d8	26.1		п	25.0		104	60-140			
Surrogate: 4-BFB	20.2		"	25.0		81	60-140			
Laboratory Control Sample (6080262-]	BS1)			Prepared	& Analyze	ed: 08/16/0	06			
Methyl tert-butyl ether	31.5	0.50	ug/l	52.0		61	60-140			
Toluene	202	0,50	"	188		107	70-130			
Gasoline Range Organics (C4-C12)	2490	50	v	2200		113	70-130			
Surrogate: 1,2-DCA-d4	27.4		"	25.0		110	60-140			
Surrogate: Toluene-d8	25.6		"	25.0		102	60-140			
Surrogate: 4-BFB	23.1		"	25.0		92	60-140			
Laboratory Control Sample (6080262-1	BS2)			Prepared	& Analyzo	ed: 08/16/0	06			
Methyl tert-butyl ether	17.2	0,50	ug/l	20.0		86	60-140			
Benzene	15,5	0,50	н	20,0		78	70-130			
Toluene	17.8	0.50	0	20.0		89	70-130			
Surrogate: 1,2-DCA-d4	27.1		11	25.0		108	60-140			
Surrogate: Toluene-d8	26.0		н	25.0		104	60-140			
Surrogate: 4-BFB	21.6		"	25.0		86	60-140			

TestAmerica - Sacramento, CA



Delta Environmental Consultants - San Jose	Project: Shell 4212 N. 1st Street, Pleasanton	S608356
175 Bernal Rd, Suite 200	Project Number: 98995840	Reported:
San Jose CA, 95119	Project Manager: Lee Dooley	08/23/06 14:36

# TestAmerica - Sacramento, CA

					·					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6080262 - EPA 5030B [P/T]	/ EPA 8260B									
Laboratory Control Sample (6080262-				Prepared	& Analyze	ed: 08/17/	06			
Methyl tert-butyl ether	17.9	0,50	ug/l	20.0		90	60-140			
Benzene	15.6	0.50	11	20.0		78	70-130			
Toluene	16.8	0.50	ч	20,0		84	70-130			
Surrogate: 1,2-DCA-d4	27.5		"	25.0		110	60-140			
Surrogate: Toluene-d8	25.8		"	25.0		103	60-140			
Surrogate: 4-BFB	21.0		"	25.0		84	60-140			
Laboratory Control Sample (6080262-	BS4)			Prepared	& Analyze	ed: 08/18/	06			
Gasoline Range Organics (C4-C12)	2330	50	ug/l	2200		106	70-130			
Surrogate: 1,2-DCA-d4	26,9		"	25.0		108	60-140			
Surrogate: Toluene-d8	27.1		"	25.0		108	60-140			
Surrogate: 4-BFB	23.4		<i>ii</i>	25.0		94	60-140			
Laboratory Control Sample (6080262-	BS5)			Prepared	& Analyze	ed: 08/18/	06			
Methyl tert-butyl ether	16.9	0,50	ug/l	20.0		84	60-140			
Benzene	18.7	0.50	н	20.0		94	70-130			
Toluene	21,4	0.50	н	20.0		107	70-130			
Surrogate: 1,2-DCA-d4	25.9		"	25.0		104	60-140			
Surrogate: Toluene-d8	25.6		"	25.0		102	60-140			
Surrogate: 4-BFB	22.4		н	25.0		90	60-140			
Laboratory Control Sample (6080262-	BS6)			Prepared	& Analyze	ed: 08/17/	06			
Methyl tert-butyl ether	33.1	0,50	ug/l	52,0		64	60-140			
Toluene	220	0.50	11	188		117	70-130			
Gasoline Range Organics (C4-C12)	2570	50	P	2200		117	70-130			
Surrogate: 1,2-DCA-d4	28.7		"	25.0		115	60-140			
Surrogate: Toluene-d8	26.5		"	25.0		106	60-140			
Surrogate: 4-BFB	21.9		"	25.0		88	60-140			



Delta Environmental Consultants	San Jose Project:	Shell 4212 N. 1st Street, Pleasanton	S608356
175 Bernal Rd, Suite 200	Project Number:	98995840	Reported:
San Jose CA, 95119	Project Manager:		08/23/06 14:36

# TestAmerica - Sacramento, CA

	- ·	Reporting	TT. '-	Spike	Source	WDE0	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Linut	INDIES
Batch 6080262 - EPA 5030B [P/T] /	EPA 8260B									
Matrix Spike (6080262-MS1)	Source: So	608157-03		Prepared	& Analyz	ed: 08/16/				
Methyl tert-butyl ether	32,3	0.50	ug/l	52.0	ND	62	60-140			
Toluene	196	0.50	11	188	ND	104	70-130			
Gasoline Range Organics (C4-C12)	2090	50	н	2200	ND	95	60-140		· · · · · · · · · · · · · · · · · · ·	
Surrogate: 1,2-DCA-d4	21.4		"	25.0		86	60-140			
Surrogate: Toluene-d8	26.5		"	25.0		106	60-140			
Surrogate: 4-BFB	26.8		́ И	25.0		107	60-140			
Matrix Spike Dup (6080262-MSD1)	Source: S	608157-03		Prepared	& Analyz	ed: 08/16/	06			
Methyl tert-butyl ether	32.4	0.50	ug/l	52,0	ND	62	60-140	0.3	25	
Toluene	206	0.50	и	188	ND	110	70-130	5	25	
Gasoline Range Organics (C4-C12)	2410	50	11	2200	ND	110	60-140	14	25	
Surrogate: 1,2-DCA-d4	28.8		"	25.0		115	60-140			
Surrogate: Toluene-d8	25.8		"	25.0		103	60-140			
Surrogate: 4-BFB	22.1		"	25.0		88	60-140			
Batch 6080323 - EPA 5030B [P/T] /	EPA 8260B									
Blank (6080323-BLK1)				Prepared	& Analyz	ed: 08/18/	06			
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	U							
Methyl tert-butyl ether	ND	0,50	u							
Di-isopropyl ether	ND	2.0	11							
Ethyl tert-butyl ether	ND	2.0	11							
Tert-amyl methyl ether	ND	2.0	11							
1,2-Dichloroethane	ND	0.50	P							
1,2-Dibromoethane (EDB)	ND	0,50	It							
Benzene	ND	0.50	и							
Ethylbenzene	ND	0.50	и							
Toluene	ND	0.50								
Xylenes (total)	ND	1.0	н				•			
Gasoline Range Organics (C4-C12)	ND	50	н							
Surrogate: 1,2-DCA-d4	27.6		"	25.0		110	60-140			
	A			25.0		104	60 140			

u

"

26.1

20.2

25.0

25.0

Surrogate: Toluene-d8

Surrogate: 4-BFB

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

60-140

60-140

104

81



Delta Environmental Consultants - San Jose	Project: Project Number:	Shell 4212 N. 1st Street, Pleasanton	S608356 Reported:
175 Bernal Rd, Suite 200 San Jose CA, 95119	Project Manager:		08/23/06 14:36

# TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6080323 - EPA 5030B [P/T]	/ EPA 8260B									
				Prepared	& Analyze	d: 08/21/0	)6			
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5,0	9							
Methyl tert-butyl ether	ND	0.50	11							
Di-isopropyl ether	ND	2.0	н							
Ethyl tert-butyl ether	ND	2.0								
Tert-amyl methyl ether	ND	2.0	и							
1,2-Dichloroethanc	ND	0.50	U							
1,2-Dibromoethane (EDB)	ND	0.50	н							
Benzene	ND	0.50	11							
Ethylbenzene	ND	0.50	U							
Toluene	ND	0.50	0							
Xylenes (total)	ND	1.0	U							
Gasoline Range Organics (C4-C12)	ND	50	a							
Surrogate: 1,2-DCA-d4	26.6		"	25.0		106	60-140			
Surrogate: Toluene-d8	26.2		"	25.0		105	60-140			
Surrogate: 4-BFB	26.1		"	25.0		104	60-140			
Laboratory Control Sample (6080323-	BS1)			Prepared	& Analyze	ed: 08/18/	06			
Gasoline Range Organics (C4-C12)	2330	50	ug/l	2000		116	70-130			
Surrogate: 1,2-DCA-d4	26.9		"	25.0		108	60-140			
Surrogate: Toluene-d8	27.1		u	25.0		108	60-140			
Surrogate: 4-BFB	23.4		"	25.0		94	60-140			
Laboratory Control Sample (6080323-	-BS2)			Prepared	& Analyze	ed: 08/18/	06			
Methyl tert-butyl ether	16,9	0.50	ug/l	20.0		84	60-140			
Benzene	18.7	0.50	u	20,0		94	70-130			
Toluene	21.4	0.50	U	20.0		107	70-130			
Surrogate: 1,2-DCA-d4	25.9		"	25.0		104	60-140			
Surrogate: Toluene-d8	25.6		"	25.0		102	60-140			
Surrogate: 4-BFB	22.4		"	25.0		90	60-140			



Delta Environmental Consultants - San Jose	Project: Shell 4212 N. 1st Street, Pleasanton	S608356
175 Bernal Rd, Suite 200	Project Number: 98995840	Reported:
San Jose CA, 95119	Project Manager: Lee Dooley	08/23/06 14:36

	Те	stAmeric	a - Sac	crament	o, CA					
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6080323 - EPA 5030B [P/T] /	EPA 8260B									
Laboratory Control Sample (6080323-B	S3)			Prepared	& Analyze	ed: 08/21/	06			
Gasoline Range Organics (C4-C12)	1740	50	ug/l	2000		87	70-130			
Surrogate: 1,2-DCA-d4	26.2		"	25.0		105	60-140			
Surrogate: Toluene-d8	25.9		<b>"</b> .	25.0		104	60-140			
Surrogate: 4-BFB	27.5		"	25.0		110	60-140			
Laboratory Control Sample (6080323-B	S4)			Prepared	& Analyze	ed: 08/21/	06			
Methyl tert-butyl ether	20.4	0.50	ug/l	20.0		102	60-140			
Benzene	19.7	0.50	н	20.0		98	70-130			
Toluene	17.6	0.50	н	20.0		88	70-130			
Surrogate: 1,2-DCA-d4	25.2		"	25.0		101	60-140			
Surrogate: Toluene-d8	25.7		"	25.0		103	60-140			
Surrogate: 4-BFB	26.7		11	25.0		107	60-140			
Matrix Spike (6080323-MS1)	Source: S6	08184-04		Prepared	& Analyze	ed: 08/18/	06			
Methyl tert-butyl ether	31.2	0.50	ug/l	52.0	0.180	60	60-140			QM02
Benzene	23.1	0,50	н	38.8	ND	60	70-130			QM02
Toluene	202	0.50	н	188	0.820	107	70-130			
Gasoline Range Organics (C4-C12)	2350	50	0	2200	329	92	60-140			
Surrogate: 1,2-DCA-d4	27.1		"	25.0		108	60-140			
Surrogate: Toluene-d8	25.5		"	25.0		102	60-140			
Surrogate: 4-BFB	21.2		"	25.0		85	60-140			
Matrix Spike Dup (6080323-MSD1)	Source: S6	08184-04		Prepared	& Analyze	ed: 08/18/	06			
Methyl tert-butyl ether	35.2	0,50	ug/l	52.0	0.180	67	60-140	12	25	
Benzene	26.2	0.50	U	38,8	ND	68	70-130	13	25	QM02
Toluenc	229	0,50	0	188	0.820	121	70-130	13	25	
Gasoline Range Organics (C4-C12)	2750	50	U	2200	329	110	60-140	16	25	
Surrogate: 1,2-DCA-d4	27.6		n	25.0		110	60-140			
Surrogate: Toluene-d8	25.4		n	25.0		102	60-140			
Surrogate: 4-BFB	21.0		н	25.0		84	60-140			



819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100 www.testamericainc.com

Delta Environmental Consultants - San Jose 175 Bernal Rd, Suite 200 San Jose CA, 95119		Project: Project Number: Project Manager:		S608356 Reported: 08/23/06 14:36		
		Notes and De	finitions			
QM02	The spike recovery was below control li	mits for the MS and/or	MSD. The batch was accepted based on accep	table LCS recovery.		
DET	Analyte DETECTED					
ND	Analyte NOT DETECTED at or above the rep	porting limit or MDL, if M	DL is specified			
NR	Not Reported					
dry	Sample results reported on a dry weight basis	i				
RPD	Relative Percent Difference					

TestAmerica - Sacramento, CA

LAB: Test America STL Other Lab identification (if necessary):						Sł	łEI	L	Cł	nai	n (	Df	Cı	st	od	y I	Reco	ord	ł	9	$\checkmark$	MAL STO
TA - Irvine, California	Shell Pro	ect Manad	rer fo l	oe invo	piced	-									_		NUMBE					$\mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L}$
🗹 TA - Morgan Hill, California	i					•									1	1		<u> i i i i i i i i i i i i i i i i i i i</u>	<u> </u>	<u></u>		-
🗖 TA - Nashville, Tennesee		ientral servic	100.00.00											9	8	9	9	5	8 4	4   0		DATE:8/16/06
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Other (location)		STON		Denis T For En			DN - NC	) etim	) - SEN	d Papi	er inv	OICE										PAGE:1 of1
SAMPLING COMPANY:	LOG CODE:			SITE AD	DRESS:	Street 2	and City							State			GLOBAL ID	ND.:			i	
Delta Environmental Consultants, Inc.				4212 EDF DELIN								IPHON	- 10.		CA		T060010	01259	9			
175 Bernal Road, Suite 200, San Jose,	CA 95119					ro (Absp	KA12019 F	- mið er p		<b>F</b>		PROV	INO.				E-MAL:					CONSULTANT PROJECT NO.:
PROJECT CONTACT (Hardcopy or PDF Report to):				Lena N	lartine	z						408-	826-1	861			Imartine	z@de	eltaer	iv.con	n	SJ42-26F-1
Lee Dooley				SAMP	LER N	IAME(	(S) (P	rint):	Andre	ew Pe	oisio										AB US	SEONEY
TELEPHONE: FAX: 408-826-1880 408-225-850																						
TURNAROUND TIME (STANDARD IS 10 CALEN		RESULTS NEE ON WEEKEN											RI	EQUI	ESTE	ED A	NALYSI	IS			-	
🔲 LA - RWQCB REPORT FORMAT 🔲 UST AGE	ENCY:																		1			
GC/MS MTBE CONFIRMATION: HIGHEST	HIGHEST per BORING	ALL			I											TPH - Diesel, Extractable (8015m)						FIELD NOTES:
SPECIAL INSTRUCTIONS OR NOTES:	CHECK BOX IF EDD IS	NOT NEEDED		.												801						
				6			1	1	1							910	:					Container/Preservative or P/D Readings
				280	2	(B)				Į						cta						or Laboratory Notes
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E LABE	RECEIPT VERIFICATIO	N REQUESTE		ลับ	i (2) - X	, BV	8	8	8	8	E (8	No A	(82	jou	anc	ā						TEMPERATURE ON RECEIPT C°
Field Sample Identifica		- MATRIX	NO. OF CONT.	TPH - Purgeable (8280B)	BTEX (8260B)	6 Oxyganates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanof (8260B)	Methanol (8015M)	ΤРΗ				ł		
CPT-3 @ 57'	8/15/06 13:2		4	x	X	-	×	x											-	+		Ø
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885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericainc.com

18 October, 2006

Lee Dooley Delta Environmental Consultants [Shell] 175 Bernal Rd. Suite 200 San Jose, CA 95119

RE: 4212 First Street, Pleasanton Work Order: MPJ0418

Enclosed are the results of analyses for samples received by the laboratory on 10/02/06 18:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sherera allen

Theresa Allen For Leticia Reyes Project Manager

CA ELAP Certificate # 1210

Page 1 of 10



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885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericainc.com

Delta Environmental Consultants [Shell] 175 Bernal Rd. Suite 200 San Jose CA, 95119	Suite 200 Project Number: [none]										
ANALYTICAL REPORT FOR SAMPLES											
Sample ID	Labo	eratory ID	Matrix	Date Sampled	Date Received						
CPT-2d72-78	MPJ	10418-01	Water	09/29/06 15:00	10/02/06 18:30						
CPT-2d92-98	MPJ	10418-02	Water	09/29/06 15:30	10/02/06 18:30						

TestAmerica - Morgan Hill, CA



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885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericainc.com

Delta Environmental Consultants [She 175 Bernal Rd. Suite 200 San Jose CA, 95119	11]	Project: 4212 First Street, Pleasanton Project Number: [none] Project Manager: Lee Dooley					MPJ0418 Reported: 10/18/06 18:17		
Ĩ	otal Purgeabl	le Hydro tAmeric		-		CA LUF	Γ)		
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CPT-2d72-78 (MPJ0418-01) Water	Sampled: 09/29/06	15:00 Rec	eived: 10	)/02/06 18:	30				НТ-04
Gasoline Range Organics (C4-C12)	ND	50	ug/i	1	6J17009	10/17/06	10/18/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		87 %	60-	145	н	"	"	"	
CPT-2d92-98 (MPJ0418-02) Water	Sampled: 09/29/06	515:30 Rec	eived: 10	0/02/06 18:	30				
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6J13004	10/13/06	10/13/06	LUFT GCMS	
Surrogate: 1.2-Dichloroethane-d4		87 %		145	Ħ	H	11	11	

87 %

Surrogate: 1,2-Dichloroethane-d4

TestAmerica - Morgan Hill, CA

#### Test America Analytical Testing Corporation

885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericainc.com

Delta Environmental Consultants [Shell]	Project: 4212 First Street, Pleasanton	MPJ0418
175 Bernal Rd. Suite 200	Project Number: [none]	Reported:
San Jose CA, 95119	Project Manager: Lee Dooley	10/18/06 18:17
Volatile	Organic Compounds by EPA Method 8260	)B

#### TestAmerica - Morgan Hill, CA

Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
: 09/29/0	6 15:00 Rec	eived: 10	/02/06 18:	30				HT-04
0.99	0.50	ug/l	1	6J17009	10/17/06	10/18/06	EPA 8260B	
ND	0.50	0	U	u.	U	и	и	
ND	0.50		0	U.	0	Ð	n	
ND	0.50	0	ч	0	u	U.	н	
15	0.50	н	11	U	0		17	
27	20	н	11	0	11	0		
	89 %	75-	130	"	"	u	n	
	87 %	60-	145	"	"	"	"	
	92 %	70-	130	"	н	н	<i>u</i>	
	94 %	60-	120	"	н	n	u	
l; 09/29/0	6 15:30 Rec	eived: 10	)/02/06 18:	30				
ND	0.50	ug/l	1	6J13004	10/13/06	10/13/06	EPA 8260B	
ND	0.50	u	0	н	0	"	и	
ND	0.50	0	U	н	D	H	и	
ND	0.50	ч	0	D.	0	н	)I	
47	0.50	ч	u	11	0	н	н	
ND	20	11	9	D	U	P	И	
	90 %	75-	130	"	"	n	<i>II</i>	
	87 %	60-	145	"	"	n	11	
	94 %	70-	130	u	n	"	"	
	97 %		120	"	"	"	"	
	I: 09/29/00 0.99 ND ND 15 27 I: 09/29/00 ND ND ND ND ND ND ND 47	Result         Limit           1: 09/29/06 15:00         Rec           0.99         0.50           ND         0.50           ND         0.50           ND         0.50           ND         0.50           ND         0.50           15         0.50           27         20           89 %         87 %           92 %         94 %           1: 09/29/06 15:30         Rec           ND         0.50           ND         20           90 %         87 %	Result         Limit         Units           1: 09/29/06 15:00         Received: 10           0.99         0.50         ug/           ND         0.50         "           27         20         "           89 %         75- 87 %         60- 92 %           92 %         70- 94 %         60-           92 %         70- 94 %         60-           ND         0.50         ug/I           ND         0.50         "           ND         20         "           90 %         75- 87 %         60-	Result         Limit         Units         Dilution           1: 09/29/06 15:00         Received: 10/02/06 18:         1           0.99         0.50         ug/l         1           ND         0.50         "         "           15         0.50         "         "           27         20         "         "           89 %         75-130         87 %         60-145           92 %         70-130         94 %         60-120           1: 09/29/06 15:30         Received: 10/02/06 18:         18:           ND         0.50         "         "           ND         0.50         "         "	Result         Limit         Units         Dilution         Batch           1: 09/29/06 15:00         Received: 10/02/06 18:30         1         6J17009           ND         0.50         ug/1         1         6J17009           ND         0.50         "         "         "           27         20         "         "         "           89 %         75-130         "         "           92 %         70-130         "         "           92 %         70-130         "         "           92 %         70-130         "         "           92 %         70-130         "         "           ND         0.50         ug/l         1         6J13004           ND         0.50         "         "         "           ND         0.50         "         "         "           ND         0.50	Result         Limit         Units         Dilution         Batch         Prepared           1: 09/29/06 15:00         Received: 10/02/06 18:30         0.99         0.50         ug/l         1         6J17009         10/17/06           ND         0.50         "         "         "         "         "           ND         0.50         "         "         "         "         "           ND         0.50         "         "         "         "         "           15         0.50         "         "         "         "         "           27         20         "         "         "         "         "           89 %         75-130         "         "         "         "         "           87 %         60-145         "         "         "         "         "           92 %         70-130         "         "         "         "         "           1: 09/29/06 15:30         Received: 10/02/06 18:30         "         "         "         "           ND         0.50         "         "         "         "         "           ND         0.50 <td< td=""><td>Result         Limit         Units         Dilution         Batch         Prepared         Analyzed           1: 09/29/06 15:00         Received: 10/02/06 18:30           0.99         0.50         ug/1         1         6J17009         10/17/06         10/18/06           ND         0.50         "         "         "         "         "         "           ND         0.50         "         "         "         "         "         "         "           ND         0.50         "         "         "         "         "         "         "           ND         0.50         "         "         "         "         "         "         "           15         0.50         "         "         "         "         "         "         "           27         20         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "</td><td>Result         Limit         Units         Dilution         Batch         Prepared         Analyzed         Method           1: 09/29/06 15:00         Received: 10/02/06 18:30         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -<!--</td--></td></td<>	Result         Limit         Units         Dilution         Batch         Prepared         Analyzed           1: 09/29/06 15:00         Received: 10/02/06 18:30           0.99         0.50         ug/1         1         6J17009         10/17/06         10/18/06           ND         0.50         "         "         "         "         "         "           ND         0.50         "         "         "         "         "         "         "           ND         0.50         "         "         "         "         "         "         "           ND         0.50         "         "         "         "         "         "         "           15         0.50         "         "         "         "         "         "         "           27         20         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "	Result         Limit         Units         Dilution         Batch         Prepared         Analyzed         Method           1: 09/29/06 15:00         Received: 10/02/06 18:30         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - </td

