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Alameda County  
Environmental Health

SUSTAINABLE STRATEGIES FOR GLOBAL LEADERS

August 9, 2007  
DELTA Project: SJ8999S1X  
SAP: 135244

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

**Re: SECOND QUARTER 2007 GROUNDWATER MONITORING  
REPORT**  
**Shell-Branded Service Station**  
**8999 San Ramon Road**  
**Dublin, California**



Dear Mr. Wickham:

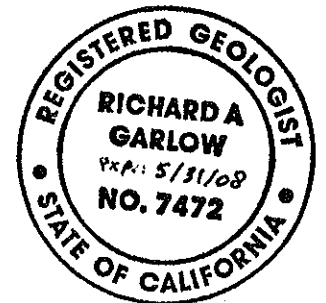
On behalf of Shell Oil Products (Shell), Delta Environmental Consultants, Inc. (Delta) has prepared this *Second Quarter 2007 Groundwater Monitoring Report* for the above referenced site.

This quarterly report represents Delta's professional opinions based upon the currently available information and is 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.

If you have any questions regarding this site, please contact Mr. Richard Garlow (Delta) at (408) 826-1880 or Mr. Denis Brown (Shell) at (707) 865-0251.

Sincerely,  
Delta Environmental Consultants, Inc.

Richard A. Garlow, P.G. 7472  
Senior Project Manager



Attachment: Second Quarter 2007 Groundwater Monitoring Report

cc: Denis Brown, Shell Oil Products US, Carson  
Carl Cox, C and J Cox Corporation, Pleasanton  
Colleen Winey, Zone 7 Water Agency, Livermore

## SHELL QUARTERLY STATUS REPORT

Station Address: 8999 San Ramon Road, Dublin, California  
DELTA Project No. SJ8999S1X  
SHELL Project Manager / Phone No.: Denis Brown / (707) 865-0251  
DELTA Site Manager / Phone No.: Richard Garlow / (408) 239-9833  
Primary Agency / Regulatory ID: ACHCSA / Jerry Wickham  
Other Agencies to Receive Copies: Zone 7 Water Agency

### WORK PERFORMED THIS QUARTER (SECOND - 2007):

1. Quarterly groundwater monitoring and sampling. Submitted quarterly report.

### WORK PROPOSED FOR NEXT QUARTER (THIRD - 2007):

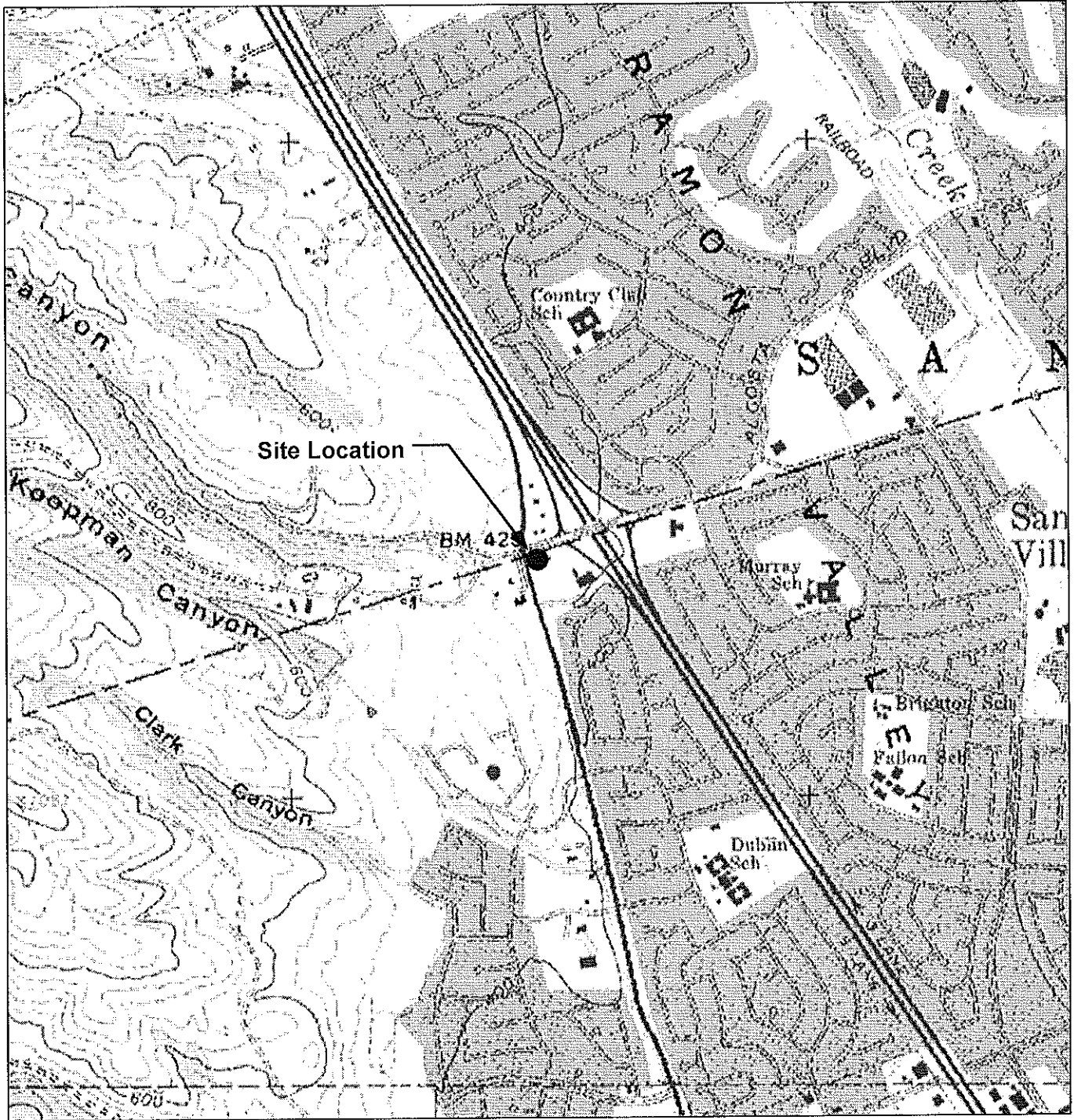
1. Quarterly groundwater monitoring and sampling. Submit quarterly report.