## Test/Merica ANALYTICAL TESTING CORPORATION

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885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericainc.com

Delta Environmental Consultants [Shell]	Project:	4212 First Street, Pleasanton	MPJ0418
175 Bernal Rd. Suite 200	Project Number:	[none]	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	10/18/06 18:17

## Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control

## TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6J13004 - EPA 5030B P/T / LU	JFT GCMS									
Blank (6J13004-BLK1)				Prepared	& Analyze	ed: 10/13/	06			
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	1.96		"	2.50		78	60-145			
Laboratory Control Sample (6J13004-BS	52)			Prepared	& Analyze	:d: 10/13/	06			
Gasoline Range Organics (C4-C12)	463	50	ug/l	440		105	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.10		"	2.50		84	60-145			
Matrix Spike (6J13004-MS1)	Source: MPJ0449-01 Prepared & Analyzed: 10/13/06									
Gasoline Range Organics (C4-C12)	2880	50	ug/i	700	2200	97	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.21		n	2.50		88	60-145			
Matrix Spike Dup (6J13004-MSD1)	Source: M	PJ0449-01		Prepared	& Analyze	ed: 10/13/	06			
Surrogate: 1,2-Dichloroethane-d4	2.21		ug/l	2.50		88	60-145			
Batch 6J17009 - EPA 5030B P/T / LU	UFT GCMS									
,										
Blank (6J17009-BLK1)				Prepared	& Analyze	d: 10/17/	06			
	ND	50	ug/l	Prepared	& Analyzo	ed: 10/17/	06			
Gasoline Range Organics (C4-C12)	ND 1.82	50	ug/l "	Prepared 2.50	& Analyzo	ed: 10/17/ 73	06 60-145			
Gasoline Range Organics (C4-C12) Surrogate: 1,2-Dichloroethane-d4	1.82	50		2.50	& Analyzo	73	60-145			
Blank (6J17009-BLK1) Gasoline Range Organics (C4-C12) Surrogate: 1,2-Dichloroethane-d4 Laboratory Control Sample (6J17009-BS Gasoline Range Organics (C4-C12)	1.82	50		2.50		73	60-145			
Gasoline Range Organics (C4-C12) Surrogate: 1,2-Dichloroethane-d4 Laboratory Control Sample (6J17009-BS Gasoline Range Organics (C4-C12)	1.82 51)		11	2.50 Prepared		73 ed: 10/17/	<i>60-145</i> 06			
Gasoline Range Organics (C4-C12) Surrogate: 1,2-Dichloroethane-d4 Laboratory Control Sample (6J17009-BS Gasoline Range Organics (C4-C12) Surrogate: 1,2-Dichloroethane-d4	<i>1.82</i> <b>51)</b> 871 2.04		" ug/l	2.50 Prepared 700 2.50		73 ed: 10/17/ 124 82	60-145 06 75-140 60-145			
Gasoline Range Organics (C4-C12) Surrogate: 1,2-Dichloroethane-d4 Laboratory Control Sample (6J17009-BS	<i>1.82</i> <b>51)</b> 871 2.04		" ug/l	2.50 Prepared 700 2.50	& Analyze	73 ed: 10/17/ 124 82	60-145 06 75-140 60-145			

# Test Amalytical Testing Corporation

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885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericainc.com

Delta Environmental Consultants [Shell]	Project: 42	• .	MPJ0418
175 Bernal Rd. Suite 200	Project Number: [nc		Reported:
San Jose CA, 95119	Project Manager: Le		10/18/06-18:17

## Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control

#### TestAmerica - Morgan Hill, CA

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6J17009 - EPA 5030B P/T / L	UFT GCMS									
Matrix Spike (6J17009-MS1)	Source: MP	J0592-01		Prepared:	10/17/06	Analyzed	l: 10/18/06			
Gasoline Range Organics (C4-C12)	1120	50	ug/l	700	210	130	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.10		н	2.50		84	60-145			
Matrix Spike Dup (6J17009-MSD1)	Source: MP	J0592-01		Prepared:	10/17/06	Analyzed	l: 10/18/06			
Gasoline Range Organics (C4-C12)	1040	50	ug/l	700	210	119	75-140	7	20	
Surrogate: 1,2-Dichloroethane-d4	2.12		st	2.50		85	60-145			



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885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericaine.com

Delta Environmental Consultants [Shell]	Project:	4212 First Street, Pleasanton	MPJ0418
175 Bernal Rd. Suite 200	Project Number:	[none]	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	10/18/06 18:17

# Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

		Reporting	. —	Spike	Source		%REC		RPD	
Analyte	Result	Límit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6J13004 - EPA 5030B P/T /	EPA 8260B								<u></u>	
Blank (6J13004-BLK1)				Prepared	& Analyz	ed: 10/13/	06			
Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	и							
Ethylbenzene	ND	0.50	D							
Xylenes (total)	ND	0.50	0							
Methyl tert-butyl ether	ND	0.50	u							
tert-Butyl alcohol	ND	20	11							
Surrogate: Dibromofluoromethane	2.23		н	2.50		89	75-130			
Surrogate: 1,2-Dichloroethane-d4	1.96		U U	2.50		78	60-145			
Surrogate: Toluene-d8	2,32		"	2.50		93	70-130			
Surrogate: 4-Bromofluorobenzene	2.22		"	2.50		89	60-120			
Laboratory Control Sample (6J13004	I-BS1)			Prepared	& Analyz	ed: 10/13/	06			
Benzene	10.9	0,50	ug/l	10.0		109	70-125			
Toluenc	10,7	0.50	и	10.0		107	70-120			
Ethylbenzene	10.4	0.50	н	10.0		104	70-130			
Xylenes (total)	32,2	0,50		30.0		107	80-125			
Methyl tert-butyl ether	10.7	0,50	U	10.0		107	50-140			
tert-Butyl alcohol	226	20	Ű	200		113	60-135			
Surrogate: Dibromofluoromethane	2.34		"	2.50		94	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.14		"	2.50		86	60-145			
Surrogate: Toluene-d8	2.39		"	2.50		96	70-130			
Surrogate: 4-Bromofluorobenzene	2.44		"	2.50		98	60-120			
Matrix Spike (6J13004-MS1)	Source: MI	PJ0449-01		Prepared	& Analyz	ed: 10/13/	06			
Benzene	18.4	0.50	ug/l	10.0	6,4	120	70-125			
Toluene	13.5	0,50	м	10.0	2.0	115	70-120			
Ethylbenzene	18.0	0.50	н	10.0	6.6	114	70-130			
Xylenes (total)	35,0	0.50	It	30.0	1.6	111	80-125			
Methyl tert-butyl ether	12.3	0,50		10.0	ND	123	50-140			
tert-Butyl alcohol	248	20	0	200	ND	124	60-135			
Surrogate: Dibromofluoromethane	2.42		u	2.50		97	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.21		11	2.50		88	60-145			
Surrogate: Toluene-d8	2.42		н	2.50		97	70-130			
Surrogate: 4-Bromofluorobenzene	2.40		н	2.50		96	60-120			

TestAmerica - Morgan Hill, CA

# Test/Merica AMALYTICAL TESTING CORPORATION

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885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericainc.com

Delta Environmental Consultants [Shell]	Project: 4212 First Street, Pleasanton	MPJ0418
175 Bernal Rd. Suite 200	Project Number: [none]	Reported:
San Jose CA, 95119	Project Manager: Lee Dooley	10/18/06 18:17

# Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### TestAmerica - Morgan Hill, CA

				-						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limít	Note
Batch 6J13004 - EPA 5030B P/T / E	PA 8260B									
Matrix Spike Dup (6J13004-MSD1)	Source: M	PJ0449-01		Prepared	& Analyze	ed: 10/13/	06			
Benzene	17.0	0.50	ug/l	10.0	6,4	106	70-125	8	15	
Toluene	12,5	0,50	D.	10.0	2.0	105	70-120	8	15	
Ethylbenzene	16.8	0.50	0	10.0	6.6	102	70-130	7	15	
Xylenes (total)	32,6	0.50	U	30.0	1.6	103	80-125	7	15	
Methyl tert-butyl ether	11.3	0.50	U	10.0	ND	113	50-140	8	25	
tert-Butyl alcohol	228	20	11	200	ND	114	60-135	8	35	
Surrogate: Dibromofluoromethane	2.38		"	2.50		95	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.21		11	2.50		88	60-145			
Surrogate: Toluene-d8	2.40		"	2.50		96	70-130			
Surrogate: 4-Bromofluorobenzene	2.40		n	2.50		96	60-120			

#### Batch 6J17009 - EPA 5030B P/T / EPA 8260B

Blank (6J17009-BLK1)				Prepared & Ana	alyzed: 10/17/	'06	
Benzene	ND	0.50	ug/l				
Toluene	ND	0,50	FI				
Ethylbenzene	ND	0.50	н				
Xylenes (total)	ND	0,50	н				
Methyl tert-butyl ether	ND	0.50	и				
Di-isopropyl ether	ND	0.50	IF.				
Ethyl tert-butyl ether	ND	0.50	0				
tert-Amyl methyl ether	ND	0.50	u				
tert-Butyl alcohol	ND	20	0				
1,2-Dichloroethane	ND	0,50	11				
1,2-Dibromoethane (EDB)	ND	0.50	н				
Ethanol	ND	100	н				
Surrogate: Dibromofluoromethane	2.13		H	2.50	85	75-130	
Surrogate: 1,2-Dichloroethane-d4	1.82		"	2.50	73	60-145	
Surrogate: Toluene-d8	2.31		"	2.50	<i>92</i>	70-130	
Surrogate: 4-Bromofluorobenzene	2.22		"	2.50	89	60-120	



Delta Environmental Consultants [Shell]	Project:	4212 First Street, Pleasanton	MPJ0418
175 Bernal Rd. Suite 200	Project Number:	[none]	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	10/18/06 18:17

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6J17009 - EPA 5030B P/T / El	PA 8260B									
Laboratory Control Sample (6J17009-B	<b>S</b> 1)			Prepared	& Analyz	ed: 10/17/	06			
Benzene	11.3	0.50	ug/l	10.0		113	70-125			
Toluene	11.1	0.50	υ	10.0		111	70-120			
Ethylbenzene	10.8	0.50	U	10.0		108	70-130			
Xylenes (total)	33,6	0,50	a	30,0		112	80-125			
Methyl tert-butyl ether	53.9	0.50	ч	50.0		108	50-140			
tert-Butyl alcohol	1160	20	н	1000		116	60-135	÷		
Surrogate: Dibromofluoromethane	2.29		"	2.50		92	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.04		п	2.50		82	60-145			
Surrogate: Toluene-d8	2.38		11	2.50		95	70-130			
Surrogate: 4-Bromofluorobenzene	2.39		"	2.50		96	60-120			
Matrix Spike (6J17009-MS1)	Source: M	PJ0592-01		Prepared:	10/17/06	Analyzed	1: 10/18/06			
Benzene	131	0.50	ug/i	10.0	110	210	70-125			QM04
Toluene	12.1	0.50	0	10.0	0.73	114	70-120			
Ethylbenzene	11.8	0,50	11	10.0	1.1	107	70-130			
Xylenes (total)	34.0	0.50	н	30.0	0.98	110	80-125			
Methyl tert-butyl ether	57.5	0.50	н	50.0	2,6	110	50-140			
tert-Butyl alcohol	1250	20	μ	1000	42	121	60-135			
Surrogate: Dibromofluoromethane	2.40		"	2.50		96	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.10		"	2.50		84	60-145			
Surrogate: Toluene-d8	2.45		"	2.50		98	70-130			
Surrogate: 4-Bromofluorobenzene	2.47		"	2.50		<i>99</i>	60-120			
Matrix Spike Dup (6J17009-MSD1)	Source: M	PJ0592-01		Prepared:	10/17/06	Analyzed	l: 10/18/06			
Benzene	118	0.50	ug/l	10.0	110	80	70-125	10	15	
Toluene	11.4	0.50	11	10.0	0.73	107	70-120	6	15	
Ethylbenzene	11.1	0.50	h	10.0	1,1	100	70-130	6	15	
Xylenes (total)	32.2	0.50	þi	30.0	0.98	104	80-125	5	15	
Methyl tert-butyl ether	55.4	0.50	н	50.0	2.6	106	50-140	4	25	
tert-Butyl alcohol	1160	20	н	1000	42	112	60-135	7	35	
Surrogate: Dibromofluoromethane	2.36		11	2.50		94	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.12			2.50		85	60-145			
Surrogate: Toluene-d8	2.46		"	2.50		98	70-130			
Surrogate: 4-Bromofluorobenzene	2.46		"	2.50		98	60-120			

TestAmerica - Morgan Hill, CA



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885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericainc.com

175 Bern	vironmental Consultants [Shell] al Rd. Suite 200	Project: Project Number: Project Manager:	MPJ0418 Reported:	
San Jose	CA, 95119	10/18/06 18:17		
		Notes and De	finitions	
QM04	The spike recovery was above control concentration. The QC batch was accept	limits for the MS and/or pted based on LCS and/o	MSD due to analyte concentration at 4 time r LCSD recoveries within the acceptance li	es or greater the spike mits.
HT-04	This sample was analyzed beyond the	EPA recommended holdi	ng time.	
DET	Analyte DETECTED			
ND	Analyte NOT DETECTED at or above the r	reporting limit or MDL, if M	DL is specified	
NR	Not Reported			
dry	Sample results reported on a dry weight bas	sis		
RPD	Relative Percent Difference			

TestAmerica - Morgan Hill, CA

	- Irvine, California		Person	to be i	invoice	d:	Den	is Br	rown								INCI	DEN	T NU	MBEI	(ES	ONL	'n		
	- Morgan Hill, California			STATES TO A	e connecci												<u></u>	1	<u></u>	<u> </u>	1	1	17272-272	2	
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PROJ	CT CONTACT (Hardcopy or PDF	Report to):							tineZ					4	408-82	6-186 <sup>.</sup>	[		ima	artine	z@de	ltaei	1V.CO	m	BTS#
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ple	ase also email resu		leitaenv.com CEIPT VERIFIC		QUESTED	IJ	Purgeable (826	Extractable (8	(8260B)	genates (82608) TBA, DIPE, TAM (8260B)	3260B)	8260B)	(8260B)	(8260B)	A (8260B)	i (8260R)	nol (8015M)	-				-			or Laborate
LAB	1	RE	CEIPT VERIFIC	ATION RE	QUESTED	NO. OF	<sup>o</sup> H - Purgeable (826	•H - Extractable (8	TEX (8260B)	Oxygenates (82608) ITBE, TBA, DIPE, TAM TBE (8260B)	3A (8260B)	PE (8260B)	AIVEE (8260B)	FBE (8260B)	2 DCA (8260B)	hanol (8260R)	athanol (8015M)	•							TEMPERATURE ON
ple LAB USE OMCT	1	RE le Identification		ATION RE	1		TPH - Purgeable (8260B)	TPH - Extractable (8015M)		5 Oxygenates (82608) (MTBE, TBA, DIPE, TAM MTBE (8260B)	-	DIPE (8260B)	TANEE (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EUB (azoue) Ethanol (8260R)	Wethanol (8015M)								
LAB	1	RE	CEIPT VERIFIC	ATION RE	MATRIX	NO. OF	🗙 🏹 TPH - Purgeable (826	TPH - Extractable (8	× BTEX (8260B)	5 Oxygenates (82608) (MTBE, TBA, DIPE, TAM X MTBE (82608)	-	DIPE (8260B)	TAWEE (8260B)	ETBE (8260B)	1,2 DCA (8260B)	Ethanol (8260B)	Wethanol (8015M)								TEMPERATURE ON
LAB	Field Samp	RE le Identification	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4		TPH - Extractable (8			x	DIPE (8260B)	TAWEE (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EUB (azeub) Ethanol (\$260R)	Mathanol (8015M)								TEMPERATURE ON
LAB	Field Samp	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE	ATION RE ING TIME	MATRIX GVV	NO. OF CONT.	х	TPH - Extractable (8	x	x	x	DIPE (8260B)	TANEE (8260B)	ETBE (8260B)	1,2 DCA (8260B)	Ethanol (8260B)	Mathanol (8015M)								TEMPERATURE ON
LAB	Field Samp	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4	х	TPH - Extractable (8	x	x	x	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EUB (0200B) Ethanol (8260R)	Mathanol (8015M)								TEMPERATURE ON
LAB	Field Samp	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4	х	TPH - Extractable (8	x	x	x	DIPE (8260B)	TANE (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EUB (0200B) Ethanol (8260R)	Methanol (8015M)								TEMPERATURE ON
LAB	Field Samp	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4	х	TPH - Extractable (8	x	x	x	DIPE (9260B)	TANE (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EUS (0200B)	Mathanol (8015M)								TEMPERATURE ON
LAB	Field Samp	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4	х	TPH - Extractable (8	x	x	x	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EUB (azoub)	Mathanol (8015M)								TEMPERATURE ON
LAB	Field Samp	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4	х	TPH - Extractable (8	x	x	x	DIPE (9260B)	TANE (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EU5 (92005)	Wethanol (8015M)								TEMPERATURE ON
LAB	Field Samp	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4	х	TPH - Extractable (8	x	x	x	DIPE (3260B)	TANE (8260B)	ETBE (8260B)	1,2 DCA (8260B)	Ethanol (8260E)	Wethanol (8015M)								TEMPERATURE ON
LAB	Field Sampl CPT-3d72-78 CPT-3d92-98	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4	х	TPH - Extractable (8	x	x	x	DIPE (8260B)	TAME (8260B)	- ETBE (8260B)	1,2 DCA (8260B)		Mathanol (8015M)								TEMPERATURE ON
LAB	Field Samp	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4	х	TPH - Extractable (8	x	x	x	DIPE (9260B)	TANE (8280B)	ETBE (8260B)	1,2 DCA (8260B)	Ethanol (\$2608)	Wathanoi (8015M)								TEMPERATURE ON
LAB	Field Sampl CPT-3d72-78 CPT-3d92-98	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4	х	TPH - Extractable (8	x	x	x	DIFE (9260B)	TAME (8260B)	- ETBE (8260B)	1,2 DCA (8260B)	EUE (2200B)	Mathanal (8045M)								TEMPERATURE ON
LAB	Field Sampl CPT-3d72-78 CPT-3d92-98	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006	ATION RE ING TIME 3:00	MATRIX GVV	NO. OF CONT. 4	х	TPH - Extractable (8	x	x	x	DIPE (8260B)	TAME (8260B)	- ETBE (8260B)	1,2 DCA (8260B)	Ethanol (\$2508)	Mathanal (8015M)								TEMPERATURE ON
	Field Sampl CPT-3d72-78 CPT-3d92-98	Re le Identification b I bV	CEIPT VERIFIC SAMPL DATE 9/29/2006 9/29/2006	ATION RE ING TIME 3:00	GW	NO. OF CONT. 4		TPH-Extractable (8	x	x	x	DIPE (9260B)	TANE (8280B)	- ETBE (8260B)	1,2 DCA (8260B)		Mathania (8015M)								TEMPERATURE ON 3.2 C
	Field Sampl CPT-3d72-78 CPT-3d92-98	Re le Identification اه ا	CEIPT VERIFIC SAMPL DATE 9/29/2006 9/29/2006	ATION RE ING TIME 3:00	GW	NO. OF CONT. 4 4	x	TPH-Extractable (8		x	x	DIPE (3260B)	TANE (8260B)	ETBE (8260B)	1,2 DCA (8260B)		Mathanol (8015M)				-/0				TEMPERATURE ON 3.2 C

CLIENT NAME: REC. BY (PRINT) WORKORDER:	SHELL / 5840 BA MAJDY	18	DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:		106 50 -9-06	- -	-	For Regula DRINKING WASTE WA	atory Purposes? WATER YES / ATER YES /(
CIRCLE THE APPRC	DPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESER	рH	SAMPLE	DATE	REMARKS:
· · · · · · · · · · · · · · · · · · ·	Present / Absent						MATRIX	SAMPLED	CONDITION (ET
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Revision 8			D, CONTACT PROJECT N	COLUMN PROVIDENCES STATE	Observation of the second			······	