Current Phase of Project: Site Assessment, Groundwater monitoring  
Frequency of Sampling: Quarterly  
Frequency of Monitoring: Quarterly  
Is Separate Phase Hydrocarbon Present On-site (Well #'s):  Yes  No  
Cumulative SPH Recovered to Date : NA  
SPH Recovered This Quarter : NA  
Sensitive Receptor(s) and Respective Direction(s): No municipal water supply wells were identified within a one-mile radius. A domestic drinking water well (25/1W-35L001) is located ~2,300 ft. southwest of the site.  
Current Remediation Techniques: None  
Permits for Discharge: None  
Approximate Depth to Groundwater: 23.80 feet to 28.72 feet below top of well casing  
Groundwater Gradient: Southeasterly @ approximately 0.05 ft/ft, consistent with previous data.  
Current Agency Correspondence: NA  
Summary of Unusual Activity: Wells MW- 1, MW-7, and MW-11 were dry. Wells MW-2 and MW-9 had insufficient water. TEPH increase in MW-5.

**ATTACHED:**

- Figure 1 – Site Location Map
- Figure 2 – Groundwater Elevation Contour Map, June 5, 2007
- Figure 3 – TPH-G, MTBE, and TBA Concentration Map, June 5, 2007
- Appendix A – Groundwater Monitoring and Sampling Report, July 10, 2007

## FIGURES

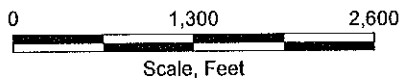


**GENERAL NOTES:**

Base Map from: 3-D TopoQuads DeLorme  
 Yarmouth, ME 04096 Source Data: USGS



QUADRANGLE LOCATION



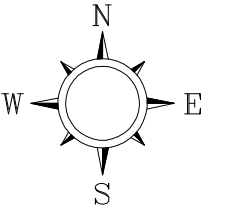
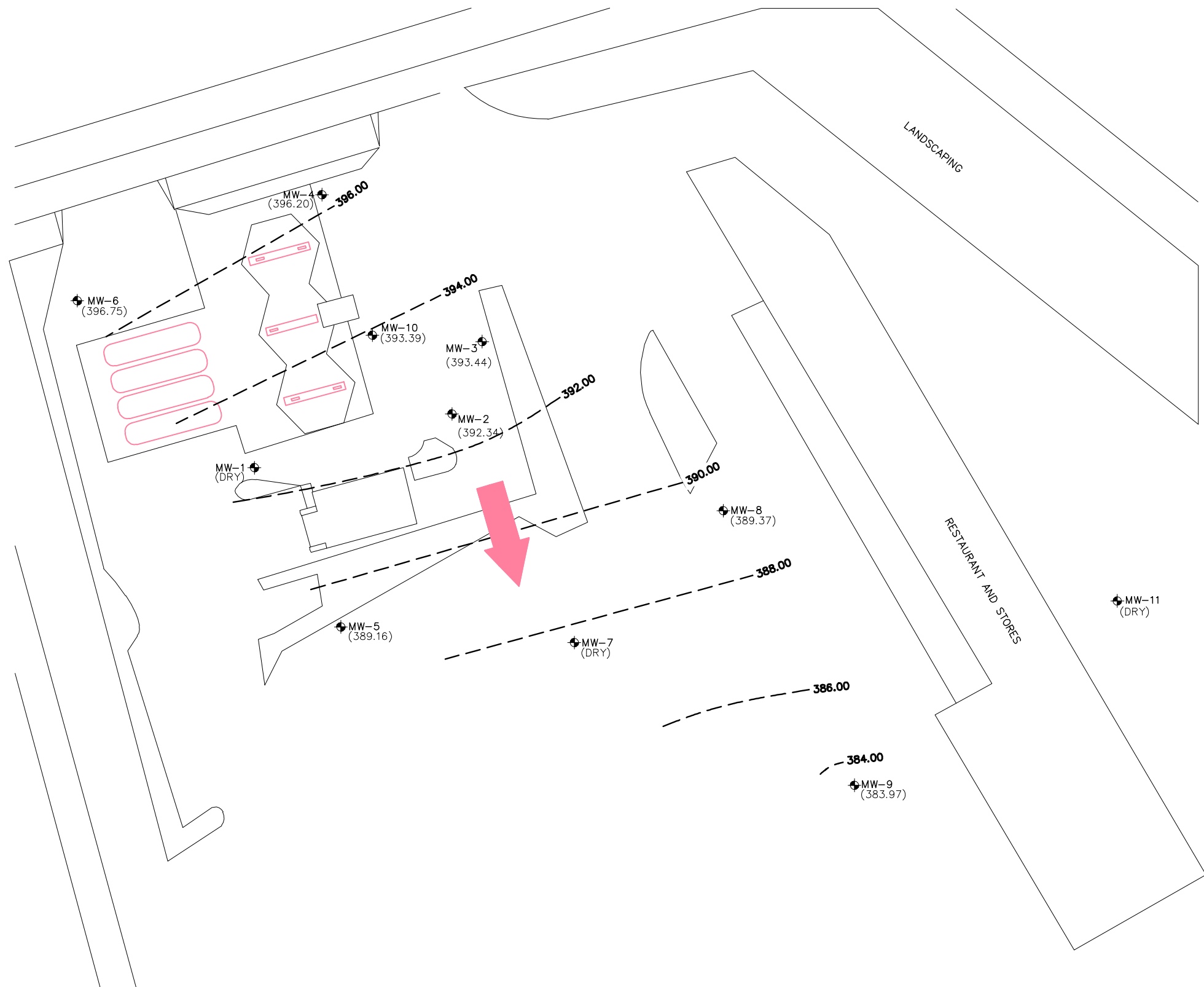
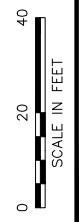
**FIGURE 1**  
**SITE LOCATION MAP**

**SHELL-BRANDED SERVICE STATION**  
 8999 San Ramon Road  
 Dublin, California

PROJECT NO. SJ89-99S-1.2005	DRAWN BY V. F. 12/9/04
FILE NO. SJ89-99S-1.2004	PREPARED BY VF
REVISION NO.	REVIEWED BY



PROJECT NUMBER SJ8999S1X  
 APPROVED BY  
 CHECKED BY  
 DRAWN BY J.F.F.