Attachment D

# BORING LOGS WITH WELL CONSTRUCTION DETAILS

Delta Environmental Consultants, Inc.	Logged By: Driller: Drilling Method: Sampling Method: Casing Type: Slot Size: Gravel Pack: Elevation	SJ42-26 AP Gregg HSA/AK SS sch 40 F 0.01 #2/12 sa	(7') VC	Lo Da Ho Wo Wo	ent: cation: te Drilled: le Diamete le Depth: ell Diamete ell Depth: sing Sticks	108' er: 4" 108'		Well No: MW-1B Page 1 of 6 site map		
Well Completion Static E D Water S S E C Level	Moisture Content PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sampl Sampl Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Samp	<u> </u>	L.	THOLOGY / DESCRIPTION			
		air knifed &	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			~4" asphalt, ~8" base See Cambria's MVV- lithology between 1 a	boring log (a	attached) for soil         bg		

Delta Environmental Consultants, Inc.	Project No: Logged By: Driller: Drilling Method: Sampling Method: Casing Type: Slot Size: Gravel Pack:	sch 40 F 0.01 #2/12 sa	: (7') PVC	Date Hole Hole Well Well	nt: ation: Drilled: Diameter: Depth: Diameter: Depth: ng Stickup:	Shell Oil Products 4226 First Street 8/23/2006 12" 108' 4" 108' -	Location Map	Well No: MW-1B Page 2 of 6 ee site map			
Well Completion 단 한 Water 장 양 Level 路 장	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Northing Sample Interval	Soil Type	Easting	LITHOLOGY / DESCRIPTION				
			21 — 22 — 23 — 24 — 25 — 26 — 27 — 28 — 29 — 30 — 31 — 32 — 33 — 34 — 35 — 36 — 37 — 38 — 39 — 39 — 39 —								

	Project No:	SJ42-2	6F-1	Clien		Shell Oil Products	US	Well No: MW-1B			
	Logged By: Driller:	AP		Local Date	tion: Drilled:	4226 First Street 8/23/2006	Location Map	Page 3 of 6			
Delta	Drilling Meth	Gregg nod: HSA/AI	<b>(</b> 7')		Diameter:	12"	Location Map				
	Sampling Me		• (• )		Depth:	108'	Please se	ee site map			
Environmental	Casing Type		PVC		Diameter:	4"					
Consultants, Inc.	Slot Size:	0.01			Depth:	108'					
	Gravel Pack	k: #2/12 s evation		Casir Northing	ng Stickup:	 Easting	-				
	EK	evalion		lioining							
Well Completion Static	o e e	ing (	et)	Sample	e		· · · · · · · · · · · · · · · · · · ·				
Statio	Moisture Content	Reac ppm) etrati ws/6	Depth (feet)	/ery	Soil Type	LI	THOLOGY	/ DESCRIPTION			
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		14	59	<b>↑</b>	ML SI	LT: mottled yellow	brown and	orangish brown, hard,			
	dry	8.1 16	_		80	)-90% fines, <10% t	fine to very	fine grained sands,			
		21	60	<b>V</b>	lo	w plasticity					

Delta Environmental Consultants, Inc.	Driller: Drilling M Sampling Casing Ty Slot Size: Gravel Pa	Logged By: A Driller: C Drilling Method: F Sampling Method: S Casing Type: S Slot Size: C		F-1 (7') PVC and	Hole Hole Well Well	tion: Drilled: Diameter Depth: Depth: ng Stickup	r: r:	Shell Oil Products 4226 First Street 8/23/2006 12" 108' 4" 108' - Easting	Location Map	Well No: MW-1B Page 4 of 6 ee site map
Water Level Sa	Moistu Conter	PID Rea (ppm)	Penetration (blows/6")	Depth (feet)	Recovery Interval	Soil Type		Lľ	<b>FHOLOGY</b>	/ / DESCRIPTION
	dry dry	11.5 10.9 9.9	10 12 14 11 16 18 11 13 17	61         62         63         64         65         66         67         68         69         71         72         73         74         75         76         78						
	dry	9.1	11 13 16	79— 80		-		(80-90% fines, medium plast		y fine grained sands,

Envi	Delta Environmental Consultants, Inc.		Driller: Drilling Method: Sampling Method: Casing Type: Slot Size: Gravel Pack: Elevation		SJ42-26 AP Gregg HSA/AK SS sch 40 F 0.01 #2/12 sa	(7') ?VC	Lo Di Ho Ho W W	ient: ocation: ate Drilled ble Diame ble Depth: cell Diame ell Depth: asing Stic	108' er: 4" 108'	Location Map	Well No: MW-1B Page 5 of 6 see site map			
	etion	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Samp	Soil Type		LITHOLOGY	HOLOGY / DESCRIPTION			
			dry	9.2 9.9 11.9	10 14 18 10 16 21 13 16 20	81 — 82 — 83 — 84 — 85 — 86 — 88 — 88 — 90 — 91 — 92 — 93 — 93 — 93 — 95 — 96 — 97 —			hard, 70-80% fine low to no plasticity (15-25% ve	s, 20-30% ve				
Sand			wet	8.1	11 16 20	98 — 99 — 100		sc	Clayey SAND wit 20-30% gravels u coarse grained sa	o to 1" diame	own, dense, 10-20% fines, ter, 60-70% medium to coarse grained)			

	L	-							110	Well No: MW-1B	
	Project N		SJ42-26	5F-1		Clien Loca		Shell Oil Products 4226 First Street	03	Page 6 of 6	
	Logged I Driller:	БУ.	AP Gregg				Drilled:	8/23/2006	Location Map	1	
Dolta	Drilling N	lathad	HSA/AK	( <i>(</i> 7')			Diamete		Loodinnap		
Delta		g Method:	SS	(7)			Depth:	108'	Please	see site map	
Environmental	Casing 7		sch 40 F				Diamete			,	
Consultants, Inc.	Slot Size		0,01				Depth:	108'			
Consultants, me.	Gravel F		#2/12 sa	and			ng Sticki				
		Elevation			Nort			Easting			
Well Completion Static	_	Ê	50	žť)	Se	mple	m.				
Otatio	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)			Soil Type			( / DESCRIPTION	
Water Water Easing East Water Cassing East Cassing East C	Cont	ਸ਼ੂ ਰੂ	Plow	pth	Recovery	Interval	, io				
	20	Ĩ	۳	ă	Rec	Ē	00				
							SC	Clayey SAND with (	Gravel (co	nt.)	
				101 —							
				102 —							
				103						····-	
			13					(30-40% fines	40-60% f	ine to coarse graines sands,	
Sand	wet	0.7	17	104 —				10-20% grave			
		0.1	19	105		×					
				105 —	$\neg$		1				
				106							
				100-							
			13	107 —					, 55-65% s	sand, 10-20% gravels up to	
	wet	0.8	17					2" diameter)			
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Cambria Environmental Technology, Inc. 1144 - 65th St. Oakland, CA 94608 Telephone: (510) 420-0700 Fax: (510) 420-9170

4226 First Street, Pleasanton, California

Equiva Services LLC

ple-4226

241-0395

#### **BORING/WELL LOG**

SB-7

07-Apr-99

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  $\nabla$ REVIEWED BY B. Jakub DEPTH TO WATER (Static) 42.50ft (08-Apr-99) y Hand augered to 4' bgs; located E side of Vineyard exit near planter. REMARKS CONTACT DEPTH (ft bgs) TPHg (mg/kg) BLOW COUNTS GRAPHIC LOG RECOVERY EXTENT DEPTH (ft bgs) SAMPLE U.S.C.S. LITHOLOGIC DESCRIPTION WELL DIAGRAM C ASPHALT FILL. 0.3 1.5 Sandy SILT; (ML); brown (10YR4/3); very soft; wet; 5% clay, 70% silt, 25% fine to medium grained sand; low ML plasticity; moderate to low estimated permeability. 11 4.5 12 19 SILT; (ML); dark yellow brown (10YR4/6); stiff; moist; 5 5% clay, 85% silt, 8% sand, 2% fine grained gravel; low plasticity; low estimated permeability. ML 15 97 25 31 Clayey SILT; (ML); yellow brown (10YR5/8); stilf; damp; 38% clay, 50% silt, 2% fine grained sand, 10% fine to coarse subangular gravel; high plasticity; low estimated permeability. 16 25 ML. @ 14.3 - olive brown (2.5Y4/4) mottled with olive; 20% 35 15 clay, 78% silt, 2% fine grained gravel; medium plasticity; low estimated permeability. <1.0 SB-7 -15.011 19.5 22 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. <1.0 SB-7 SP 25 -20 20.3 - 19.5 🖂 ٬Ŋ٬ 200 101 GP Clavey Sandy GRAVEL: (GP); yellow brown (10YR5/6); 20% clay, 20% fine to coarse grained sand, 80% fine to ۰D coarse grained gravel (quartz, possibly chert); low to 20 D 24.3medium plasticity; low to moderate estimated 20 <1.0 SP SB-7 -25 permeability. 20  $\geq$ 25.3 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 - 24.5 ML estimated permeability. Clayey SILT; (ML); stiff; damp; 30% clay, 60% silt, 10% fine grained sand; high plasticity; low estimated 29 în permeability; trace carbon. Sandy GRAVEL with Clay; (GP); dark olive gray (5Y3/2); 15% clay, 5% silt, 35% fine to coarse grained 35 36 <1.0 SB-7 <u>•</u>∩• 29.3 30 40 0  $\overline{O}$ sand, 45% fine to coarse grained gravel (quartz); low GP ( ) plasticity; moderate to high estimated permeability. °1 \9 0 00 000 34.0 19 20 Clayey GRAVEL with Slit; (GC); yellow brown 08 35

BORING/WELL NAME

DRILLING STARTED

DRILLING COMPLETED \_\_\_\_07-Apr-99

WELL DEVELOPMENT DATE (YIELD) NA



CLIENT NAME

LOCATION

8/11/99

DEFAULT.GDT

G:\PLE4226\GINT\PLE4226.GPJ

(DH4C)

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JOB/SITE NAME

PROJECT NUMBER

6

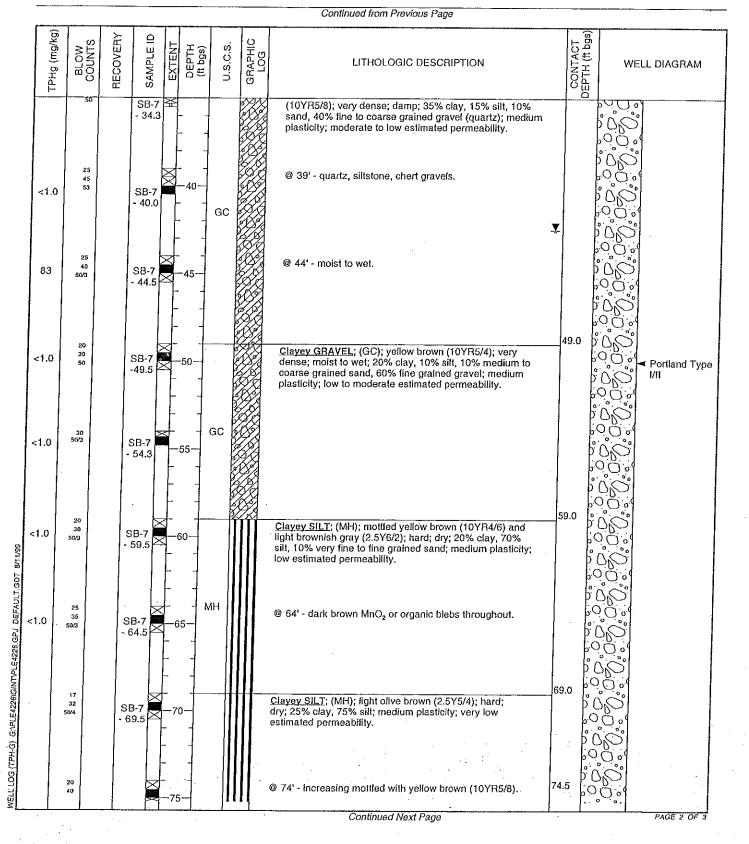
PAGE 1 OF 3

Continued Next Page

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

## **BORING/WELL LOG**

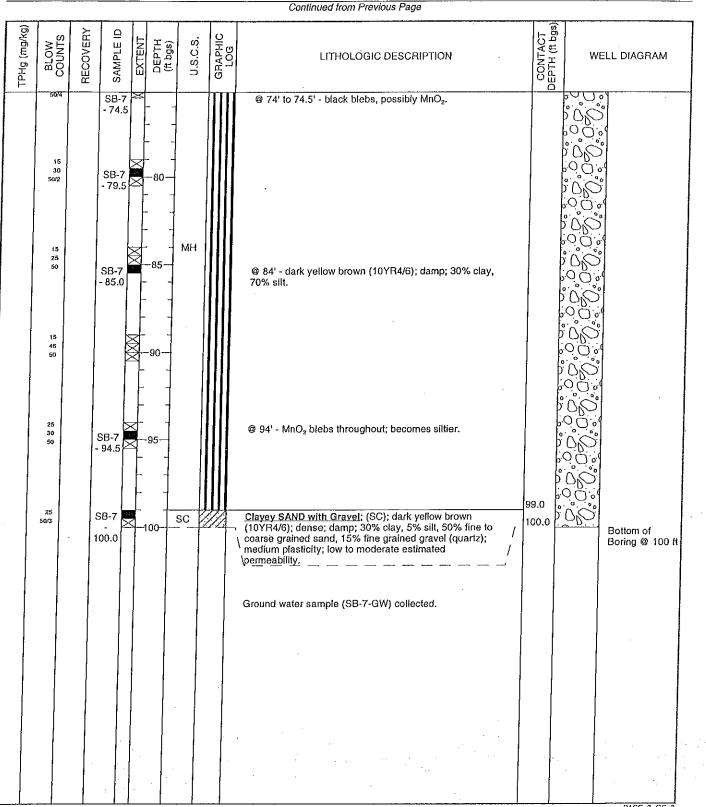
CLIENT NAME	Equiva Services LLC	BORING/WELL NAME	SB-7
JOB/SITE NAME	ple-4226	DRILLING STARTED	07-Apr-99
LOCATION	4226 First Street, Pleasanton, California	DRILLING COMPLETED	07-Apr-99



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
	4226 First Street, Pleasanton, California	DRILLING COMPLETED	07-Apr-99



WELL LOG (TPH-G) G:\PLE4228\GINTPLE4226.GPL DEFAULT.GDT 8/11/99

PAGE 3 OF

<b></b>	•		Project N	lo:	SJ42-26	<b>G</b> 1		Clien	f.	Shell Oil Products	118	Well No: MW-4
			Logged I		SJ42-26 AP	er= 1		Loca		4226 First Street	03	Page 1 of 3
	<b>H</b> .	4	Driller:	-y.	Gregg				Drilled:	8/24/2006	Location Map	
De	۱I	ta	Drilling N	Aethod:	HSA/AK	(7')			Diamete		Loosaion Map	
ーレマ	51	la		g Method:	SS	(V)			Depth:	50'	Please se	ee site map
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			Slot Size		0.01	VC			Depth:	47'		
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			Giaveri	Elevation	#212.00		Nort		ig otione	Easting	-	
Well Comp	oletion		0	bu	u (	et)	Sa	mple	a			
= n		Static Water	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		-	Soil Type	1 17		/ DESCRIPTION
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			dry	0.1	4	9-			sc			ained sands, 20-30% fines,
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						10			CL	Sandy Lean CLAY:	orangish br	own, very stiff, 5-10%
						13-		L.				% fine grained sands,
	_				6	14-				50-60% fines, low pla	sticity	
			moist	7.4	8	14-						
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				~	7	19-		- <b>T</b> -				medium dense, 20-30%
			moist	2	11			$\square$				s, trace gravels up to 0.5"
					11	20		•		diameter, low plastici	ıy	

			Drainat	101	SJ42-26	2 1		Clien	4.	Shell Oil Products		Well No: MW-4
			Project N Logged I		5J42-20 AP	n:=1		Loca		4226 First Street		Page 2 of 3
		1	Driller:	<b></b>	Gregg				Drilled:	8/24/2006	Location Map	I
D	<u> </u>	ta	Drilling N	lethod:	HSA/AK	(7')		Hole	Diamete	ər: 12"		
		u		g Method:	SS	.,		Hole	Depth:	50'	Please s	ee site map
Envir	onmo	ental	Casing T	-	sch 40 F	PVC		Well	Diamete	er: 4"		
Consu	ltant	s, Inc.	Slot Size	r:	0.01			Well	Depth:	47'		
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≣ 5		Water	Moisture Content	keac pm)	Penetration (blows/6")	Depth (feet)	Recovery	ŋ	Soil Type		THOLOGY	/ DESCRIPTION
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			moist	7.2	13	29-						diameter, 50-70% fine to
					17	30-		<b>•</b>		coarse grained sands	5	
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		V				33-						
	_	<b></b>			10				CL	Sandy lean CLAY w	ith Gravel	: brown, hard, 10-20%
			moist	340	16	34-				gravels up to 1" diam	eter, 20-30	% fine grained sands
	_				20	35-				(mostly in small inclu	sions or ler	nses), 50-70% fines,
								ļ.,		low plasticity		
					12	36-						
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<b>o</b>					17	37 -		<u> </u>				
Sand	_											
<b>"</b>						38-						
	_				13					(orangish brow	n w/arev n	nottling, 15-25% gravels up
			moist	762	17	39-		$\vdash$				ne grained sands, 45-65%
	—		moist	102	20	40				fines, low plast		
					20	140						

				0.140.00			01	4.	Shell Oil Products	119	Well No: MW-4
	Proj			SJ42-26	iF-1		Clien		4226 First Street	08	Page 3 of 3
		jed E	зy:	AP			Locat	uon: Drilled:	8/24/2006	Location Map	
IDAlta	Drill		latha di	Gregg	(71)					Location Map	
Delta				HSA/AK	.(7)			Diamete		Diegeo of	ee site map
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Well			5			- <u>r</u>					
Completion Sta	tic ≌	ŧ	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)		mple	ed y			
	ter <u>ts</u>	bte	Rea	etra ws	Ę.	Recovery	Interval	Soil Type	Lľ	THOLOGY	/ DESCRIPTION
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Sand					43—						
				14					no grey mottlir	ng, 10-20%	gravels, 20-30% fine
	m	ist	106	17	44 —				grained sands	, 50-70% fi	nes
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								CL	sandy lean CLAY: or	angish brov	vn, hard, 35-45% fine
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					60						

# Attachment E

## WELL SURVEY



# **Mid Coast Engineers**

**Civil Engineers and Land Surveyors** 

70 Penny Lane, Suite A - Watsonville, CA 95076 phone: (831) 724-2580 fax: (831) 724-8025 e-mail: lee@midcoastengineers.com Richard A. Wadsworth Civil Engineer

> Stanley O. Nielsen Land Surveyor Lee D. Vaage

Land Surveyor Jeff S. Nielsen

Land Surveyor

September 18, 2006

Heather Buckingham Delta Environmental Consultants, Inc. 175 Bernal Road, Suite 200 San Jose, CA 95119

## Re: Shell-branded Service Station, 4212 First Street, Pleasanton, California; DELTA Project No. SJ42-26S-1, MCE Job No. 06197

Dear Ms. Buckingham,

As you requested, September 15 we surveyed two new monitoring wells located at the referenced site. Our findings are listed on the attached sheets, expressed in State Plane Coordinates and Latitude/Longitude.

A notch was cut in the north rim of the PVC casing (TOC) and a cross chiseled in the north rim of the box (TOB).

Measurements were obtained from conventional survey techniques in combination with GPS techniques (Code CGPS), using data from a previous survey conducted by Virgil Chavez Land Surveying and reported on the GeoTracker web site. Latitude and Longitude as shown were determined from the California Coordinate System, Zone 3, NAD 83 Datum. The accuracy range of the reported information is +/- 1cm. GPS equipment is the Trimble 5700/5800 system (Code T57).

The benchmark used for this survey is the top of casing (TOC) of MW-3, as reported in the GEO\_Z DATA for the referenced site on the GeoTracker web site. Elevation = 375.05 feet, NGVD 29 datum.

Please let me know if you have questions or need additional information.

Yours truly,



#### SHELL-BRANDED SERVICE STATION 4226 First Street Pleasanton, California

#### DELTA Project No. SJ42-26S-1

Project: 06197 Date & Time 9:19:07 AM 9/18/2006 User name MCE Zone California Zone 3 0403 Coordinate System US State Plane 1983 Project Datum NAD 1983 (Conus) Vertical Datum NGVD 29 Coordinate Units US survey feet Distance Units US survey feet Elevation Units US survey feet Description Elevation Point Number Northing Easting 371.67 MW-1Btoc 6165227.51 8 2066784.82 MW-1Btob 6165227.34 372.08 9 2066785.17 MW-4toc 10 2066760.41 6165254.16 372.78 6165254.02 373.21 MW-4tob 11 2066760.79 MW-3toc 6165163.62 375.05 2 2066671.57

#### DELTA Project No. SJ42-26S-1

 Project : 06197

 User name
 MCE
 Date & Time
 9:19:07 AM 9/18/2006

 Coordinate System
 US State Plane 1983
 Zone
 California Zone 3 0403

 Project Datum
 NAD 1983 (Conus)

 Vertical Datum
 NGVD 29

 Coordinate Units
 US survey feet

 Distance Units
 US survey feet

 Elevation
 US survey feet

 Point Number
 Latitude
 Longitude
 Elevation

8	37.663022058°N	121.869644453°W	371.67	MW-1Btoc
9	37.663023008°N	121.869645060°W	372.08	MW-1Btob
10	37.662956093°N	121.869551164°W	372.78	MW-4toc
11	37.662957127°N	121.869551661°W	373.21	MW-4tob
2	37.662708492°N	121.869859419°W	375.05	MW-3toc

	A	B	С	D	E		F	G	Н	I	J	K	L
1	SHELL-BR	ANDED SEP	RVICE	STATION						1			
2	4226 First S	Street											
3	Pleasanton	, California										•••••••••••••••••••••••••••••••••••••••	
4													
5	DELTA Pro	ject No. SJ	42-26	S-1									
6													
7	Project : 06'	197											
8	User na	me MCE	Γ	Date & Time	9:19:07 AM 9/	18/2006							
9	Coordina	ate System	US	State Plane 1	983 Zone	Califo	mia Zone	3 0403					
10	Project I	Datum NA	D 198	33 (Conus)						Í			
11	Vertical	Datum NO	SVD 2	9									
12	Coordina	ate Units l	JS su	rvey feet						ł			
13	Distance	e Units US	surve	ey feet						1			
14	Elevatio	Elevation Units US survey feet		ey feet									
15													
16		MW-1B	MW	09/15/2006	37.6630221	-121	.8696445	CGPS	NAD83	1	Mid Coast Engineers	T57	top of casing
17		MW-4	MW	09/15/2006	37.6629561	-121	.8695512	CGPS	NAD83	1	Mid Coast Engineers	T57	top of casing

.

	A B	С	D	E	F	G	Н		J	K			
1	SHELL-BRANDED SE	RVICE STAT	ION										
2	4226 First Street												
3	Pleasanton, California	3											
4													
5	DELTA Project No. SJ	42-26S-1											
6													
7	Project : 06197												
8	User name MCE	Date &	Time 9:	19:07 A	M 9.	/18/2	006						
9	Coordinate System	US State P	lane 198	3 2	Zone	e C	alifornia Zo	one 3 0403					
10	Project Datum NA	D 1983 (Con	us)										
11	Vertical Datum N	GVD 29											
12	Coordinate Units	US survey fee	et										
13	Distance Units US	S survey feet											
14	Elevation Units U	S survey feet											
15													
16	MW-1B	09/15/2006	371.67	CGPS	29	0.5		Mid Coast Engineers		top of casing			
17	MW-4	09/15/2006	Mid Coast Engineers		top of casing								

·····

# Attachment F

# GROUNDWATER MONITORING AND SAMPLING REPORT, OCTOBER 19, 2006

BLAINE TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS SINCE 1985

October 19, 2006

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

> Third Quarter 2006 Groundwater Monitoring at Shell-branded Service Station 4226 First Street Pleasanton, CA

Monitoring performed on August 21 and September 21 and 28, 2006

Groundwater Monitoring Report 060821-PC-2 (Reissue)

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

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

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a fortyhour 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 Coordinator

MN/ks

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

cc: Lee Dooley Delta Environmental 175 Bernal Rd., Suite 200 San Jose, CA 95119

							MTBE	MTBE			Depth to	GW
Well ID	Date	TPPH	В	Т	Е	x	8020	8260	TBA	тос	Water	Elevation
		(ug/L)	(MSL)	(ft.)	(MSL)							
MW-1	06/16/1999	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	371.20	33.65	337,55
MW-1	09/24/1999	1,560	473	<10.0	<10.0	22.8	<2.50	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	371.20	36.79	334.41
MW-1	02/10/2000	523	106	<5.00	<5.00	31.8	2.90	NA	NA	371.20	34.90	336.30
MW-1	05/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	37.0	29.5	NA	371.20	32.55	338.65
MW-1	08/03/2000	808	290	<2.50	<2.50	8.90	<12.5	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	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	371.20	39.60	331.60
MW-1	05/30/2001	780	280	<2.0	<2.0	11	NA	<2.0	NA	371.20	39.53	331.67
MW-1	08/02/2001	1,900	580	<2.5	<2.5	12	NA	<25	NA	371.20	39.61	331.59
MW-1	12/06/2001	840	190	<0.50	<0.50	13	NA	<5.0	NA	371.20	39.63	331.57
MW-1	02/05/2002	2,700	650	<2.5	<2.5	7.2	NA	<25	NA	371.20	35.53	335.67
MW-1	06/17/2002	2,500	550	<2.0	<2.0	5.9	NA	<20	NA	371.20	39.29	331.91
MW-1	07/25/2002	690	130	<0.50	<0.50	4.4	NA	18	NA	371.20	39.39	331.81
MW-1	11/14/2002	400	31	<0.50	<0.50	2.7	NA	27	NA	371.20	40.00	331.20
MW-1	02/12/2003	840	0.85	<0.50	<0.50	<0.50	NA	40	NA	371.20	32.92	338.28
MW-1	05/14/2003	680	190	<2.5	<2.5	<5.0	NA	95	NA	371.20	32.57	338.63
MW-1	07/29/2003	870	190	<2.5	<2.5	<5.0	NA	150	NA	371.20	33.82	337.38
MW-1	11/19/2003	<200	14	<2.0	<2.0	<4.0	NA	230	NA	371.20	38.28	332.92
MW-1	02/19/2004	58 d	11	<0.50	<0.50	<1.0	NA	85	NA	371.20	36.93	334.27
MW-1	05/03/2004	670	310	<2.5	<2.5	<5.0	NA	420	NA	371.20	32.70	338.50
MVV-1	08/24/2004	430 d	34	<2.5	<2.5	<5.0	NA	690	NA	371.20	34.66	336.54
MW-1	11/15/2004	<250	29	<2.5	<2.5	<5.0	NA	470	NA	371.20	38.27	332.93
MW-1	02/02/2005	540 e	87	<2.5	<2.5	<5.0	NA	700	NA	371.20	32.02	339.18
MW-1	05/05/2005	460 e	88	<2.5	<2.5	<5.0	NA	300	NA	371.20	36.82	334.38
MW-1	08/05/2005	910	230	<2.5	<2.5	<5.0	NA	480	NA	371.20	33.35	337.85
MW-1	11/22/2005	1,760	27.4	<0.500	<0.500	1.18	NA	1,160	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	371.20	31.63	339.57

						`	MTBE	MTBE			Depth to	GW
WellID	Date	TPPH	В	Т	E	Х	8020	8260	TBA	тос	Water	Elevation
		(ug/L)	(MSL)	(ft.)	(MSL)							
- 												
MW-1	05/16/2006	1,100	130	<0.50	2.0	2.1	NA	1,600	NA	371.20	31.16	340.04
MW-1	08/21/2006	2,700	86.4	<0.500	0.790	0.810	NA	1,960	NA	371.20	33.07	338.13
					-							
MW-1B	09/21/2006	NA	371.67	76.94	294.73							
MW-1B	09/28/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	21	<20	371.67	77.15	294.52
												-
MW-2	02/03/2000	NA	NA	NA	NA_	NA	NA	NA	NA	372.40	32.65	339.75
MW-2	02/07/2000	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	372.40	36.62	335.78
MW-2	05/17/2000	120	4.09	<0.500	<0.500	<0.500	29.0	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	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	372.40	33.02	339.38
MW-2	03/01/2001	173	1.64	1.65	2.86	3.97	127	167	NA	372.40	32.54	339.86
MW-2	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	170	NA	372.40	32.42	339.98
MW-2	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	160	NA	372.40	32.55	339.85
MW-2	12/06/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	170	NA	372.40	33,15	339.25
MW-2	02/05/2002	<50	0.72	<0.50	<0.50	1.7	NA	170	NA	372.40	32.29	340,11
MW-2	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	260	NA	372.40	32.63	339.77
MW-2	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	280	NA	372.40	32.80	339.60
MW-2	11/14/2002	120	13	9.0	3.8	14	NA	430	NA	372.40	33.31	339.09
MW-2	02/12/2003	<100	<1.0	<1.0	<1.0	<1.0	NA	430	NA	372.40	32.15	340.25
MW-2	05/14/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	470	NA	372.40	32.01	340.39
MW-2	07/29/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	670	NA	372.40	32.51	339.89
MW-2	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	54	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	372.40	32.68	339.72
MW-2	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	5.2	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	372.40	32.44	339.96
MW-2	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	372.40	32.95	339.45
MW-2	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	372.40	31.94	340.46

							MTBE	MTBE			Depth to	GW
WellID	Date	TPPH	В	Т	Е	X	8020	8260	TBA	тос	Water	Elevation
		(ug/L)	(MSL)	(ft.)	(MSL)							
MW-2	05/05/2005	72 f	<0.50	<0.50	<0.50	<1.0	NA	4.9	NA	372.40	31.91	340.49
MW-2	08/05/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	16	NA	372.40	32.15	340.25
MW-2	11/22/2005	840	0.800	<0.500	<0.500	0.870	NA	556	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	372.40	31.70	340.70
MW-2	05/16/2006	1,400	<5.0	<5.0	<5.0	<10	NA	1,700	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	372.40	33.29	339.11
MW-3	02/03/2000	NA	375.05	32.06	342.99							
MW-3	02/07/2000	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	375.05	32.77	342.28
MW-3	05/17/2000	1,360	414	<5.00	<5.00	17.6	<25.0	NA	NA	375.05	31.00	344.05
MW-3	08/03/2000	<50.0	0.536	<0.500	<0.500	<0.500	22.0	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	375.05	31.28	343.77
MW-3	03/01/2001	384	172	0.815	<0.500	8.00	5.16	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	375.05	31.02	344.03
MW-3	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	93	NA	375.05	30.94	344.11
MW-3	12/06/2001	110	<0.50	<0.50	<0.50	2.3	NA	180	NA .	375.05	31.28	343.77
MW-3	02/05/2002	<50	0.89	0.60	<0.50	2.1	NA	130	NA	375.05	31.12	343.93
MW-3	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	72	NA	375.05	31.21	343.84
MW-3	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	81	NA	375.05	30.96	344.09
MW-3	11/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	60	NA	375.05	31.44	343.61
MW-3	02/12/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	43	NA	375.05	31.28	343.77
MW-3	05/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	375.05	31.20	343.85
MW-3	07/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	21	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	375.05	31.86	343.19
MW-3	02/19/2004	81	0.67	4.4	1.8	8.6	NA	13	NA	375.05	31.66	343.39
MW-3	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	13	NA	375.05	31.72	343.33
MW-3	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	10	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	375.05	31.50	343.55

	-						MTBE	MTBE			Depth to	GW
Well ID	Date	TPPH	В	T	E	Х	8020	8260	TBA	тос	Water	Elevation
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	_(MSL)	(ft.)	(MSL)
								-				
MW-3	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	3.1	NA	375.05	31.28	343.77
MW-3	05/05/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	2.3	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	375.05	31.35	343.70
MW-3	11/22/2005	<50	<0.500	<0.500	<0.500	<0.500	NA	3.84	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	375.05	31.24	343.81
MW-3	05/16/2006	<50	<0.50	<0.50	<0.50	<1.0	NA	4.5	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	375.05	31.95	343.10
MW-4	09/21/2006	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	<10,000	372.78	31.57	341.21
TB-1	02/12/2003	Well inacces	sible	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-1	02/28/2003	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	12.31	NA
							•					
TB-2	02/12/2003	Well inacces	sible	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-2	02/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.56	NA
TB-2	05/14/2003	Insufficient w	rater	NA	NA	NA	NA	NA	NA	NA	12.54	NA
TB-3	02/12/2003	Well dry	NA	NA	NA	NA						
TB-3	02/28/2003	Well dry	NA	NA	NA	NA						
TB-3	05/14/2003	Well dry	NA	NA	NA	NA						
												•
TB-4	02/12/2003	Well dry	NA	NA	NA	NA						
TB-4	02/28/2003	Well dry	NA	NA	NA	NA						
TB-4	05/14/2003	Well dry	NA	NA	NA	NA						

#### WELL CONCENTRATIONS Shell-branded Service Station 4226 First Street Pleasanton, CA

							MTBE	MTBE			Depth to	GW
WellID	Date	TPPH	В	Т	E	X	8020	8260	TBA	TOC	Water	Elevation
		(ug/L)	(MSL)	(ft.)	(MSL)							

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

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

#### Notes:

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.

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.



885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericainc.com

18 October, 2006

Michael Ninokata Blaine Tech Services - San Jose [Shell] 1680 Rogers Avenue San Jose, CA 95112

RE: 4226 First St., Pleasanton Work Order: MPJ0015

Enclosed are the results of analyses for samples received by the laboratory on 09/29/06 18:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

There aller

Theresa Allen For Leticia Reyes Project Manager

CA ELAP Certificate # 1210

Page 1 of 10



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Blaine Tech Services - San Jose [Shell] 1680 Rogers Avenue San Jose CA, 95112		MPJ0015 Reported: 10/18/06 16:37								
ANALYTICAL REPORT FOR SAMPLES										
Sample ID	Labor	atory ID	Matrix	Date Sampled	Date Received					
MW-1B	MPJ0	015-01	Water	09/28/06 14:25	09/29/06 18:30					
MW-4	MPJ0	015-02	Water	09/28/06 14:50	09/29/06 18:30					

TestAmerica - Morgan Hill, CA



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Blaine Tech Services - San Jose [Shell] 1680 Rogers Avenue San Jose CA, 95112		Project: 4226 First St., Pleasanton Project Number: 060928-WC-1 Project Manager: Michael Ninokata							10015 prted: 06 16:37
Tota	l Purgeable Test	•		ns by GC organ Hi	`	CA LUF	Г)		
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1B (MPJ0015-01) Water Sampled:	09/28/06 14:25	Received	: 09/29/0	)6 18:30					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6J08003	10/08/06	10/08/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		97 %	60	-145	"	"	"	"	
MW-4 (MPJ0015-02) Water Sampled: 0	9/28/06 14:50	Received:	09/ <b>2</b> 9/06	18:30					
Gasoline Range Organics (C4-C12)	11000	2500	ug/l	50	6J12013	10/12/06	10/12/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		90 %	60	-145	n	"	"	"	

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Volatile Organic Compounds by EPA Method 8260B TestAmerica - Morgan Hill, CA									
San Jose CA, 95112	Project Manager: Michael Ninokata	10/18/06 16:37							
1680 Rogers Avenue	Project Number: 060928-WC-1	Reported:							
Blaine Tech Services - San Jose [Shel1]	Project: 4226 First St., Pleasanton	MPJ0015							

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	. 1	Notes
MW-1B (MPJ0015-01) Water S	ampled: 09/28/06 14:25	Received	: 09/29/06	6 18:30						
Benzene	ND	0.50	ug/l	1	6J08003	10/08/06	10/08/06	EPA 8260B		
Toluene	ND	0.50	F1	U	11	*1	u	н		
Ethylbenzene	ND	0.50	H	н	<b>F1</b>	#1	u	μ		
Xylenes (total)	ND	0.50	17	н	41	#	н	н		
Methyl tert-butyl ether	21	0.50	19	n	**	44	U	н		
tert-Butyl alcohol	ND	20		31			H,	41		
Surrogate: Dibromofluoromethane		101 %	75-1	30	"	"	"	"		
Surrogate: 1,2-Dichloroethane-d4		97 %	60-1	45	"	"	n	"		
Surrogate: Toluene-d8		104 %	70-1	30	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		100 %	60-1	20	"	"	н	"		
MW-4 (MPJ0015-02) Water Sar	npled: 09/28/06 14:50	Received:	09/ <b>2</b> 9/06 :	18:30						
Benzene	ND	250	ug/l	500	6J11007	10/11/06	10/11/06	EPA 8260B		
Toluene	ND	250	v	н	"	**	15	ш		
Ethylbenzene	ND	250	••	н	•	**	u,	н		
Xylenes (total)	ND	250	**	н	*1	**	u	U		
Methyl tert-butyl ether	13000	250	17	ц	19		ц	н		
tert-Butyl alcohol	ND	10000		n		11	II	Ш		
Surrogate: Dibromofluoromethane		106%	75-1	30	"	"	"	"		
Surrogate: 1,2-Dichloroethane-d4		110 %	60-1	45	"	"	II	"		
Surrogate: Toluene-d8		100 %	70-1	30	"	"	11	"		
Surrogate: 4-Bromofluorobenzene		97 %	60-1	20	"	"	"	u		

TestAmerica - Morgan Hill, CA



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Blaine Tech Services - San Jose [Shell]	Project: 4226 First St., Pleasanton	MPJ0015
1680 Rogers Avenue	Project Number: 060928-WC-1	Reported:
San Jose CA, 95112	Project Manager: Michael Ninokata	10/18/06 16:37

#### Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control

	Tes	stAmeric	a - Mo	organ Hi	ll, CA					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6J08003 - EPA 5030B P/T / L	UFT GCMS									
Blank (6J08003-BLK1)				Prepared	& Analyzo	ed: 10/08/	06			
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.64		<i>u</i>	2.50		106	60-145			
Laboratory Control Sample (6J08003-B	S2)			Prepared of	& Analyze	ed: 10/08/	06			
Gasoline Range Organics (C4-C12)	427	50	ug/l	440		97	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.52		"	2.50		101	60-145			
Matrix Spike (6J08003-MS1)	Source: MI	PJ0169-10		Prepared a	& Analyze	d: 10/08/	06			
Gasoline Range Organics (C4-C12)	691	50	ug/l	700	ND	99	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.52		n	2.50		101	60-145			
Matrix Spike Dup (6J08003-MSD1)	Source: MI	PJ0169-10		Prepared a	& Analyze	d: 10/08/	06			
Gasoline Range Organics (C4-C12)	684	50	ug/l	700	ND	98	75-140	1	20	
Surrogate: 1,2-Dichloroethane-d4	2.48		"	2.50		99	60-145			
Batch 6J12013 - EPA 5030B P/T / L	UFT GCMS									
Blank (6J12013-BLK1)				Prepared a	& Analyze	d: 10/12/	06			
Gasoline Range Organios (C4-C12)	ND	50	ug/l		¥					
Surrogate: 1,2-Dichloroethane-d4	2.19		"	2.50		88	60-145			
Laboratory Control Sample (6J12013-B	S1)			Prepared a	& Analyze	d: 10/12/	06			
Gasoline Range Organics (C4-C12)	540	50	ug/l	700	ŕ	77	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.13		"	2.50		85	60-145			
Laboratory Control Sample (6J12013-B	S2)			Prepared a	& Analyze	d: 10/1 <b>2</b> /	06			
Gasoline Range Organics (C4-C12)	. 439	50	ug/l	440		100	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.08		"	2.50		83	60-145			

TestAmerica - Morgan Hill, CA



Blaine Tech Services - San Jose [Shell]	Project	: 4226 First St., Pleasanton	MPJ0015
1680 Rogers Avenue	Project Number	: 060928-WC-1	Reported:
San Jose CA, 95112	Project Manager	: Michael Ninokata	10/18/06 16:37

# Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control

### TestAmerica - Morgan Hill, CA

· · ·		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6J12013 - EPA 5030B P/T	/ LUFT GCMS									
Matrix Spike (6J12013-MS1)	Source: Ml	PJ0276-01		Prepared:	10/12/06	Analyzed	l: 10/13/06			
Gasoline Range Organics (C4-C12)	680	50	ug/l	700	ND	97	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.24		"	2.50		90	60-145			
Matrix Spike Dup (6J12013-MSD1)	Source: MI	PJ0276-01		Prepared:	10/12/06	Analyzed	1: 10/13/06			
Gasoline Range Organics (C4-C12)	637	50	ug/l	700	ND	91	75-140	7	20	
Surrogate: 1,2-Dichloroethane-d4	2.24		н	2.50		90	60-145			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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Blaine Tech Services - San Jose [Shell]	Project:	4226 First St., Pleasanton	MPJ0015	
1680 Rogers Avenue	Project Number:	060928-WC-1	Reported:	
San Jose CA, 95112	Project Manager:	Michael Ninokata	10/18/06 16:37	

#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### TestAmerica - Morgan Hill, CA

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6J08003 - EPA 5030B P/T /	EPA 8260B									
Blank (6J08003-BLK1)				Prepared	& Analyz	ed: 10/08/	06			
Benzene	ND	0.50	ug/l				÷ .			
Toluene	ND	0.50	.,				· •	· ·	• ·	2
Ethylbenzene	ND	0.50	11							
Xylenes (total)	ND	0.50	-							
Methyl tert-butyl ether	ND	0.50	"							
tert-Butyl alcohol	ND	20	u							
Surrogate: Dibromofluoromethane	2.60		"	2.50		104	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.64		"	2.50		106	60-145			
Surrogate: Toluene-d8	2.51		"	2.50		100	70-130			
Surrogate: 4-Bromofluorobenzene	2.51		"	2.50		100	60-120			
Laboratory Control Sample (6J08003	-BS1)			Prepared	& Analyze	ed: 10/08/	06			
Benzene	10.4	0.50	ug/l	10.0		104	70-125			
Toluene	11.6	0.50	17	10.0		116	70-120			
Ethylbenzene	10.5	0.50	**	10.0		105	70-130			
Xylenes (total)	33.1	0.50	**	30.0		110	80-125			
Methyl tert-butyl ether	11.7	0.50	n	10.0		117	50-140			
tert-Butyl alcohol	208	20	н	200		104	60-135			
Surrogate: Dibromofluoromethane	2.56		"	2.50		102	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.60		"	2.50		104	60-145			
Surrogate: Toluene-d8	2.67		"	2.50		107	70-130			
Surrogate: 4-Bromofluorobenzene	2.65		"	2.50		106	60-120			
Matrix Spike (6J08003-MS1)	Source: M	PJ0169-10		Prepared	& Analyze	ed: 10/08/	06			
Benzene	10.4	0.50	ug/l	10.0	ND	104	70-125			
Toluene	11.3	0.50	69	10.0	ND	113	70-120			
Ethylbenzene	10.6	0.50	11	10.0	0.27	103	70-130			
Xylenes (total)	33.0	0.50	u	30.0	ND	110	80-125			
Methyl tert-butyl ether	11.1	0.50	u	10.0	ND	111	50-140			
tert-Butyl alcohol	206	20	п	200	ND	103	60-135			
Surrogate: Dibromofluoromethane	2,58		"	2,50		103	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.52		"	2.50		101	60-145			
Surrogate: Toluene-d8	2.66		"	2.50		106	70-130			
Surrogate: 4-Bromofluorobenzene	2,69		"	2.50		108	60-120			