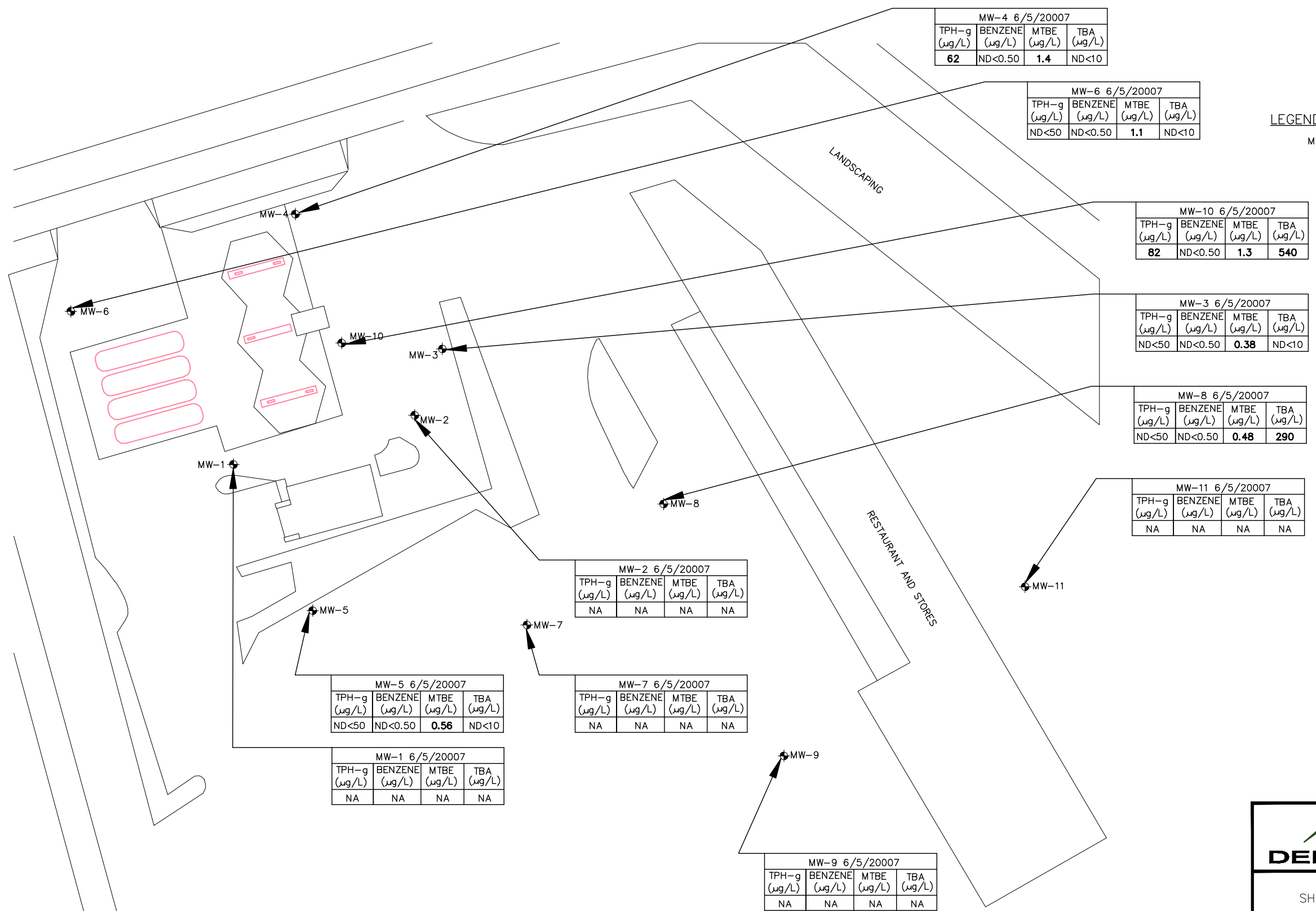
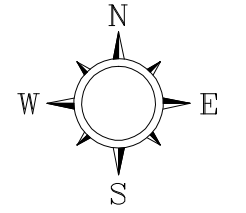
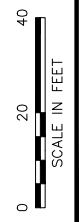
- LEGEND**
- MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
  - (396.20) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
  - 386.00 GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)  
CONTOUR INTERVAL=2.00 FEET
  - APPROXIMATE GROUNDWATER GRADIENT



SHELL OIL PRODUCTS U.S.  
 SHELL-BRANDED SERVICE STATION  
 DUBLIN, CALIFORNIA

**FIGURE 2**  
**GROUNDWATER ELEVATION CONTOUR**  
**MAP**  
**6/5/2007**  
 8999 SAN RAMON ROAD  
 DUBLIN, CALIFORNIA

PROJECT NUMBER: SJ8999S1X  
 APPROVED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: J.F.F.



**LEGEND**

- MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- TPH-g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- MTBE METHYL TERT-BUTYL ETHER
- TBA TERT-BUTYL ALCOHOL
- ND< NOT DETECTED ABOVE LIMIT NOTED
- µg/L MICROGRAMS PER LITER
- NA NOT ANALYZED



SHELL OIL PRODUCTS U.S.  
 SHELL-BRANDED SERVICE STATION  
 DUBLIN, CALIFORNIA

**FIGURE 3**  
**HYDROCARBON DISTRIBUTION IN**  
**GROUNDWATER MAP**  
**6/5/2007**

8999 SAN RAMON ROAD  
 DUBLIN, CALIFORNIA

**APPENDIX A**

**GROUNDWATER MONITORING AND SAMPLING REPORT, JULY 10, 2007**



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**BLAINE**  
TECH SERVICES INC.

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GROUNDWATER SAMPLING SPECIALISTS  
SINCE 1985

July 10, 2007

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

Second Quarter 2007 Groundwater Monitoring at  
Shell-branded Service Station  
8999 San Ramon Road  
Dublin, CA

Monitoring performed on June 5, 2007

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Groundwater Monitoring Report **070605-SL-1**

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

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

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

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

Please call if you have any questions.