TestAmerica - Morgan Hill, CA



Blaine Tech Services - San Jose [Shell]	Project:	4226 First St., Pleasanton	MPJ0015
1680 Rogers Avenue	Project Number:	060928-WC-1	Reported:
San Jose CA, 95112	Project Manager:	Michael Ninokata	10/18/06 16:37

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

### TestAmerica - Morgan Hill, CA

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6J08003 - EPA 5030B P/T / E	PA 8260B									
Matrix Spike Dup (6J08003-MSD1)	Source: MP	J0169-10		Prepared of	& Analyze	d: 10/08/0	)6			
Benzene	10.4	0.50	ug/l	10.0	ND	104	70-125	0	15	
Toluene	11.2	0.50	<b>6</b> 4	10.0	ND	112	70-120	0.9	15	
Ethylbenzene	10.6	0.50	u	10.0	0.27	103	70-130	0	15	
Xylenes (total)	32.4	0.50	н	30.0	ND	108	80-125	2	15	
Mothyl tert-butyl ether	11.4	0.50	. 11	10.0	ND	114	50-140	3	25	
tert-Butyl alcohol	204	20		200	ND	102	60-135	1	35	
Surrogate: Dibromofluoromethane	2.54		"	2,50		102	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.48		"	2.50		<i>99</i>	60-145			
Surrogate: Toluene-d8	2.67		"	2.50		107	70-130			
Surrogate: 4-Bromofluorobenzene	2.70		"	2.50		108	60-120			

#### Batch 6J11007 - EPA 5030B P/T / EPA 8260B

Blank (6J11007-BLK1)				Prepared & Ana	alyzed: 10/11	/06	
Benzene	ND	0.50	ug/l				 
Toluenc	ND	0.50	u				
Ethylbenzene	ND	0.50	U				
Xylenes (total)	ND	0.50	D				
Methyl tert-butyl ether	ND	0.50	**				
Di-isopropyl ether	ND	0.50	tŧ				
Ethyl tert-butyl ether	ND	0.50	н				
tert-Amyl methyl ether	ND	0.50	u				4
tert-Butyl alcohol	ND	20	n				
1,2-Dichloroethane	ND	0.50	11				
1,2-Dibromoethane (EDB)	ND	0.50	п				
Ethanol	ND	100	18				
Surrogate: Dibromofluoromethane	2.56		"	2.50	102	75-130	
Surrogate: 1,2-Dichloroethane-d4	2.71		"	2.50	108	60-145	
Surrogate: Toluene-d8	2.49		11	2.50	100	70-130	
Surrogate: 4-Bromofluorobenzene	2.50		"	2.50	100	60-120	



	Blaine Tech Services - San Jose [Shell]	Project:	4226 First St., Pleasanton	MPJ0015
	1680 Rogers Avenue	Project Number:	060928-WC-1	Reported:
Ľ	San Jose CA, 95112	Project Manager:	Michael Ninokata	10/18/06 16:37

# Volatile Organic Compounds by EPA Method 8260B - Quality Control

	Те	stAmeric	a - Mo	organ Hi	ll, CA					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6J11007 - EPA 5030B P/T / E	PA 8260B									
Laboratory Control Sample (6J11007-E	BS1)			Prepared	& Analyze	ed: 10/11/	06			
Benzene	10.8	0.50	ug/l	10.0		108	70-125			
Toluene	11.2	0.50		10.0		112	70-120			
Ethylbenzene	11.6	0.50		10.0		116	70-130			
Xylenes (total)	34.4	0.50	н	30.0		115	80-125			
Methyl tert-butyl ether	10.4	0.50	и	10,0		104	50-140			
ert-Buiyl alcohol	201	20	14	200		100	60-135			
Surrogate: Dibromofluoromethane	2.54		"	2.50		102	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.60		n	2.50		104	60-145			
Surrogate: Toluene-d8	2.58		"	2.50		103	70-130			
Surrogate: 4-Bromofluorobenzene	2.56		н	2.50		102	60-120			
Matrix Spike (6J11007-MS1)	Source: M	PJ0038-18		Prepared a	& Analyze	d: 10/11/	06			
Benzenc	53.7	2.5	ug/l	50.0	ND	107	70-125			
l'oluene	55.2	2.5	**	50.0	ND	110	70-120			
Ethylbenzene	58.0	2.5	н	50.0	ND	116	70-130			
(ylenes (total)	173	2.5	**	150	ND	115	80-125			
Aethyl tert-butyl ether	69.8	2,5	п	50.0	10	120	50-140			
ert-Butyl alcohol	5360	100	н	1000	4400	96	60-135			
urrogate: Dibromofluoromethane	2,73		u	2.50		109	75-130			
urrogate: 1,2-Dichloroethane-d4	3.04		n	2.50		122	60-145			
urrogate: Toluene-d8	2.63	·	n	2.50		105	70-130			
urrogate: 4-Bromofluorobenzene	2.66		"	2.50		106	60-120			
Aatrix Spike Dup (6J11007-MSD1)	Source: MI	PJ0038-18		Prepared &	& Analyze	d: 10/11/0	06			
enzene	52.8	2.5	ug/l	50.0	ND	106	70-125	2	15	
oluene	55.1	2.5	n	50.0	ND	110	70-120	0.2	15	
thylbenzene	56.3	2.5	<b>63</b>	50.0	ND	113	70-130	3	15	
ylenes (total)	167	2.5	U.	150	ND	111	80-125	4	15	
fethyl tert-butyl ether	70.0	2.5	#1	50.0	10	120	50-140	0.3	25	
rt-Butyl alcohol	5480	100	П	1000	4400	108	60-135	2	35	
urrogate: Dibromofluoromethane	2.68		"	2.50		107	75-130			
urrogate: 1,2-Dichloroethane-d4	2.97		"	2.50		119	60-145			
wrogate: Toluene-d8	2.58		"	2.50		103	70-130			
urrogate: 4-Bromofluorobenzene	2.73		"	2,50		109	60-120			

TestAmerica - Morgan Hill, CA



885 Jarvis Drive Morgan Hill, CA 95037 (408) 776-9600 FAX (408) 782-6308 www.testamericainc.com

1680 Ro	Fech Services - San Jose [Shell] ogers Avenue e CA, 95112	Project Number:	4226 First St., Pleasanton 060928-WC-1 Michael Ninokata	MPJ0015 Reported; 10/18/06 16:37
<b></b>		Notes and De	finitions	
DET	Analyte DETECTED			
ND	Analyte NOT DETECTED at or above the	reporting limit or MDL, if M	IDL is specified	
NR	Not Reported			
dry	Sample results reported on a dry weight ba	sis		
RPD	Relative Percent Difference			

TestAmerica - Morgan Hill, CA

LAB: TA-Irvine, California					)	S⊦	IEL	_L	Ch	air	ı C	)f (	2114	str	hc	/ R	200	-07	А						
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SPECIAL INSTRUCTIONS OR NO SDAY TA- CC Lee Dooley <u>Idooley/</u> hbuckingham@deltaeny use Field Sample NI WW-1 C NI WW-1 C	Odeltaenv.com a	ding final re SAMI	NTRACT R EIMB RATE VERIFICAT r Buckin port. PLING TIME	APPLIES ION REQUE gham MATRIX	NO. OF CONT.	XX TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8016M)		5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAAE, ETBE)			DIPE (8260B)	TAME (\$260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Mathanol (8015M)							FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
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CLIENT NAME: <u>SHELL / BLAIN</u> REC. BY (PRINT) <u>Fit</u> WORKORDER: <b>MPJ0015</b>	<u></u>	DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN;		106	-	••.		tory Purposes? WATER YES/N TER YES/N
CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION		pН	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC
1. Custody Seal(s) Present / Absent								
2. Chain-of-Custody /Present / Absent*		<u>.</u>				· · ·		
3. Traffic Reports or Present / Absent							-	
4. Airbill: Airbill / Sticker						-		
Present / Absent						-		
5. Airbill #:				· ·		-		<u>.</u>
6. Sample Labels: Present / Absent								·····
7. Sample IDs:		-	-					
8. Sample Condition: Intact / Broken* / Leaking*							· · ·	· · · · · · · · · · · · · · · · · · ·
9. Does information on chain-of-custody,	•		. · ·		<u> </u>			
traffic reports and sample labels			· · · · · · · · · · · · · · · · · · ·		·	-		
agree? (Yes/No*			/		<u>···</u>			• •
10. Sample received within hold time?		•	·				•	-
11. Adequate sample volume				· .				ž
12. Proper preservatives used? (Yes / No*	••••••••	/	· · · · · ·					
13. Trip Blank / Temp Blank Received?		/				-		······································
(circle which, if yes) Yes / Kes		· · · · · · · · · · · · · · · · · · ·						
14. Read Temp: 5.0								······
Corrected Temp:								· · · · · · · · · · · · · · · · · · ·
Is corrected temp 4 ++/-2°C? (Yes)/ No**	/	<u></u>						· · · · · · · · · · · · · · · · · · ·
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(Acceptance range for samples requiring thermal pres.) **Exception (if any): METALS / DFF ON ICE	-{-							· ·
or Problem COC		· · · · · · · · · · · · · · · · · · ·			·			
SRL Revision 8 Replaces Rev 7 (07/19/05)	*IF CIRC	LED, CONTÁCT PROJEC	T MANAGER A	ND ATTA	CH RI	ECORD O	•	ION.

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Client Sh	ell		••••••••••••••••••••••••••••••••••••••				Date	912	Page of 28/06	
Site Address	4212	N.	1st St		Pleas	ante	$\sim \sim$		1	
Site Address	06	080	128-	we-	)	Tech	nician	h	51	
Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or 1888)	WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or lass)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1B MW-4							$\left  \right\rangle$			
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Client <u>4842</u> Site Address Job Number	<u>↓                                      </u>	ART S	F. Pleas	antor	n She	<u>  </u>	Date	91	12, 106	
Site Address	4212	N. Fu	rst, Pleasa	in ton					/	
Job Number	0609	21-(	6.1			Tech	nician	Ň.	6	
Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or leas)	WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Weilbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Wall Not Inspected (explain below)	Repair Order Submitted
MW-1B			-					X		
MW-4								1		
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NOTES:	MW-12	3-12f	+ dolph	in la	DC ON	well		<u></u>		
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# WELLHEAD INSPECTION CHECKLIST

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Client <u>she</u>	1					Date	<u>8  z1</u>	1/05		
Site Address	4226 1	stst. pe	asauton							
Job Number					· · · · · ·	Tech	nician	P. Gr	n;31	
Well ID	Woli Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12*or less)	WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Weilbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
mw-1	a	q	K							
MW-2	4	A	x							
MW-3	X	۵.	<u> </u>							
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NOTES:

SLAINE TECH SERVICES, INC.

www.blainetech.com

## WELL GAUGING DATA

Project # 060928-W- Date 9128106 Client Shell

# site 4212 N First Sty Pleasanton

	Well ID	Well Size (in.)	Sheen / Odor	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)		Depth to well bottom (ft.)	Survey Point: TOB or <b>P</b> OC	CT.M
W	W-1B w-4	4				77.15	108.05		1358
m	w-4	4				31.57	109.05	V	1351
					• • • • •				
-									
		<b>-</b>							
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Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

BTS #: 00	60923	-we-		Site: -	1212	N.1stst.	Pleasanton	
Sampler:				1	912.			
Well I.D.:	mw-1	B		1	Diameter		6 8	
Total Well	Depth (TI	): 10	8,05	Depth	to Wate	r (DTW): 7	7.15	
Depth to Fr	ee Produc	t:		Thick	iess of F	ree Product (fe	et):	
Referenced	to:	<u>v</u> y	Grade	D.O. N	Aeter (if	req'd):	YSI HACH	
DTW with	80% Rech	arge [(H	leight of Water	Colum	n x 0.20	)+DTW]: 😵	3.33	
Purge Method:	Bailer Disposable B Positive Air I Electrie Subi	ailer Displaceme		Waterra Peristattic tion Pump	1 3 9	Sampling Method	Gails Disposable Bailer Extraction Port Dedicated Tubing	
2 Co e Co 1 Case Volume		3 fied Volun	aes Calculated Vo	_ Gais. lume	<u>Well Diamcic</u> 1" 2" 3"	r: Multiplier Well 0.04 4" 0.16 6" 0.37 Othe	Diameter Multiplier 0.65 1.47 8 radius <sup>2</sup> * 0.163	
Time	Temp (°F)	pH	Cond. (mS or (13)	1	bidity T <u>Us</u> )	Gals. Removed	Observations	
1410	71.4	8,6	1071	82	کر	20	clear	
1414	70.5	6.5	1070	>10	00	40	cloudy brown	
1418	70.0	8,1	1058	710	000	60	clearing sligh	ity
·							) -	/
Did well dev	water?	Yes (	NG	Gallon	s actuall	y evacuated:	60	
Sampling D	ate: 9128	106	Sampling Time	: 148	25	Depth to Wate	r: 83,30	
Sample I.D.	mw.	1B		Labora	tory:	STL Other	A)	
Analyzed fo	г: трн-б)	FIBX)	MIBE TPH-D	Other:	TC	A		
EB I.D. (if a	pplicable)	:	Time	Duplic	ate I.D. (	if applicable):		
Analyzed fo	r: TPH-G	BTEX		Other:		<u> </u>	······································	
D.O. (if req'	d): Pr	e-purge:		<sup>mg</sup> /L	Pe	ost-purge:	<sup>ing</sup> /L	
O.R.P. (if re	q'd): Pr	e-purge:		mV	P	ost-purge:	mV	

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

BTS #: 🥐	6092	8-0	e-1	Site: 4	1212	N 1st.	SL	- Pleasanton		
Sampler: L	se			Date:	912	\$ 106				
Well I.D.:	m.	-4			Diameter		$\overline{4}$	6 8		
Total Well I			6.82	Depth	Depth to Water (DTW): 31.57					
Depth to Fre	ee Produc	t:			Thickness of Free Product (feet):					
Referenced	to:	PVO	Grade	D.O. Meter (if reg'd): YSI HACH						
DTW with 8	0% Rech	arge [(F	leight of Water	Colum	n x 0.20	) + DTW]:	2	4,62		
9.9 (G	Bailer Disposable B Positive Air I Electric Subn		ent Extrac Other	_Gals.	Well Diamets 1" 2"	r Muhipher 0.04 0.16	Other: 4" 6"	Disposable Bailer Extraction Port Dedicated Tubing Diameter Multiplier 0.65 1.47		
1 Case Volume	Case Volume Specified Volumes Calculated Volume 3" 0.37 Other radius <sup>2</sup> * 0.163									
Time	Temp (°F)	pН	Cond. (mS or (AS)		bidity TUs)	Gals. Remo	oved	Observations		
1435	70.5	7.3	1101	9	Z	10		clear		
1437	69.6	6.8	1260	55	201	20		cloudy.		
1439	69.7	6.7	1215	58	5	30		11		
								D7W=42.00		
Did well dew	vater?	Yes	<u>6</u>	Gallon	s actuall	y evacuated	1:	30		
Sampling Da	ite:9/2	<u> 8106</u>	Sampling Time	<u>=145</u>	<u>5</u> C	Depth to V	Vater	:37.13		
Sample I.D.:	m	1-4		Labora	tory:	STL Othe	<u>r_7</u>			
Analyzed for	: 10H-9-	-CREX	TPH-D	Other;	TOT	4				
EB I.D. (if ap	oplicable)	•	@ Time	Duplica		if applicab	le):			
Analyzed for	: TPH-G	BTEX		Other:						
D.O. (if req'd	): Pr	e-purge:		<sup>mg</sup> /L	Pe	ost-purge:	Ĭ	<sup>ing</sup> /L		
O.R.P. (if req	I'd): Pr	e-purge:		mV	Pe	ost-purge:		mV		

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

# WELL GAUGING DATA

Project # 060921-061 Date 9/21/06 Client She 1/

# Site 4226 First St. Plense ton, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)			Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes	
08256	~									1
08250 MW-1B MW-4	0825	Ч				76.94 31.58	107.98	Toc		
MW-4	0830	Ч			 	31.58	46.95	Toc		
										-
· · · ·					 					
					 		<u></u>	<del>.</del>		
		·			 					-
		· · · · · · · · · · · · · · · · · · ·			 		••••••••••••••••••••••••••••••••••••••			
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			-10- <u></u>							
					 					4 4

<sup>(2)</sup>					DATAS	IEEI			
Project #:	060	921-06	1	Client:	Shill	<u>_</u>			٦
Develope	er: (6	•		Date Deve	loped: 9	121/06		···	┓
Well I.D.		-1B		Well Diam	eter: (circle	one) 2	3 4 (	<u>.</u>	-
Total We	A	e		Depth to W		~ .			-
Before [	67.98	After 0	8.10	Before 76	<u>, 94 Afte</u>	er 92.3	S		
	ot develop			If Free Pro	duct, thickn	iess:			7
Additiona			well for	- 15 min	print	to pure			-
volume Conv (l2 x ( where l2 ≂ in /	version Fastor (VCl (d <sup>2</sup> /4) x π} /231 / fool	'):	$\frac{2^{6}}{3^{n}} = 0.$	CF 16 37 65	,			— • • • • • • • • • • • • • • • • • • •	
π = 3.1			6° ≓ 1./ 10° = 4,/	47 08					
231 - in 2			12" = 6,1						
$\frac{20}{1000}$	· } Volume	Х	·····	9		2001			]
		·····	Specifie	d Volumes	=2	gallor	15	·····	
Purging De	vice:		Bailer		· · · · · · · · · · · · · · · · · · ·	Electric Subr			
			Suction Pum	р	<u>کر</u>	Positive Air	Displacer	nent	
		Type of Insta Other equipn		14 C 1		4			
<b></b>	r		Cond.	Y" Swab		<u>.</u>			-
TIMB	TEMP (F)	pH	(mS or $\mathfrak{gS}$ )	TURBIDITY (NTUs)	VOLUME REMOVED:		DTATION	q.	
0955	76.5	9.2	1198	>1000	20.1	al	7.00	)Tw 78.8	2
1018	70.6	1].1	574	209	40.2	Switched to a	2.5 portup		
1026	71.1	8.8	1156	>/000	60.3	HARD	Botton	DTW 89.	50
10 34	70.6	7.7	1076	71000	80.4			DTW 92	
1042	71.7	7.6	1059	632	100.5	Cleur	27	DTw 92	
1050	70.9	7.4	1045	552	120.5			1-TW 9:	d. 45
1058	71.3	•7.4	1034	1/14	140.6	· · · · · · · · · · · · · · · · · · ·	. <u> </u>	DTU 9	9.4
1106	71.5	7.3	(039	334	160.7			Ptu 92	-1
1114	71.2	7.2	1532	311	180.8				1.1
1122	71.3	7.2-	1023	269	200,9				1
113000	$\rightarrow$	$\backslash \backslash$	1	N N			λ ,	`\	1
++-36 (	$\gg$						$\overline{}$	$\overline{1}$	1
4-450							77		1
Did Well Dew	ater? NO	If yes, note abov	/e.	Gallons Actually	y Evacuated:	20	01	\/	1

# WELL DEVELOPMENT DATA SHEET

# WELL DEVELOPMENT DATA SHEET

Project #:	06.00	121 - 14	J.I.	Client: SL	all	· · · · · · · · · · · · · · · · · · ·	,		]
Develope	r: do		,	Date Devel		2106			1
Well I.D.	MU		•	Well Diam	eter: (circle	one) 2 3		· · · · · · · · · · · · · · · · · · ·	
Total We			1	Depth to W	Vater:	<b>1</b>			-
Before 4	V.15	After	0.62	Before 3	58 Afte	r 45,2	$\mathcal{O}_{\mathcal{A}}$		
Reason no				If Free Pro	duct, thickn	ess:			1
	l Notation			for 15	nu pro	r to purg	č.		1
{12 x (	version Factor (VCI d <sup>2</sup> /4) x n} /231	<b>7):</b>	Well dia.         VC           2"         =         0.1	<b>i</b> 6		····	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • •	2
where 12 = in /		, , , , , , , , , , , , , , , , , , ,	' 3" = 0.3 4" # 0.6	55			:		
n = 3.1		• .	$6^{\circ}$ = 1.4 $10^{\circ}$ = 4.0	38					
231 = in ;	(/ga)		12" = 6.8			•	ĩ 	<u></u>	1
	Volume	X		0 d Volumes	_ `	100.0			
		<u></u>				; gallon	· · · · · · · · · · · · · · · · · · ·		ļ
Purging De	vice:		Bailer Suction Pum	p		Electric Subm Positive Air E			
		Type of Insta	lled Pump	5			·.	1.	
,		<sup>6</sup> Other equipm		4" SWA	6		•	55	/ ; .
TIME		с / <u>)</u>	Cond.	TURBIDITY	VOLUME		1		
	TEMP (F)	and the second	(mS or as)	(NTUs)	REMOVED;		TATIONS:		
340	75.2	7.Q	1210		10 20	HAND both	*		
12 11 11	73.5	6	130	7100		Deginw/8	ES fump	DTw	32
1344	14-	a Y.	373	>1000	130	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		35,1
1346	· ; • [ · · S	6.8	1280	>1000	40		· .	biw	40,3
1348	41.2	. 617	1251	21000	50		· · ·	DTW	42.1
1350	71.5	6.8	1264	71000	60		;		ł
1352	71.9	40	1289	\$1000	70		š.,	DTU	44.9
1354 *	72.0	6.9	1274	51000	80				450
1356	72,2	6.9	1264	5 1006.	90		<u> </u>	<u>_</u>	4
1368	72.3	2.0	1285	>1:000	160	· · ·			
2 8 - 1			<u> </u>	······································	ul	<u>.</u>		î,	
•	12. 	·····		· · · · · · · · · · · · · · · · · · ·			·······	- <u>-</u>	
Did Well Dew	vater? NO	If yes, note abov	ve,	Gallons Actual	y Evacuated:	100			
		<i></i>	· · · ·	<u> </u>	<u>بر محمد محمد محمد محمد محمد محمد محمد محم</u>		• <u>••</u> •••••••••••••••••••••••••••••••••		<b>i</b> .