Yours truly,

Mike Ninokata  
Project Manager

MN/ks

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

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

# BLAINE TECH SERVICES, INC. METHODS AND PROCEDURES FOR THE ROUTINE MONITORING OF GROUNDWATER WELLS AT SHELL SITES

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684 ) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

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## SAMPLING PROCEDURES OVERVIEW

### SAFETY

All groundwater monitoring assignments performed for Shell comply with Shell's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40-hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Shell site.

### INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic water level indicators that are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of immiscibles. When free product is suspected, its presence is confirmed using an electronic interface probe (e.g. MMC). No samples are collected from a well containing over two-hundredths of a foot (0.02') of product.

### EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well.

#### PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

#### DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewateres and does not immediately recharge.

#### MEASURING RECHARGE

Upon completion of well purging, a depth to water measurement is collected and notated to ensure that the well has recharged to within 80% of its static, pre-purge level prior to sampling.

Wells that do not immediately show 80% recharge or dewatered wells will be allowed a minimum of 2 hours to recharge prior to sampling. The water level at time of sampling will be noted.

#### PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non-hazardous purgewater is transported under standard Bill of Lading documentation to a Blaine Tech Services, Inc. facility before being transported to a Shell approved disposal facility.

## SAMPLE COLLECTION DEVICES

All samples are collected using a stainless steel, Teflon or disposable bailers.

## SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory that will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

## TRIP BLANKS

Trip Blanks, if requested, are taken to the site and kept inside the sample cooler for the duration of the event. They are turned over to the laboratory for analysis with the samples from that site.

## DUPLICATES

Duplicates, if requested, may be collected at a site. The Field Technician uses their discretion in choosing the well at which the Duplicate is collected, typically one suspected of containing measurable contaminants. The Duplicate sample is labeled "DUP" and the time of collection is omitted from the COC, thus rendering the sample blind.

## SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the designated analytical laboratory. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

## DOCUMENTATION CONVENTIONS

A label must be affixed to all sample containers. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time and date of sample collection along with the initials of the person who collects the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

## DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

## DISSOLVED OXYGEN READINGS

Dissolved Oxygen readings are taken pre- and/or post-purge using YSI meters (e.g. YSI Model 54, 58 or 95) or HACH field test kits.

The YSI meters are equipped with a stirring device that enables them to collect accurate in-situ readings. The probe/stirring devices are modified to allow downhole measurements to be taken from wells with diameters as small as two inches. The probe and reel is decontaminated between wells as described above. The meter is calibrated between wells as per the instructions in the operating manual. The probe and stirrer is lowered into the water column. The reading is allowed to stabilize prior to collection.

## OXYIDATON REDUCTION POTENTIAL READINGS

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

## FERROUS IRON MEASUREMENTS

All field measurements are collected at time of sampling with a HACH test kit.

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**8999 San Ramon Road**  
**Dublin, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.93	NA
MW-1	05/19/2005	<5,000	160 a	<50	<50	<50	<100	1,400	<200	<200	<200	57,000	420.06	20.70	399.36
MW-1	08/15/2005	<5,000	<50	<50	<50	<50	<100	360	<200	<200	<200	56,000	420.06	23.98	396.08
MW-1	11/08/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	NA	NA
MW-1	01/30/2006	585	438	<0.500	<0.500	<0.500	<0.500	15.6	<0.500	<0.500	<0.500	115,000	420.06	26.39	393.67
MW-1	05/19/2006	2,940	279 c	<0.500	<0.500	<0.500	<0.500	150	<0.500	0.940	<0.500	49,500	420.06	23.10	396.96
MW-1	08/24/2006	812	85.6 c	<0.500	<0.500	<0.500	<0.500	33.0	<0.500	0.890	<0.500	30,700	420.06	23.94	396.12
MW-1	11/02/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	NA	NA
MW-1	01/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	NA	NA
<b>MW-1</b>	<b>06/05/2007</b>	<b>Well dry</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>420.06</b>	<b>NA</b>	<b>NA</b>
MW-2	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.72	NA
MW-2	05/19/2005	<500	<50	<5.0	<5.0	<5.0	<10	11	<20	<20	<20	4,200	418.88	21.26	397.62
MW-2	08/15/2005	<1,000	<50	<10	<10	<10	<20	<10	<40	<40	<40	7,500	418.88	25.33	393.55
MW-2	11/08/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	NA	NA
MW-2	01/30/2006	<50.0	401	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1,310	418.88	25.87	393.01
MW-2	05/19/2006	398	134 c	<0.500	<0.500	<0.500	<0.500	7.65	<0.500	<0.500	<0.500	4,910	418.88	21.75	397.13
MW-2	08/24/2006	<50.0	<46.9 c	<0.500	<0.500	<0.500	<0.500	2.82	<0.500	<0.500	<0.500	4,070	418.88	24.60	394.28
MW-2	11/02/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	NA	NA
MW-2	01/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	NA	NA
<b>MW-2</b>	<b>06/05/2007</b>	<b>Insufficient water</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>418.88</b>	<b>26.54</b>	<b>392.34</b>
MW-3	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.08	NA
MW-3	05/19/2005	<50	120 a	<0.50	<0.50	<0.50	<1.0	40	<2.0	<2.0	<2.0	6.5	417.24	19.08	398.16
MW-3	08/15/2005	<50	73	<0.50	<0.50	<0.50	<1.0	34	<2.0	<2.0	<2.0	<5.0	417.24	22.20	395.04
MW-3	11/08/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.24	NA	NA
MW-3	01/30/2006	<50.0	412	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	417.24	23.64	393.60
MW-3	05/19/2006	<50.0	183 c	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	417.24	19.00	398.24