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# WELL GAUGING DATA

Project # 060821-PCZ Date 9/21/06 Client Shell

Site 4226 1st St., Plegsanton

Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	of Immiscible	lmmiscibles Removed		Depth to well bottom (ft.)	Survey Point: TOB or	Notes
1130	2			·····		33.07	.57.21	TOC	
1136	મ્					33.29			· · · · · · · · · · · · · · · · · · ·
1122	મ્					31.95	34.60	Ţ	
-1	۲				Фф.,				
					-				· -
-									
					1				
			·····						
									·····
						·-			
			· · · · ·						
	(1130   36 1172	Size (in.)       1130     2       1130     4       1132     4       1132     4       1172     4       1172     4       1172     4       1172     4       1172     4	Size (in.)         Sheen / Odor           (130         2           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //36         4           //37         4           //37         4           //37         4           //37         4           //37         4           //37         4           //37         4           //37         4           //37         4           //37         4           //37         4           //37         4           //37         4           //37         4 <td>Size (in.)     Sheen / Odor     Immiscible Liquid (ft.)       (130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       140     -     -       140     -     -       140&lt;</td> <td>Well Size     Depth to Immiscible     of Immiscible       Time     (in.)     Odor     Liquid (ft.)       (130     2    </td> <td>Well Size     Depth to Immiscible     of Immiscible     Immiscibles Removed (ml)       (in.)     Odor     Liquid (ft.)     Liquid (ft.)       (130     Z    </td> <td>Well Size (in.)       Sheen / Odor       Depth to Immiscible Liquid (ft.)       of Immiscible Removed (ml)       Depth to water (ft.)         (130       2       -       -       -       33.07         (130       2       -       -       -       33.07         (130       2       -       -       -       33.07         (130       2       -       -       -       33.07         (130       2       -       -       -       33.07         (130       2       -       -       -       33.07         (130       2       -       -       -       -       33.07         (172       4       -       -       -       -       31.15         (172       4       -       -       -       -       -         (172       4       -       -       -       -       -         (172       4       -       -       -       -       -       -       -         (172       4       -       -       -       -       -       -       -         (172       -       -       -       -       -       -       <td< td=""><td>Well Size (in.)     Sheen / Odor     Depth to Immiscible Liquid (ft.)     of Immiscible Removed (ml)     Depth to water (ft.)     Depth to water bottom (ft.)       (130     2     -     -     33.07     .57.21         36     4     -     -     35.07     .57.21         36     4     -     -     31.05     34.60       1172     4     -     -     31.15     34.60       1172     4     -     -     -     -       1172     4     -     -     -     -       1172     4     -     -     -     -       1172     4     -     -     -     -     -       1172     4     -     -     -     -     -       1172     4     -     -     -     -     -       1172     4     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -</td><td>Well Size (in.)     Sheen / Odor     Depth to Immiscible Liquid (ft.)     of Immiscible Removed (ml)     Depth to water (ft.)     Depth to well bottom (ft.)     Point: TOB or bottom (ft.)       (130     2    </td></td<></td>	Size (in.)     Sheen / Odor     Immiscible Liquid (ft.)       (130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     2     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       130     -     -       140     -     -       140     -     -       140<	Well Size     Depth to Immiscible     of Immiscible       Time     (in.)     Odor     Liquid (ft.)       (130     2	Well Size     Depth to Immiscible     of Immiscible     Immiscibles Removed (ml)       (in.)     Odor     Liquid (ft.)     Liquid (ft.)       (130     Z	Well Size (in.)       Sheen / Odor       Depth to Immiscible Liquid (ft.)       of Immiscible Removed (ml)       Depth to water (ft.)         (130       2       -       -       -       33.07         (130       2       -       -       -       33.07         (130       2       -       -       -       33.07         (130       2       -       -       -       33.07         (130       2       -       -       -       33.07         (130       2       -       -       -       33.07         (130       2       -       -       -       -       33.07         (172       4       -       -       -       -       31.15         (172       4       -       -       -       -       -         (172       4       -       -       -       -       -         (172       4       -       -       -       -       -       -       -         (172       4       -       -       -       -       -       -       -         (172       -       -       -       -       -       - <td< td=""><td>Well Size (in.)     Sheen / Odor     Depth to Immiscible Liquid (ft.)     of Immiscible Removed (ml)     Depth to water (ft.)     Depth to water bottom (ft.)       (130     2     -     -     33.07     .57.21         36     4     -     -     35.07     .57.21         36     4     -     -     31.05     34.60       1172     4     -     -     31.15     34.60       1172     4     -     -     -     -       1172     4     -     -     -     -       1172     4     -     -     -     -       1172     4     -     -     -     -     -       1172     4     -     -     -     -     -       1172     4     -     -     -     -     -       1172     4     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -</td><td>Well Size (in.)     Sheen / Odor     Depth to Immiscible Liquid (ft.)     of Immiscible Removed (ml)     Depth to water (ft.)     Depth to well bottom (ft.)     Point: TOB or bottom (ft.)       (130     2    </td></td<>	Well Size (in.)     Sheen / Odor     Depth to Immiscible Liquid (ft.)     of Immiscible Removed (ml)     Depth to water (ft.)     Depth to water bottom (ft.)       (130     2     -     -     33.07     .57.21         36     4     -     -     35.07     .57.21         36     4     -     -     31.05     34.60       1172     4     -     -     31.15     34.60       1172     4     -     -     -     -       1172     4     -     -     -     -       1172     4     -     -     -     -       1172     4     -     -     -     -     -       1172     4     -     -     -     -     -       1172     4     -     -     -     -     -       1172     4     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -     -     -     -     -     -       1172     -	Well Size (in.)     Sheen / Odor     Depth to Immiscible Liquid (ft.)     of Immiscible Removed (ml)     Depth to water (ft.)     Depth to well bottom (ft.)     Point: TOB or bottom (ft.)       (130     2

BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE

www.blainetech.com

BTS #: 0	60821-9CL	<b>-</b>		Site: 9,599 5	840				
Sampler:				Date: 8 (21/01					
Well I.D.:	mwt			Well Diamete	r: 🕑 3 4	6 8			
Total Well	Depth (TE	)):57.z	-1	Depth to Wate	er (DTW): <b>33.0</b>	7			
Depth to F	ree Product	t:		Thickness of Free Product (feet):					
Referenced	l to:	Ø	Grade	D.O. Meter (if	req'd):	YSI HACH			
DTW with	80% Rech	arge [(ŀ	leight of Water	Column x 0.20	) + DTW]: 3:	7-10			
Purge Method:	Bailer Disposable B ≻Positive Air I Electric Subn	Displacem	ent Extrac Other	Waterra Peristaltic otion Pump		Disposable Bailer Extraction Port Dedicated Tubing			
3.9       1 Case Volume	(Gals.) X Speci	<b>3</b> fied Volur	nes Calculated Vo	Gals,	0.04 4" 0.16 6" 0.37 Othe	0.65 1.47 r radius <sup>2</sup> * 0.163			
Time	Temp (°F)	pH	Cond. (mS or µ <b>5)</b>	Turbidity (NTUs)	Gals. Removed	Observations			
1212	69.1	7.5	1569	9(	4	cloud			
1218	68.4	7.3	1633	66	8	1			
1226	69.2	8.5	1426	26	11.7	L			
Did well de			ND	Gallons actual	y evacuated;	11.7			
Sampling D	Date: Birilo	0	Sampling Time	1250	Depth to Wate	1: 41.72 2 hr			
Sample I,D	:mut		······································	Laboratory:	STL Other				
Analyzed fo	or: CPH-G	BTEX	MTBE TPH-D	Other:					
EB I.D. (if	applicable)	;	@ Time	Duplicate I.D.	(if applicable):				
Analyzed fo	or: TPH-G	BTEX	MTBE TPH-D	Other:					
D.O. (if req	'd): Pr	e-purge:		<sup>mg</sup> /L P	'ost-purge:	<sup>mg</sup> /L			
O.R.P. (if re	eq'd): Pr	e-purge:		mV P	'ost-purge:	mV			

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

BTS #: <i>7</i> 6	0821.PCZ			Site: 9899 59	340					
Sampler:				Date: 8/21/00						
Well I.D.:	wa			Well Diameter	Well Diameter: 2 3 💋 6 8					
Total Well	Depth (TD	): 45.8	5	Depth to Water (DTW): ' \$3.29						
Depth to Fr	ee Product			Thickness of F	ree Product (fee	et):				
Referenced	to:	(PV)	Grade	D.O. Meter (if	req'd):	YSI HACH				
DTW with	80% Rech	arge [(H	leight of Water	Column x 0.20	) + DTW]: <b>35</b>	. <del>S</del> O				
Purge Method:	Bailer Disposable B Positive Air I CElectric Subn	Displaceme	ent Extrac Other	Waterra Peristaltic ction Pump Well Diamete	Sampling Method: Other:	Disposable Bailer Extraction Port Dedicated Tubing				
E.Z (1 1 Case Volume	Gals.) X Speci	<b>3</b> fied Volum		Gals. 1"	0.04 4" 0.16 6" 0.37 Other	0.65 1.47				
Time	Temp (°F)	pH	Cond. (mS or y <b>B</b>	Turbidity (NTUs)	Gals. Removed	Observations				
1158	69.3	7.5	1190	45	8.2	clear				
12.00	69.7	7.6	13/06	39	16.5	L				
		well o	enatered							
1408	73.0	8.0	1445	42	-					
Did well de	water?	N P	No	Gallons actuall	y evacuated: 1					
Sampling D	ate: 8/21/6	6	Sampling Tim	<sup>e:</sup> (५०४	Depth to Water	1:41.19 2 hr.				
Sample I.D.				Laboratory:	STL Other	TA-				
Analyzed fo	or: (TPH-G	BTEX	MTBD TPH-D	Other:						
EB I.D. (if a	applicable)	:	@ Time	Duplicate I.D.	(if applicable):					
Analyzed fo	or: TPH-G	BTEX	MTBE TPH-D	Other:						
D.O. (if req'	d): Pr	e-purge:		<sup>(i)g</sup> / <sub>L</sub> P	ost-purge:	<sup>mg</sup> /L				
O.R.P. (if re	eq'd): Pr	e-purge:		mV P	ost-purge:	mV				

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

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		and the second								
BTS #: 00	00821-PC2			Site: 9	89958	740		· · · · · · · · · · · · · · · · · · ·		
Sampler:					slalog					
Well I.D.:	MW-3			Well D	ameter	2 3	Ð	68		
Total Well	Depth (TD	<sup>1):</sup> 34.61	ס	Depth t	Depth to Water (DTW): 31.95					
Depth to F	ree Product			Thickness of Free Product (feet):						
Referenced	to:	Ð	Grade	D.O. M	eter (if	req'd):	YS	SI HACH		
DTW with	80% Rech	arge [(H	leight of Water	Column	x 0.20)	) + DTW]	:37.48	5		
Purge Method:	Bailer Disposable B Positive Air I A Electric Subn	Displaceme	ent Extrac Other		Vell Diamete	•	Öther:			
1 Case Volume	(Gals.) X Speci	3 fied Volun	$= \frac{5 - 1}{Calculated V}$	Gals.	1" 2" 3"	0.04 0.16 0.37	4" 6" Other	0.65 1.47 radius <sup>2</sup> * 0,163		
Time	Temp (°F)	pН	Cond. (mS or us)	Turb (NT	-	Gals. Rer	noved	Observations		
1142	68.7	7.2	811	28		1.7				
		well.	dewatere							
1750	71.5	7.8	859	16				······································		
Did well d	ewater?	Ces	No	Gallons	actuall	y evacuat	ed: 23			
Sampling I	Date: 8/21	oc.	Sampling Tim	ie: 135	2	Depth to	Water:	32.90 2km		
Sample I.I				Laborat	ory:	STL O	he TA			
Analyzed f	for: PH-G	BTEX	MTBE TPH-D	Other:						
EB I.D. (if	applicable	):	@ Time	Duplica	te I.D.	(if applic:	able):			
Analyzed f	for: TPH-G	BTEX	MTBE TPH-D	Other:						
D.O. (if red	q'd): Pi	re-purge:		<sup>mg</sup> /L	P	ost-purge:				
O.R.P. (if 1	req'd): P	re-purge:		mV	P	'ost-purge:		m		

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

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# Attachment G

# CERTIFIED ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTS – SOIL



13 September, 2006

Lee Dooley Delta Environmental Consultants - San Jose 175 Bernal Rd, Suite 200 San Jose, CA 95119

RE: Shell 4226 1st Street, Pleasanton Work Order: S608586

Enclosed are the results of analyses for samples received by the laboratory on 08/29/06 09:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sylvia Krenn Project Manager

CA ELAP Certificate # 2630

Page 1 of 9



Delta Environmental Consultants - San Jose 175 Bernal Rd, Suite 200 San Jose CA, 95119	Project: Shell 4226 1st Street, F Project Number: 98995840 SAP# 1357 Project Manager: Lee Dooley	
	NALYTICAL REPORT FOR SAMPLES	

#### Date Received Date Sampled Laboratory ID Matrix Sample ID MW-4@35' S608586-01 Soil 08/24/06 11:45 08/29/06 09:15 S608586-02 08/24/06 11:55 08/29/06 09:15 MW-4@36.5' Soil S608586-03 08/24/06 12:45 08/29/06 09:15 MW-4@39.5' Soil S608586-04 Soil 08/24/06 13:00 08/29/06 09:15 MW-4@44.5' 08/29/06 09:15 MW-4@50' S608586-05 Soil 08/24/06 13:05 S608586-06 Soil 08/23/06 09:15 08/29/06 09:15 MW-1B@65' 08/29/06 09:15 S608586-07 Soil 08/23/06 09:50 MW-1B@69.5' 08/29/06 09:15 08/23/06 11:50 S608586-08 Soil MW-1B@95'

TestAmerica - Sacramento, CA



Delta Environmental Consultants - San Jose 175 Bernal Rd, Suite 200 San Jose CA, 95119	Project: Shell 4226 1st Street, P Project Number: 98995840 SAP# 13578 Project Manager: Lee Dooley	
Gasol	ne\BTEX\Oxygenates by GCMS\{	8260B

	1 651	Americ	a - Sac	rament	0, CA				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-4@35' (8608586-01) Soil Sample	ed: 08/24/06 11:45	Received	: 08/29/0	6 09:15					
Tert-butyl alcohol	ND	250	ug/kg	50	6090118	09/07/06 00:00	09/07/06	GCMS \ 8260B	
Methyl tert-butyl ether	170	25	u	n	н	н	и	D.	
Benzene	ND	25	0	11	н	u	U	0	
Ethylbenzene	ND	25		9	n	u	0	D	
Toluene	ND	25	0	11	н	u	9	0	
Xylenes (total)	ND	50	11	11	н	u	9	D	
Gasoline Range Organics (C4-C12)	51000	2500	11	IJ	н	н	"	0	
Surrogate: 1,2-DCA-d4		104 %	60-	140	"	п	n	n	
Surrogate: Toluene-d8		98 %	60-	140	u	н	н	11	
Surrogate: 4-BFB		113 %	60-	140	п	n	н	u	
MW-4@36.5' (S608586-02) Soil Samp	pled: 08/24/06 11:5	5 Receive	ed: 08/29/	06 09:15					
Tert-butyl alcohol	ND	250	ug/kg	50	6090118	09/07/06 00:00	09/07/06	GCMS \ 8260B	
Methyl tert-butyl ether	92	25	н	11	II.	n	11	U	
Benzene	ND	25	и	I	IT	н	н	0	
Ethylbenzene	1200	25	н	11	D.	1F	6	u	
Toluene	ND	25	н	н	0	н	И	U U	
Xylenes (total)	1600	50	N	11	D	"	P	u	
Surrogate: 1,2-DCA-d4		110 %	60-	140	11	"	п	п	
Surrogate: Toluene-d8		99 %	60-	140	n	u	11	"	
Surrogate: 4-BFB		149 %	60-	140	н	n	n	"	<i>S01</i>
MW-4@36.5' (S608586-02RE1) Soil	Sampled: 08/24/06	11:55 Re	ceived: 0	8/29/06 09	:15				
Gasoline Range Organics (C4-C12)	380000	5000	ug/kg	100	6090118	09/07/06 00:00	09/09/06	GCMS \ 8260B	HT-RE
		115%	60-	140	"	"	н	"	HT-RL
Surrogate: 1,2-DCA-d4		11070		1 10					
Surrogate: 1,2-DCA-d4 Surrogate: Toluene-d8		93 %		140	п	н	11	"	HT-RL

# Test Analytical testing corporation

Toluene

Xylenes (total)

Gasoline Range Organics (C4-C12)

819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100 www.testamericainc.com

Delta Environmental Consultants 175 Bernal Rd, Suite 200 San Jose CA, 95119	Р	roject Nu	mber: 98	hell 4226 1s 8995840 SA ee Dooley	,			S6085 Report 09/13/06	ed:
	Gasoline\BT					260B			
	TestA	meric	a - Sa	crament	0, CA				
Analyte	F Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4@39.5' (S608586-03) Soil	Sampled: 08/24/06 12:45	Receiv	ed: 08/2	9/06 09:15					
Tert-butyl alcohol	ND	250	ug/kg	50	6090118	09/07/06 00:00	09/07/06	GCMS \ 8260B	
Methyl tert-butyl ether	38	25	u	u	ч	u	U.	U	
Benzene	ND	25	0	н	11	ч	И	U	
Ethylbenzene	50	25	11	11	11	н	U	u	

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25

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2500

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Surrogate: 1,2-DCA-d4		98 %	60-14	0	"	"	"	"	
Surrogate: Toluene-d8		105 %	60-14	0	n	"	"	"	
Surrogate: 4-BFB		105 %	60-14	0	"	"	"	11	
MW-4@44.5' (8608586-04) Soil Sa	mpled: 08/24/06 13:00	Receive	ed: 08/29/06	09:15					
Tert-butyl alcohol	ND	250	ug/kg	50	6090118	09/07/06 00:00	09/07/06	GCMS \ 8260B	
Methyl tert-butyl ether	590	25	0	D	0	u	н	"	
Benzene	ND	· 25	н	11	0		11	н	
Ethylbenzenc	ND	25	0	11	0		n	D.	
Toluene	ND	25	u	н	0	U	þi	17	
Xylenes (total)	ND	50	9	н	0	u	н	II.	
Gasoline Range Organics (C4-C12)	ND	2500	11	N	11	U	μ	0	
Surrogate: 1,2-DCA-d4		92 %	60-14	0	"	"	"	11	
Surrogate: Toluene-d8		102 %	60-14	0	"	"	n	11	
Surrogate: 4-BFB		106 %	60-14	0	"	"	11	"	
MW-4@50' (S608586-05) Soil San	npled: 08/24/06 13:05	Received	: 08/29/06 0	9:15					
Tert-butyl alcohol	ND	250	ug/kg	50	6090118	09/07/06 00:00	09/07/06	GCMS \ 8260B	
Methyl tert-butyl ether	560	25	11	и	H	0	11	и	
Benzene	ND	25	11	0	n	μ	U	и	
Ethylbenzene	ND	25	0	U	11	u	0	и	

#### Toluene ND 25 ... 0 Ð u н 50 ND Xylenes (total) 9 n н u .... 2500 ND Gasoline Range Organics (C4-C12) 11 n " n 95 % 60-140 Surrogate: 1,2-DCA-d4 11 п n a 103 % 60-140 Surrogate: Toluene-d8 " n " 60-140 104 % Surrogate: 4-BFB

TestAmerica - Sacramento, CA

# TestAmerica ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100 www.testamericainc.com

Delta Environmental Consultants - San Jose	Project: Shell 4226 1st Street, Pleasanton	S608586
175 Bernal Rd, Suite 200	Project Number: 98995840 SAP# 135782	Reported:
San Jose CA, 95119	Project Manager: Lee Dooley	09/13/06 16:39
Casali	no) DTEV (Ourgenates by CCMS) 9760D	

#### Gasoline\BTEX\Oxygenates by GCMS\8260B

	TestA	Americ	a - Sac	rament	o, CA				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
	Sampled: 08/23/06 09:15	Receive	ed: 08/29/	/06 09:15					
Tert-butyl alcohol	ND	250	ug/kg	50	6090102	09/06/06	09/07/06	GCMS \ 8260B	
Methyl tert-butyl ether	ND	25	n	a	U	00:00	И	D	
Benzene	ND	25	0	11	U		и	D.	
Ethylbenzene	ND	25	D.	11	U U	n.	I	D	
Toluene	ND	25	0	11	0		и	U	
Xylenes (total)	ND	50	0	a	u	0	n	н	
Gasoline Range Organics (C4-C12		2500	0	n	0	U	u.	U	
Surrogate: 1,2-DCA-d4	,	89 %	60-	140	"	11	n	"	
Surrogate: Toluene-d8		103 %	60-	140	"	"	"	"	
Surrogate: 4-BFB		110%		140	"	п	"	"	
MW-1B@69.5' (S608586-07) Soi	1 Sampled: 08/23/06 09:5				5				
Tert-butyl alcohol	ND	250	ug/kg	50	6090102	09/06/06 00:00	09/07/06	GCMS \ 8260B	
Methyl tert-butyl ether	ND	25	н	11	и		0	н	
Benzene	ND	25	μ		н	н	11	и	
Ethylbenzene	ND	25	н	в	м	н	9	n	
Toluene	ND	25		U	н	н	11	n	
Xylenes (total)	ND	50	н	п	И	u	τί	D	
Gasoline Range Organics (C4-C12		2500	и	U	H	н	Ħ	0	
Surrogate: 1,2-DCA-d4		93 %	60-	140	"	u	"	"	
Surrogate: Toluene-d8		98 %	60-	140	"	"	"	и	
Surrogate: 4-BFB		104 %		140	"	"	#	н	
MW-1B@95' (\$608586-08) Soil	Sampled: 08/23/06 11:50		ed: 08/29	/06 09:15					
Tert-butyl alcohol	ND	250	ug/kg	50	6090102	09/06/06 00:00	09/07/06	GCMS \ 8260B	
Methyl tert-butyl ether	ND	25	u –	п	U	U	H.	(i	
Benzene	ND	25	U	и	u	0	P	9	
Ethylbenzene	ND	25	0		9	U	n	n	
Toluene	ND	25	u	μ	ч	U	U	t	
Xylenes (total)	ND	50	4	И	11	U	ų.	м	
Gasoline Range Organics (C4-C12	2) ND	2500	9	И	11	0	U	M	
Surrogate: 1,2-DCA-d4		92 %	60-	140	"	u	"	u	
Surrogate: Toluene-d8		100 %	60-	140	"	"	"	<i>n</i>	
Surrogate: 4-BFB		104 %		140	"	a	"	"	
Durroguie. T-Dr.D		10770							



ſ	Delta Environmental Consultants - San Jose	Project: Shell 4226 1st Street, Pleasanton	S608586
	175 Bernal Rd, Suite 200	Project Number: 98995840 SAP# 135782	Reported:
	San Jose CA, 95119	Project Manager: Lee Dooley	09/13/06 16:39

# Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

### TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limít	Notes
Batch 6090102 - EPA 5030B [MeOH] / (	GCMS\8	260B								
Blank (6090102-BLK1)				Prepared:	09/06/06	Analyzed	: 09/07/06			
Tert-butyl alcohol	ND	250	ug/kg							
Methyl tert-butyl ether	ND	25	н							
Di-isopropyl ether	ND	100	0							
Ethyl tert-butyl ether	ND	100	U							
Tert-amyl methyl ether	ND	100	0							
1,2-Dichloroethane	ND	25	n							
1,2-Dibromoethane (EDB)	ND	25	н							
Benzene	ND	25	11							
Ethylbenzene	ND	25	n							
Toluene	ND	25	n							
Xylenes (total)	ND	50	н							
Gasoline Range Organics (C4-C12)	ND	2500	н							
Surrogate: 1,2-DCA-d4	9.14		"	10.0	-	91	60-140			
Surrogate: Toluene-d8	9.93		"	10.0		99	60-140			
Surrogate: 4-BFB	10.5		"	10,0		105	60-140			
Laboratory Control Sample (6090102-BS1)				Prepared:	09/06/06	Analyzed	l: 09/07/06			
Methyl tert-butyl ether	35.3	0,50	ug/kg	52,0		68	60-140			
Toluene	161	0.50	u	188		86	70-130			
Gasoline Range Organics (C4-C12)	2510	50	11	2200		114	70-130			
Surrogate: 1,2-DCA-d4	9.42		"	10,0		94	60-140			
Surrogate: Toluene-d8	10.6		11	10.0		106	60-140			
Surrogate: 4-BFB	10.7		"	10.0		107	60-140			
Laboratory Control Sample (6090102-BS2)				Prepared:	09/06/06	Analyzed	l: 09/07/06			
Methyl tert-butyl ether	20.4	0.50	ug/kg	20,0		102	60-140			
Benzene	22.8	0,50	U	20.0		114	70-130			
Toluene	21.6	0.50	0	20.0		108	70-130			
Surrogate: 1,2-DCA-d4	9.60		н	10.0		96	60-140			
Surrogate: Toluene-d8	10.7		"	10.0		107	60-140			
Surrogate: 4-BFB	10.8		"	10.0		108	60-140			



Delta Environmental Consultants - San Jose	•	Shell 4226 1st Street, Pleasanton	S608586
175 Bernal Rd, Suite 200		98995840 SAP# 135782	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	09/13/06 16:39

### Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

#### TestAmerica - Sacramento, CA

		Reporting		Spike	Source	4/050	%REC	DBD	RPD Limit	Nata
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6090102 - EPA 5030B [MeO	H]/GCMS\8	260B								
Laboratory Control Sample Dup (609)	0102-BSD1)			Prepared:	09/06/06	Analyzed	l: 09/07/06			
Methyl tert-butyl ether	35.8	0.50	ug/kg	52.0		69	60-140	1	25	
Toluene	158	0,50	v	188		84	70-130	2	25	
Gasoline Range Organics (C4-C12)	2510	50	Û	2200		114	70-130	0	25	
Surrogate: 1,2-DCA-d4	9.50		"	10.0		95	60-140			
Surrogate: Toluene-d8	10.2		"	10.0		102	60-140			
Surrogate: 4-BFB	10.8		"	10.0		108	60-140			
Laboratory Control Sample Dup (609	0102-BSD2)			Prepared:	09/06/06	Analyzed	1: 09/07/06			
Methyl tert-butyl ether	20,0	0.50	ug/kg	20.0		100	60-140	2	25	
Benzene	22.1	0.50	н	20.0		110	70-130	3	25	
Toluene	21.8	0.50	и	20.0		109	70-130	0.9	25	
Surrogate: 1,2-DCA-d4	9.50		n	10.0		95	60-140			
Surrogate: Toluene-d8	10.8		"	10.0		108	60-140			
Surrogate: 4-BFB	10.6		"	10.0		106	60-140			

#### Batch 6090118 - EPA 5030B [MeOH] / GCMS \ 8260B

Blank (6090118-BLK1)				Prepared & Ana	alyzed: 09/07/	06	 
Ethanol	ND	2500	ug/kg				
Tert-butyl alcohol	ND	250	11				
Methyl tert-butyl ether	ND	25	11				
Di-isopropyl ether	ND	100	н				
Ethyl tert-butyl ether	ND	100	н				
Tert-amyl methyl ether	ND	100	н				
1,2-Dichloroethanc	ND	25	Ð				
1,2-Dibromoethane (EDB)	ND	25	0				
Benzene	ND	25	в				
Ethylbenzene	ND	25	It				
Toluene	ND	25	11				
Xylenes (total)	ND	50	U.				
Gasoline Range Organics (C4-C12)	ND	2500					 0
Surrogate: 1,2-DCA-d4	9.86		"	10.0	99	60-140	
Surrogate: Toluene-d8	9.89		"	10.0	<i>99</i>	60-140	
Surrogate: 4-BFB	10.2		"	10.0	102	60-140	



Delta Environmental Consultants - San Jose	Project: Shell 4226 1st Street, Pleasanton	S608586
175 Bernal Rd, Suite 200	Project Number: 98995840 SAP# 135782	Reported:
San Jose CA, 95119	Project Manager: Lee Dooley	09/13/06 16:39

### Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

#### TestAmerica - Sacramento, CA

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6090118 - EPA 5030B [MeO	H] / GCMS \ 8	260B								
Laboratory Control Sample (6090118-	BS1)			Prepared	& Analyze	ed: 09/07/	06			
Methyl tert-butyl ether	21.9	0.50	ug/kg	20.0		110	60-140			
Benzene	22.0	0.50	0	20.0		110	70-130			
Toluene	20.5	0,50	U.	20.0		102	70-130			
Surrogate: 1,2-DCA-d4	10.3		"	10.0		103	60-140			
Surrogate: Toluene-d8	9.43		"	10.0		94	60-140			
Surrogate: 4-BFB	9.74		"	10.0		97	60-140			
Laboratory Control Sample (6090118-	BS2)			Prepared	& Analyze	ed: 09/07/	06			
Methyl tert-butyl ether	36.6	0,50	ug/kg	52.0		70	60-140			
Toluene	147	0.50	11	188		78	70-130			
Gasoline Range Organics (C4-C12)	2390	50	11	2200		109	70-130			
Surrogate: 1,2-DCA-d4	9.92		"	10.0		99	60-140			
Surrogate: Toluene-d8	9.83		u	10.0		98	60-140			
Surrogate: 4-BFB	9.96		"	10.0		100	60-140			
Laboratory Control Sample Dup (6090	118-BSD1)			Prepared	& Analyze	ed: 09/07/	06			
Methyl tert-butyl ether	19.2	0.50	ug/kg	20.0		96	60-140	13	25	
Benzene	21,5	0.50	н	20.0		108	70-130	2	25	
Toluene	19.7	0,50	н	20.0		98	70-130	4	25	
Surrogate: 1,2-DCA-d4	9,83		"	10.0		98	60-140			
Surrogate: Toluene-d8	10.0		н	10.0		100	60-140			
Surrogate: 4-BFB	9.67		"	10.0		97	60-140			
Laboratory Control Sample Dup (6090	118-BSD2)			Prepared:	09/07/06	Analyzed	l: 09/08/06			
Methyl tert-butyl ether	35.0	0.50	ug/kg	52.0		67	60-140	4	25	
Benzene	27.9	0,50	0	38.8		72	70-130		25	
Toluene	151	0.50	U	188		80	70-130	3	25	
Gasoline Range Organics (C4-C12)	2480	50	ų	2200		113	70-130	4	25	QC
Surrogate: 1,2-DCA-d4	10.6		#	10.0		106	60-140			
Surrogate: Toluene-d8	9.86		Ħ	10.0		99	60-140			
Surrogate: 4-BFB	9.56		"	10.0		96	60-140			



Delta Environmental Consultants - San Jose 175 Bernal Rd, Suite 200 San Jose CA, 95119		Project Number:	Project: Shell 4226 1st Street, Pleasanton Project Number: 98995840 SAP# 135782 Project Manager: Lee Dooley					
	· · · · · · · · · · · · ·	Notes and De	finitions					
S01	The surrogate recovery was above contro	ol limits.						
QC21	1 The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.							
HT-RD	This sample was originally analyzed with recommended hold time.	nin the EPA recommer	ided hold time. Re-analysis for dilution was p	performed past the				
DET	Analyte DETECTED							
ND	Analyte NOT DETECTED at or above the rep	orting limit or MDL, if M	IDL is specified					
NR	Not Reported							
dry	Sample results reported on a dry weight basis							
RPD	Relative Percent Difference							

LAB: Test America STL Other Lab Identification (if necessary):								SH	EL	_Ľ	Ch	nai	n (	<b>Df</b> (	Cu	ste	ody	y F	Reco	rd		4	Ć	6856
💭 TA - Irvine, California	Shell P	Project	: Manag	ger to b	e in	voic	ed:				ō						VC(D	ŇŤ	NUMBER	(ES	ONEY	6	<u>~</u>	<del>-</del>
🗹 TA - Morgan Hill, California		<b>JONNENT</b>	AL SERVIC													9	છ	<u>г</u> а	0					alaste
TA - Nashville, Tennesee					i>	20		Ć	3.~0	s.	n								۹ 5				DA	ATE: 8/25/06
□ sn.					-											SA	P or i	IRM	t numbe	RC	s/CRI	đT)	-	AGE: 1 of 1
Other (location)		HOUSTO	NÊCÊÇ							етлм	- SENI	o pape	R INV	ÓÌCE									PA	
SAMPLING COMPANY:	106-CODE:							ns Jeeu		£ .	<b>0</b> 1.		i			Stale			GLOBAL IS N					
Delta Environmental Consultants, Inc.					4'	<u></u>	° .	1.	<u> </u>	<u>ار ما</u>	P [A	a5a	_+0	~			CA		TO	60	01	01.	<b>2</b> ĉ	CONSULTANT PROJECT NO ::
175 Bernal Road, Suite 200, San Jose, CA 95119 PROJECT CONTACT (Hardcopy or PDF Repeat to):					أسلا	~~	N	(Respon	4	anyor Di	2. 2.		i	PHONE	4:	B6 1			Iman	lin	21	@d	e]4	envi amin armin
Lee Dooley								ngha ME(\$		int): /	Andre	w Pe		408-1	526-1	866-	-		hbucking	iam(a	2deita	env-ce	2m <u>−</u> VSE (	6071
TELEPHONE: (408)325-1380 (408)225-8524	E-MAR!	102	Anen	w.com																				
TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS)	:	🗆 RE	SULTS NEE	DED											RE	QUE	STE	DA	NALYSIS	;				
	HOUKS	10	WEEKEN			1								·····										
LA - RWQCB REPORT FORMAT																		Ê						
	EST per BO		ALL															TPH - Diesel, Extractable (8016m)					[	FIELD NOTES:
SPECIAL INSTRUCTIONS OR NOTES: CHEC	K BOX IF ED	DIS <u>NOT</u>	NEEDED		_	ŝ				1								le (8						Container/Preservative
					808	(8016M)		ଳି										tabl						or PiD Readings or Laboratory Notes
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Field Sample Identification	SAMPL		MATRIX	NO, OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable	BTEX (8260B)	\$ Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	E					('	TEMPERATURE ON RECEIPT C
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Mw-4@39.5',		2:45		ì					┦┤						긪	7	<u>'</u>					-+		
MW- 4 @ 44,5'	<u>   1</u>	:00p		1										~	4	1	_						_	
MW-4@ 50' .	<u>¥ í</u>	1050		1											9	2								
	2/23 9	1:15		1			Í.							-	q	Û		$\_$						
MW-18@ 69.5'.	9	1:50		1											- (	27	7	_						
MW-18 @ 95'.		1:50	$\mathbf{V}$	ł	$\mathbf{V}$		$\checkmark$		$\mathbf{A}$	Ŵ						0	2	-						
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Arcondusted by folgingraph.								9													_			11/18/05 Revision

# Test Analytical testing corporation

819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100 www.testamericainc.com

23 August, 2006

Lee Dooley Delta Environmental Consultants - San Jose 175 Bernal Rd, Suite 200 San Jose, CA 95119

RE: Shell 4212 N. 1st Street, Pleasanton Work Order: S608356

Enclosed are the results of analyses for samples received by the laboratory on 08/17/06 08:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sylvia Krenn Project Manager

CA ELAP Certificate # 2630

Page 1 of 10



175 Bernal Rd, Suite 200	Project Number: 98995840	Reported:
San Jose CA, 95119	Project Manager: Lee Dooley	08/23/06 14:36

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CPT-3@57'	S608356-01	Water	08/15/06 13:20	08/17/06 08:20

TestAmerica - Sacramento, CA



Delta Environmental Consultants - San Jose	Project:	Shell 4212 N. 1st Street, Pleasanton	S608356
175 Bernal Rd, Suite 200	Project Number:	98995840	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	08/23/06 14:36

# Gasoline\BTEX\Oxygenates by EPA method 8260B

#### TestAmerica - Sacramento, CA

Analyte	R Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CPT-3@57' (8608356-01) Water Sa	mpled: 08/15/06 13:20	Receiv	ed: 08/17	7/06 08:20					
Tert-butyl alcohol	2000	5.0	ug/l	1	6080262	08/18/06	08/18/06	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	и	ų	U	)I	u	11	
Benzene	ND	0.50	и	ч	0	н	0	D	
Ethylbenzene	0.78	0.50	IT	Ð	U	0	II	Ð	
Toluene	ND	0.50	0	11	0	н	0	D	
Xylenes (total)	2.1	1.0	II.	U U	U	0	н	0	
Gasoline Range Organics (C4-C12)	700	50	Ð	U	0	u .	и	D	
Surrogate: 1,2-DCA-d4		108 %	60-	140	н	"	n.	"	
Surrogate: Toluene-d8		105 %	60-	140	н	"	u	11	
Surrogate: 4-BFB		81 %	60-	140	n	"	"	II .	
CPT-3@57' (S608356-01RE1) Water	Sampled: 08/15/06 1	3:20 R	eceived: (	08/17/06 0	8:20				

Methyl tert-butyl ether	79	0.50	ug/l	1	6080323	08/21/06	08/21/06	EPA 8260B	
Surrogate: 1,2-DCA-d4		105 %	60-140		"	н	п	11	
Surrogate: Toluene-d8		102 %	60-140		"	'n	n	н	
Surrogate: 4-BFB		104 %	60-140		"	"	"	"	

TestAmerica - Sacramento, CA



Delta Environmental Consultants - San Jose	Project:	Shell 4212 N. 1st Street, Pleasanton	S608356
175 Bernal Rd, Suite 200	Project Number:	98995840	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	08/23/06 14:36

#### TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6080262 - EPA 5030B [P/T]	/ EPA 8260B									
Blank (6080262-BLK1)			•••	Prepared	& Analyze	d: 08/16/	06			
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0								
Methyl tert-butyl ether	ND	0,50	н							
Di-isopropyl ether	ND	2.0	n							
Ethyl tert-butyl ether	ND	2,0	н							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	It							
1,2-Dibromoethane (EDB)	ND	0.50	н							
Benzene	ND	0.50	11							
Ethylbenzene	ND	0.50	11							
Toluene	ND	0.50	11							
Xylenes (total)	ND	1.0	ч							
Gasoline Range Organics (C4-C12)	ND	50	0							
Surrogate: 1,2-DCA-d4	28.4		"	25,0		114	60-140			
Surrogate: Toluene-d8	25.4		"	25.0		102	60-140			
Surrogate: 4-BFB	20.3		"	25.0		81	60-140			
Blank (6080262-BLK2)				Prepared	& Analyze	d: 08/17/	06			
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	0							
Methyl tert-butyl ether	ND	0,50	9							
Di-isopropyl ether	ND	2.0	0							
Ethyl tert-butyl ether	ND	2,0	u.							
Tert-amyl methyl ether	ND	2.0	II.							
1,2-Dichloroethane	ND	0,50	U							
1,2-Dibromoethane (EDB)	ND	0.50	0							
Benzene	ND	0.50	н							
Ethylbenzene	ND	0.50	м							
Toluene	ND	0.50	н							
Xylenes (total)	ND	1.0	н							
Gasoline Range Organics (C4-C12)	ND	50	п							
Surrogate: 1,2-DCA-d4	28,1		"	25.0		112	60-140			
Surrogate: Toluene-d8	25.9		"	25.0		104	60-140			
Surrogate: 4-BFB	19.9		"	25.0		80	60-140			

TestAmerica - Sacramento, CA



Delta Environmental Consultants - San Jose	Project:	Shell 4212 N. 1st Street, Pleasanton	S608356
175 Bernal Rd, Suite 200	Project Number:	98995840	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	08/23/06 14:36

#### TestAmerica - Sacramento, CA

	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Kesuit	LIIIM	Units	Level	Kesun	70KEU	Lillings	KrD	EMENT	Notes
Batch 6080262 - EPA 5030B [P/T]	/ EPA 8260B									
Blank (6080262-BLK3)				Prepared	& Analyze	ed: 08/18/	)6			
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	11							
Methyl tert-butyl ether	ND	0.50	0							
Di-isopropyl ether	ND	2.0	U							
Ethyl tert-butyl ether	ND	2.0	н							
Tert-amyl methyl ether	ND	2.0	U							
1,2-Dichloroethane	ND	0,50	11							
1,2-Dibromoethane (EDB)	ND	0.50	ч							
Benzene	ND	0,50	D							
Ethylbenzene	ND	0.50	n							
Toluene	ND	0,50	н							
Xylenes (total)	ND	1.0	и							
Gasoline Range Organics (C4-C12)	ND	50	H							
Surrogate: 1,2-DCA-d4	27.6		"	25.0		110	60-140			
Surrogate: Toluene-d8	26.1		"	25.0		104	60-140			
Surrogate: 4-BFB	20.2		"	25.0		81	60-140			
Laboratory Control Sample (6080262-	BS1)			Prepared	& Analyze	ed: 08/16/0	)6			
Methyl tert-butyl ether	31.5	0.50	ug/l	52.0		61	60-140			
Toluene	202	0.50	11	188		107	70-130			
Gasoline Range Organics (C4-C12)	2490	50	11	2200		113	70-130			
Surrogate: 1,2-DCA-d4	27.4		"	25.0		110	60-140			
Surrogate: Toluene-d8	25.6		11	25.0		102	60-140			
Surrogate: 4-BFB	23.1		u	25.0		<i>92</i>	60-140			
Laboratory Control Sample (6080262-	BS2)			Prepared	& Analyze	d: 08/16/0	)6			
Methyl tert-butyl ether	17.2	0.50	ug/l	20.0		86	60-140			
Benzene	15.5	0.50		20.0		78	70-130			
Toluene	17.8	0.50	U.	20.0		89	70-130			
Surrogate: 1,2-DCA-d4	27.1		n	25.0		108	60-140			
Surrogate: Toluene-d8	26.0		"	25.0		104	60-140			
Surrogate: 4-BFB	21.6		п	25.0		86	60-140			

.