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**8999 San Ramon Road**  
**Dublin, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-3	08/24/2006	<50.0	214 c	<0.500	<0.500	<0.500	<0.500	3.11	<0.500	<0.500	<0.500	661	417.24	21.84	395.40
MW-3	11/02/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.24	NA	NA
MW-3	01/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.24	NA	NA
<b>MW-3</b>	<b>06/05/2007</b>	<b>&lt;50 f</b>	<b>230 c</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>0.38 g</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;10</b>	<b>417.24</b>	<b>23.80</b>	<b>393.44</b>

MW-4	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.77	NA
MW-4	05/19/2005	97	59 a	0.66	<0.50	<0.50	<1.0	4.8	<2.0	<2.0	<2.0	8.2	420.52	19.85	400.67
MW-4	08/15/2005	67	<50	<0.50	<0.50	<0.50	<1.0	0.86	<2.0	<2.0	<2.0	<5.0	420.52	23.34	397.18
MW-4	11/08/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.52	NA	NA
MW-4	01/30/2006	<50.0	112	<0.500	<0.500	<0.500	<0.500	1.63	<0.500	<0.500	<0.500	<10.0	420.52	24.13	396.39
MW-4	05/19/2006	<50.0	<46.9 c	<0.500	<0.500	<0.500	<0.500	1.08	<0.500	<0.500	<0.500	<10.0	420.52	19.79	400.73
MW-4	08/24/2006	<50.0	<47.2 c	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	78.3	420.52	22.50	398.02
MW-4	11/02/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.52	NA	NA
MW-4	01/29/2007	<50	<50 c	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	420.52	25.82	394.70
<b>MW-4</b>	<b>06/05/2007</b>	<b>62 f</b>	<b>120 c</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>1.4</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;10</b>	<b>420.52</b>	<b>24.32</b>	<b>396.20</b>

MW-5	08/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	416.88	25.25	391.63
MW-5	08/24/2006	<50.0	108 c	<0.500	<0.500	<0.500	<0.500	3.33	<0.500	<0.500	<0.500	21.0	416.88	25.70	391.18
MW-5	11/02/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	416.88	28.00	388.88
MW-5	01/29/2007	<50	66 c	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	416.88	27.80	389.08
<b>MW-5</b>	<b>06/05/2007</b>	<b>&lt;50 f</b>	<b>2,200 c,e</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>0.56 g</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;10</b>	<b>416.88</b>	<b>27.72</b>	<b>389.16</b>

MW-6	02/28/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	422.50	23.55	398.95
MW-6	03/03/2006	<50.0	104	<0.500	<0.500	<0.500	<0.500	4.93	<0.500	<0.500	<0.500	<10.0	422.50	23.30	399.20
MW-6	05/19/2006	<50.0	<46.9	<0.500	<0.500	<0.500	<0.500	5.76	<0.500	<0.500	<0.500	<10.0	422.50	20.31	402.19
MW-6	08/24/2006	<50.0	<47.2 c	<0.500	<0.500	<0.500	<0.500	0.870	<0.500	<0.500	<0.500	<10.0	422.50	23.69	398.81
MW-6	11/02/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	422.50	28.51	393.99
MW-6	01/29/2007	<50	<50 c	<0.50	<0.50	<0.50	<1.0	1.7	<2.0	<2.0	<2.0	<5.0	422.50	27.08	395.42



**WELL CONCENTRATIONS**  
**Shell Service Station**  
**8999 San Ramon Road**  
**Dublin, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-6	06/05/2007	<50 f	97 c	<0.50	<1.0	<1.0	<1.0	1.1	<2.0	<2.0	<2.0	<10	422.50	25.77	396.73
MW-7	08/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	25.84	388.51
MW-7	08/24/2006	<50.0	<47.2 c	<0.500	<0.500	<0.500	<0.500	2.63	<0.500	<0.500	<0.500	751	414.35	26.21	388.14
MW-7	11/02/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA
MW-7	01/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA
MW-7	06/05/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA
MW-8	08/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.54	23.02	391.52
MW-8	08/24/2006	110	74.5 c	<0.500	<0.500	<0.500	<0.500	4.62	<0.500	<0.500	<0.500	6,610	414.54	23.17	391.37
MW-8	11/02/2006	92	96 c	<0.50	<0.50	<0.50	<1.0	1.4	<2.0	<2.0	<2.0	2,300	414.54	27.69	386.85
MW-8	01/29/2007	<50	<50 c	<0.50	<0.50	<0.50	<1.0	0.51	<2.0	<2.0	<2.0	350	414.54	26.40	388.14
MW-8	06/05/2007	<50 f	120 c	<0.50	<1.0	<1.0	<1.0	0.48 g	<2.0	<2.0	<2.0	290	414.54	25.17	389.37
MW-9	08/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	27.75	384.94
MW-9	08/24/2006	<50.0	69.9 c,d	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	86.8	412.69	28.35	384.34
MW-9	11/02/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	412.69	28.43	384.26
MW-9	01/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	NA	NA
MW-9	06/05/2007	Insufficient water	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	28.72	383.97
MW-10	08/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	419.48	23.90	395.58
MW-10	08/24/2006	626	100 c	1.04	<0.500	1.22	<0.500	12.4	<0.500	<0.500	<0.500	5,740	419.48	24.02	395.46
MW-10	11/02/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	419.48	28.50	390.98
MW-10	01/29/2007	91	<50 c	<0.50	<0.50	<0.50	<1.0	4.9	<2.0	<2.0	<2.0	1,900	419.48	27.30	392.18
MW-10	06/05/2007	82 f	150 c	<0.50	<1.0	<1.0	<1.0	1.3	<2.0	<2.0	<2.0	540	419.48	26.09	393.39
MW-11	08/21/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	08/24/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**8999 San Ramon Road**  
**Dublin, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-11	11/02/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	01/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	06/05/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B.

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

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

MTBE = Methyl tertiary butyl ether

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

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

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

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

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**8999 San Ramon Road**  
**Dublin, CA**

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

a = Hydrocarbon reported does not match the pattern of the laboratory's Diesel standard.

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

c = Diesel with silica gel clean-up.

d = Insufficient sample available for reanalysis.

e = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s).

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

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

Site surveyed May 10, 2005 by Mid Coast Engineers.

Well MW-6 surveyed March 3, 2006 by Mid Coast Engineers.

# SHELL WELLHEAD REPAIR FORM

## (FOR REPAIR TECHNICIAN)

Site Address 8999 San Ramon Rd., Dublin  
 Job Number 070613A11 Technician Andrew Adolph

Date 6-13-07  
 Page 1 of 7

Inspection Point (Well ID or description of location)	Check Indicates deficiency											Well Inspected, Cleaned, Lubed - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Bulow Grade	Not Secureable by Design (12" diameter or less)	Not Secureable by Design (larger than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair	
	"MONITORING WELL" - did not inspect with wires	Other Deficiency																											
MW-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
	Notes: Replaced wellbox																												
	Well box type / size: 12" Emco Materials used: wellbox, 5 bags of concrete																												
MW-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
	Notes: annular seal replaced																												
	Well box type / size: 12" Emco Materials used: 1 bag of concrete																												
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Notes:																												
	Well box type / size: Materials used:																												
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Notes:																												
	Well box type / size: Materials used:																												
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Notes:																												
	Well box type / size: Materials used:																												
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Notes:																												
	Well box type / size: Materials used:																												

# SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 8999 SAN RAMON RD, DUBLIN, CA Date 06/05/07  
 Job Number 070605-SL-1 Technician SL, RW, TV Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements	Water Dated From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	X	X							
MW-2	X	X							
MW-3		X						X	Apron checked
MW-4	X	X							
MW-5			X				X		no tag
MW-6							X		Annular seal broken OK on 6/11
MW-7							X		No TAG
MW-8							X		No TAG
MW-9							X		No TAG
MW-10							X		No TAG
MW-11							X		No TAG

\*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12" or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12" or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes: \_\_\_\_\_

# SHELL SITE INSPECTION CHECKLIST

Client Shell Date 6-1-07  
 Site Address 8999 San Ramon Rd., Dublin  
 Job Number 070601AA2 Technician Andrew Adinoff