175 Bernal Rd, Suite 200Project Number: 98995840San Jose CA, 95119Project Manager: Lee Dooley	S608356
Con Loss CA 05110 Project Manager: Los Doolay	Reported:
San Jose CA, 95119 Project Manager: Lee Dooley	08/23/06 14:36

## Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

#### TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6080262 - EPA 5030B [P/T] / E	PA 8260B									
Laboratory Control Sample (6080262-BS3	3)			Prepared	& Analyze	ed: 08/17/	06			
Methyl tert-butyl ether	17.9	0,50	ug/l	20.0		90	60-140			
Benzene	15.6	0.50	0	20.0		78	70-130			
Toluene	16.8	0,50	u.	20.0		84	70-130			
Surrogate: 1,2-DCA-d4	27.5		"	25.0		110	60-140			
Surrogate: Toluene-d8	25.8		"	25.0		103	60-140			
Surrogate: 4-BFB	21.0		"	25.0		84	60-140			
Laboratory Control Sample (6080262-BS4	4)			Prepared	& Analyza	ed: 08/18/	06			
Gasoline Range Organics (C4-C12)	2330	50	ug/l	2200		106	70-130			
Surrogate: 1,2-DCA-d4	26.9		"	25.0		108	60-140			
Surrogate: Toluene-d8	27.1		"	25.0		108	60-140			
Surrogate: 4-BFB	23.4		"	25.0		94	60-140			
Laboratory Control Sample (6080262-BS5	5)			Prepared	& Analyz	ed: 08/18/	06			
Methyl tert-butyl ether	16,9	0.50	ug/l	20.0		84	60-140			
Benzene	18.7	0.50	H.	20.0		94	70-130			
Toluene	21.4	0,50	н	20.0		107	70-130			
Surrogate: 1,2-DCA-d4	25.9		"	25.0		104	60-140			
Surrogate: Toluene-d8	25.6		"	25.0		102	60-140			
Surrogate: 4-BFB	22.4		u	25.0		90	60-140			
Laboratory Control Sample (6080262-BS	5)			Prepared	& Analyze	ed: 08/17/	06			
Methyl tert-butyl ether	33,1	0.50	ug/l	52.0		64	60-140			
Toluene	220	0.50	н	188		117	70-130			
Gasoline Range Organics (C4-C12)	2570	50	n	2200		117	70-130			
Surrogate: 1,2-DCA-d4	28.7		11	25.0		115	60-140			
Surrogate: Toluene-d8	26.5		u	25.0		106	60-140			
Surrogate: 4-BFB	21.9		"	25.0		88	60-140			



Delta Environmental Consultants - San Jose	Project:	Shell 4212 N. 1st Street, Pleasanton	S608356
175 Bernal Rd, Suite 200	Project Number:	98995840	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	08/23/06 14:36

#### TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6080262 - EPA 5030B [P/T] /	EPA 8260B									
Matrix Spike (6080262-MS1)	Source: S6	08157-03		Prepared	& Analyzo	ed: 08/16/	06			
Methyl tert-butyl ether	32.3	0,50	ug/l	52.0	ND	62	60-140			
Toluene	196	0.50	0	188	ND	104	70-130			
Gasoline Range Organics (C4-C12)	2090	50		2200	ND	95	60-140			
Surrogate: 1,2-DCA-d4	21.4		"	25.0		86	60-140			
Surrogate: Toluene-d8	26,5		n	25.0		106	60-140			
Surrogate: 4-BFB	26.8		"	25.0		107	60-140			
Matrix Spike Dup (6080262-MSD1)	Source: S608157-03 Prepared & Analyzed: 08/16/06									
Methyl tert-butyl ether	32.4	0.50	ug/l	52,0	ND	62	60-140	0.3	25	
Toluene	206	0.50	a	188	ND	110	70-130	5	25	
Gasoline Range Organics (C4-C12)	2410	. 50	11	2200	ND	110	60-140	14	25	
Surrogate: 1,2-DCA-d4	28.8		"	25.0		115	60-140			
Surrogate: Toluene-d8	25.8		"	25.0		103	60-140			
Smrogate: 4-BFB	22.1		"	25.0		88	60-140			
Batch 6080323 - EPA 5030B [P/T] /	EPA 8260B									
				Prenared	& Analyze	ed: 08/18/	06			
Blank (6980323-BLK1)										
Blank (6080323-BLK1) Ethanol	ND	50	ug/l							
	ND ND	50 5,0	ug/l	110puidu						
Ethanol										
Ethanol Tert-butyl alcohol	ND	5.0	u							
Ethanol Tert-butyl alcohol Methyl tert-butyl ether	ND ND	5,0 0,50	11 11				·			
Ethanol Tert-butyl alcohol Methyl tert-butyl ether Di-isopropyl ether	ND ND ND	5.0 0.50 2.0	11 11 11							
Ethanol Tert-butyl alcohol Methyl tert-butyl ether Di-isopropyl ether Ethyl tert-butyl ether Tert-amyl methyl ether	ND ND ND ND	5,0 0,50 2,0 2,0	11 11 11 11							
Ethanol Tert-butyl alcohol Methyl tert-butyl ether Di-isopropyl ether Ethyl tert-butyl ether Tert-amyl methyl ether 1,2-Dichloroethane	ND ND ND ND	5.0 0.50 2.0 2.0 2.0	11 11 11 11 11 11 11 11							
Ethanol Tert-butyl alcohol Methyl tert-butyl ether Di-isopropyl ether Ethyl tert-butyl ether	ND ND ND ND ND	5.0 0.50 2.0 2.0 2.0 0.50	11 11 11 11 11 11 11 11							
Ethanol Tert-butyl alcohol Methyl tert-butyl ether Di-isopropyl ether Ethyl tert-butyl ether Tert-amyl methyl ether 1,2-Dichloroethane 1,2-Dibromoethane (EDB) Benzene	ND ND ND ND ND ND	5,0 0,50 2,0 2,0 2,0 0,50 0,50	11 11 11 11 11 11 11 11							
Ethanol Tert-butyl alcohol Methyl tert-butyl ether Di-isopropyl ether Ethyl tert-butyl ether Tert-amyl methyl ether 1,2-Dichloroethane 1,2-Dibromoethane (EDB) Benzene Ethylbenzene	ND ND ND ND ND ND ND ND ND	5,0 0,50 2,0 2,0 0,50 0,50 0,50 0,50 0,5	11 11 11 11 11 11 11 11 11 11 11 11 11							
Ethanol Tert-butyl alcohol Methyl tert-butyl ether Di-isopropyl ether Ethyl tert-butyl ether Tert-amyl methyl ether 1,2-Dichloroethane 1,2-Dibromoethane (EDB)	ND ND ND ND ND ND ND	5.0 0.50 2.0 2.0 2.0 0.50 0.50 0.50 0.50								
Ethanol Tert-butyl alcohol Methyl tert-butyl ether Di-isopropyl ether Ethyl tert-butyl ether Tert-amyl methyl ether 1,2-Dichloroethane 1,2-Dibromoethane (EDB) Benzene Ethylbenzene Toluene Xylenes (total)	ND ND ND ND ND ND ND ND ND	5,0 0,50 2,0 2,0 0,50 0,50 0,50 0,50 0,5								
Ethanol Tert-butyl alcohol Methyl tert-butyl ether Di-isopropyl ether Ethyl tert-butyl ether Tert-amyl methyl ether 1,2-Dichloroethane 1,2-Dibromoethane (EDB) Benzene Ethylbenzene Toluene	ND ND ND ND ND ND ND ND ND ND	5.0 0.50 2.0 2.0 0.50 0.50 0.50 0.50 0.5		25.0		110	60-140			
Ethanol Tert-butyl alcohol Methyl tert-butyl ether Di-isopropyl ether Ethyl tert-butyl ether Tert-amyl methyl ether 1,2-Dichloroethane 1,2-Dibromoethane (EDB) Benzene Ethylbenzene Toluene Xylenes (total) Gasoline Range Organics (C4-C12)	ND ND ND ND ND ND ND ND ND ND ND	5.0 0.50 2.0 2.0 0.50 0.50 0.50 0.50 0.5	0 11 11 11 11 11 11 11 11 11 11 11 11 11			110 104	60-140 60-140			

TestAmerica - Sacramento, CA



Delta Environmental Consultants - San Jose	Project:	Shell 4212 N. 1st Street, Pleasanton	S608356
175 Bernal Rd, Suite 200	Project Number:	98995840	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	08/23/06 14:36

#### TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6080323 - EPA 5030B [P/T]	/ EPA 8260B									
Blank (6080323-BLK2)				Prepared	& Analyze	ed: 08/21/0	06			
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	н							
Methyl tert-butyl ether	ND	0.50	и							
Di-isopropyl ether	ND	2.0	н							
Ethyl tert-butyl ether	ND	2,0	μ							
Tert-amyl methyl ether	ND	2.0	11							
1,2-Dichloroethane	ND	0.50	н							
1,2-Dibromoethane (EDB)	ND	0.50	и							
Benzene	ND	0.50	0							
Ethylbenzene	ND	0.50	ч							
Toluene	ND	0,50	0							
Xylenes (total)	ND	1.0	U							
Gasoline Range Organics (C4-C12)	ND	50	0							
Surrogate: 1,2-DCA-d4	26.6		"	25.0		106	60-140			
Surrogate: Toluene-d8	26.2		"	25.0		105	60-140			
Surrogate: 4-BFB	26.1		"	25.0		104	60-140			
Laboratory Control Sample (6080323-	BS1)			Prepared	& Analyze	d: 08/18/0	)6			
Gasoline Range Organics (C4-C12)	2330	50	ug/l	2000		116	70-130			
Surrogate: 1,2-DCA-d4	26.9		н	25.0		108	60-140			
Surrogate: Toluene-d8	27.1		"	25.0		108	60-140			
Surrogate: 4-BFB	23.4		"	25.0		94	60-140			
Laboratory Control Sample (6080323-	BS2)			Prepared a	& Analyze	d: 08/18/0	)6			
Methyl tert-butyl ether	16,9	0.50	ug/l	20.0		84	60-140			
Benzene	18.7	0.50	U	20.0		94	70-130			
Toluene	21.4	0.50	u	20.0		107	70-130			
Surrogate: 1,2-DCA-d4	25,9		"	25.0		104	60-140			
Surrogate: Toluene-d8	25.6		"	25.0		102	60-140			
Surrogate: 4-BFB	22.4		"	25.0		90	60-140			



Delta Environmental Consultants - San Jose	Project:	Shell 4212 N. 1st Street, Pleasanton	S608356
175 Bernal Rd, Suite 200	Project Number:	98995840	Reported:
San Jose CA, 95119	Project Manager:	Lee Dooley	08/23/06 14:36

## Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

#### TestAmerica - Sacramento, CA

E					· ·					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6080323 - EPA 5030B [P/T] /	FPA 8760R									
				Dronorad	& Analyze	ad 08/21/	06			
Laboratory Control Sample (6080323-B Gasoline Range Organics (C4-C12)	1740	50	ug/l	2000	& Analyzo	87	70-130			
			идл							
Surrogate: 1,2-DCA-d4	26.2		"	25.0		105	60-140			
Surrogate: Toluene-d8	25.9			25.0		104	60-140			
Surrogate: 4-BFB	27.5		11	25.0		110	60-140			
Laboratory Control Sample (6080323-B	S4)			Prepared	& Analyze	ed: 08/21/	06			
Methyl tert-butyl ether	20,4	0.50	ug/l	20.0		102	60-140			
Benzene	19.7	0.50	н	20,0		98	70-130			
Toluene	17,6	0.50	n	20.0		88	70-130			
Surrogate: 1,2-DCA-d4	25.2		"	25.0		101	60-140			••••••
Surrogate: Toluene-d8	25.7		п	25.0		103	60-140			
Surrogate: 4-BFB	26.7		"	25.0		107	60-140			
Matrix Spike (6080323-MS1)	Source: S6	08184-04		Prepared	& Analyze	ed: 08/18/	06			
Methyl tert-butyl ether	31.2	0.50	ug/l	52.0	0.180	60	60-140			QM02
Benzene	23.1	0.50	0	38,8	ND	60	70-130			QM02
Toluene	202	0.50	u	188	0.820	107	70-130			
Gasoline Range Organics (C4-C12)	2350	50	0	2200	329	92	60-140			
Surrogate: 1,2-DCA-d4	27.1		#	25.0		108	60-140			
Surrogate: Toluene-d8	25.5		и	25.0		102	60-140			
Surrogate: 4-BFB	21.2		"	25.0		85	60-140			
Matrix Spike Dup (6080323-MSD1)	Source: S6	08184-04		Prepared	& Analyza	ed: 08/18/	06			
Methyl tert-butyl ether	35.2	0.50	ug/l	52,0	0.180	67	60-140	12	25	
Benzene	26.2	0.50	17	38.8	ND	. 68	70-130	13	25	QM02
Toluene	229	0,50	II	188	0.820	121	70-130	13	25	
Gasoline Range Organics (C4-C12)	2750	50	n	2200	329	110	60-140	16	25	
Surrogate: 1,2-DCA-d4	27.6		"	25.0		110	60-140			
Surrogate: Toluene-d8	25.4		"	25.0		102	60-140			
Surrogate: 4-BFB	21.0		"	25.0		84	60-140			



Delta Environmental Consultants - San JoseProject:Shell 4212 N. 1s175 Bernal Rd, Suite 200Project Number:98995840San Jose CA, 95119Project Manager:Lee Dooley	st Street, Pleasanton S608356 Reported: 08/23/06 14:36
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#### Notes and Definitions

QM02 The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

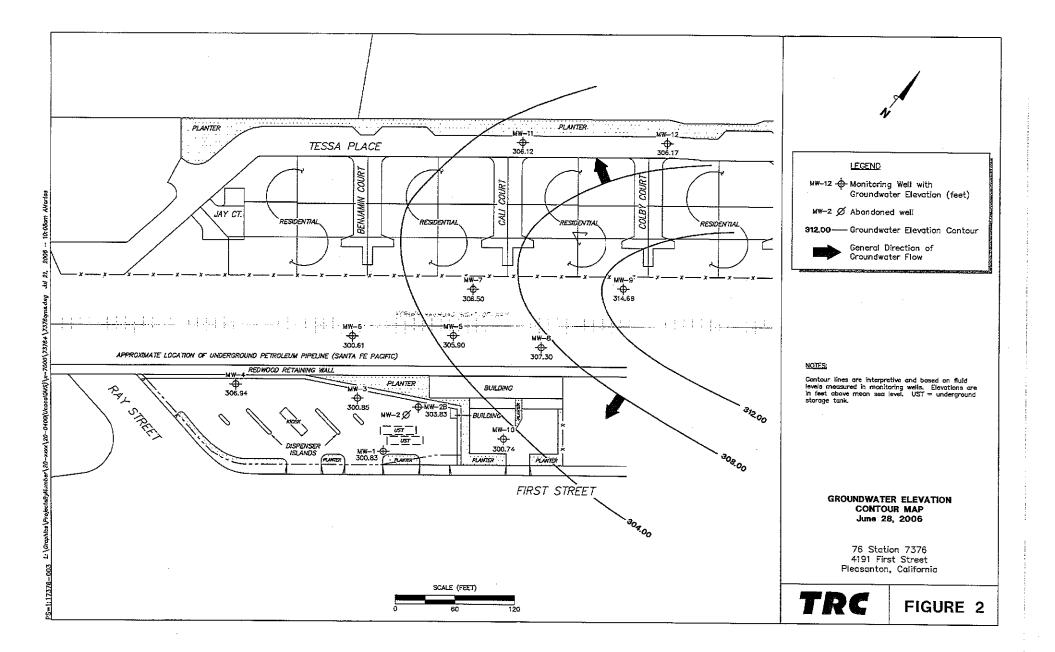
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

TestAmerica - Sacramento, CA

LAB: Test America STL Lab Identification (if necessary):	. Other								Sŀ	1EI	LL	CI	hai	in (	Of	Cι	ıst	od	y	Reco	ord	4	7	C	N.C.	$n_{g}$	S a	
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# Attachment H

# GROUNDWATER CONTOUR ELEVATION MAP, UNOCAL-BRANDED SERVICE STATION 7376



# FIELD MONITORING DATA SHEET

Site *       1376       Total to       Depth to       Product to       Time Sampled       N         Well #       Gauged       TOC       Depth       Water       Product       Thickness       Time Sampled       N         Mw-4       0633       X       92.79       62.495        1102       2*         Mw-9       6715       ×       7440       50.12        1119       2*         Mw-9       6715       ×       7440       50.12        1119       2*         Mw-9       6715       ×       7440       50.12        1119       2*         Mw-11       0653       ×       86.66       50.73        0432       2*         Mw-11       0653       ×       85.66       50.73        0432       2*         Mw-10       06455       ×       85.22       61.92        1013       2*         Mw-2       0655       ×       35.19       56.89        1045       2*         Mw-3       0107       ×       86.79        11306       2*         Mw-3       0707       ×       94	e: <u>03-15-06</u>
Well #         Time Gauged         Total TOC         Total Depth         to Water         To Product         Thickness (feet)         Time Sampled         M $Mw-4$ 0633         X         92.79         62.45          1102         2" $Mw-9$ 67.15         X         74.40         50.12          1119         2" $Mw-9$ 67.15         X         74.40         50.12          1119         2" $Mw-9$ 67.15         X         36.45         50.71          09.02         2" $Mw-10$ 0653         X         85.66         50.73          09.02         2" $Mw-10$ 0653         X         85.66         50.73          09.02         2" $Mw-10$ 06455         X         85.42         61.96          1013         2" $Mw-7$ 07.11         X         85.68          12.10         2" $Mw-7$ 07.17         X         76.66         51.92          113.96         2"	je of
Well #       Gauged       TOC       Depth       Water       Product       (feet)       Sampled       N $mw-4$ 0633       X       92.79       62.45       -       1102       1" $mw-9$ 0715       X       74.40       50.12       -       1119       2" $mw-9$ 0715       X       74.40       50.12       -       -       1119       2" $mw-12$ 0645       X       36.46       50.73       -       0902       2" $mw-11$ 0653       X       85.66       50.73       -       0902       2" $mw-11$ 0653       X       85.46       50.73       -       0938       2" $mw-10$ 06453       X       85.22       61.26       -       1013       2" $mw-9$ 0655       X       35.19       56.89       -       1210       2" $mw-9$ 0655       X       35.19       51.92       -       113%       2" $mw-9$ 0713       X       86.79       -       113%       2" $mw-1$ 07102       X	
$mw \cdot q$ $0633$ $\chi$ $11.90$ $50.11$ $ 11.91$ $2^{11}$ $mw \cdot n$ $0645$ $\chi$ $99.36$ $49.9n2$ $ 0902$ $2^{11}$ $mw \cdot n$ $0645$ $\chi$ $99.36$ $49.9n2$ $ 0902$ $2^{11}$ $mw \cdot n$ $0653$ $\chi$ $85.66$ $50.71$ $ 0902$ $2^{11}$ $mw \cdot 11$ $0653$ $\chi$ $85.66$ $50.71$ $ 0938$ $2^{11}$ $mw \cdot 6$ $0721$ $\chi$ $86.22$ $61.98$ $ 1013$ $2^{11}$ $mw - 10$ $06455$ $\chi$ $90.75$ $61.26$ $ 1045$ $2^{11}$ $mw - 3$ $0655$ $\chi$ $95.19$ $56.89$ $ 1210$ $2^{11}$ $mw - 7$ $0727$ $\chi$ $86.79$ $65.59$ $ 11396$ $2^{11}$ $mw - 3$ $0707$ $\chi$ $94.04$ $65.91$ $ 1018$ $2^{11}$ $mw \cdot 2$ $0713$ $\chi$	Aisc. Well Notes
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$mw \cdot 11$ $0653$ × $85.66$ $50.73$ $ 0438$ $2''$ $mw \cdot 6$ $0721$ × $86.22$ $61.98$ $ 1013$ $2''$ $mw \cdot 6$ $0721$ × $86.22$ $61.98$ $ 1013$ $2''$ $mw \cdot 10$ $0645$ × $90.75$ $61.26$ $ 1045$ $2''$ $mw - 3$ $0655$ × $35.19$ $56.89$ $ 1210$ $2''$ $mw - 7$ $0727$ × $76.66$ $51.92$ $ 11396$ $2''$ $mw - 7$ $0727$ × $96.79$ $65.59$ $ 1154$ $2''$ $mw - 3$ $0707$ × $94.04$ $65.91$ $ 1018$ $2''$ $mw - 2B$ $0713$ × $85.33$ $64.03$ $ 1018$ $2''$	
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