Site Status Shell Branded Station \_\_\_\_\_ Vacant Lot \_\_\_\_\_ Other \_\_\_\_\_

- Inspected / Labeled / Cleaned - all wells on Scope Of Work  (N/A)
- Inspected / Cleaned Components - all other identifiable wells  (N/A)
- Inspected site for site investigation & site remediation related trip hazards  (N/A)
- Completed all outstanding *BLAINE Wellhead Repair Order(s)*  (N/A)
- Completed *Shell Wellhead Repair Form(s)*  (N/A)
- Inspected treatment / remediation system compound for security, cleanliness and appearance  (N/A)
- Inspected vacant lot for signs of habitation, hazardous materials or terrain, overgrown vegetation and security  (N/A)
- Visually inspected site drums for condition and proper labeling  (N/A)
- Unresolved deficiencies identified - "*Notice of Deficient Condition*" form(s) completed  (N/A)

<b>Notes</b>	

PROJECT MANAGER ONLY

<b>Checklist Reviewed</b>	 <small>Initial/Date</small>	<b>Notes</b>
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# SHELL WELLHEAD REPAIR FORM

## (FOR REPAIR TECHNICIAN)

Site Address 8999 San Ramon Rd. Dublin  
 Job Number 070601AA2 Technician Andrew Adinolfi

Date 6-1-07  
 Page 1 of 2

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Lubricated - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency										All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair		
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Bellow Grade	Not Securable by Design (12" diameter or less) (do not mark with words)	"MONITORING WELL"	Other Deficiency				Not Securable by Design (Greater than 12" diameter)	Well Not Inspected (explain in notes)
mw-1			X	X													X		
	Notes: Lock installed lid seal broken																		
	Well box type / size: 12" Emco					Materials used: lock, lid seal													
mw-2			X														X		
	Notes: Lid seal damaged																		
	Well box type / size: 12" Emco					Materials used: Lid seal													
mw-3		X	X			X	X										X		
	Notes: Bolts on too tight, retap, added new cap and lock																		
	Well box type / size: 12" Emco					Materials used: 4" cap, lock, 2 bolts													
mw-4																			
	Notes:																		
	Well box type / size: 12" Emco					Materials used:													
mw-5	X																		
	Notes: No tag																		
	Well box type / size: 12" Emco					Materials used:													
mw-6			X			X											X		
	Notes: Lid seal damaged Bolts on too tight retap																		
	Well box type / size: 12" Emco					Materials used: Lid seal, 2 bolts													
mw-7	X																		
	Notes: No tag																		
	Well box type / size: 12" Emco					Materials used:													

# SHELL WELLHEAD REPAIR FORM

## (FOR REPAIR TECHNICIAN)

Job Number 070602AA2

Page 2 of 2

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency										Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto BJ AINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Not Securable by Design (greater than 12" diameter)	Other Deficiency				
mw-8	<input checked="" type="checkbox"/>																	
	Notes: No tag																	
	Well box type / size: 2" ENCO									Materials used:								
mw-9	<input checked="" type="checkbox"/>																	
	Notes: No tag																	
	Well box type / size: 2" ENCO									Materials used:								
mw-10	<input checked="" type="checkbox"/>																	
	Notes: No tag																	
	Well box type / size: 2" ENCO									Materials used:								
mw-11		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>														
	Notes: Lid seal damaged water in box lock and cap rusted, No tag																	
	Well box type / size: 2" ENCO									Materials used: 2" cap, lock, lid seal								
	Notes:																	
	Well box type / size:									Materials used:								
	Notes:																	
	Well box type / size:									Materials used:								
	Notes:																	
	Well box type / size:									Materials used:								



WELL GAUGING DATA

Project # 070605-SL-1 Date 06/05/07 Client SHIELL

Site 3999 SAN RAMON RD., DUBLIN, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0940	4					dry	26.60	TOC	
MW-2	0842	4					26.54	26.80		
MW-3	0935	4					23.80	24.34		
MW-4	0853	4					24.32	26.53		
MW-5	0920	4					27.72	28.50		
MW-6	0908	4					25.77	28.55		
MW-7	0847	4					dry	28.50		
MW-8	0902	4					25.17	28.80		
MW-9	0929	4					<del>28.78</del> 28.72	28.80		
MW-10	0915	4					26.09	28.68		
MW-11	0852	2					dry	28.49		

### SHELL WELL MONITORING DATA SHEET

BTS #: <u>070605-SL</u>	Site: <u>97565995</u>
Sampler: <u>SL</u>	Date: <u>6/5/07</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>26.60</u>	Depth to Water (DTW): <u>dry</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Water~~ ~~Peristaltic~~ ~~Extraction Pump~~ Other: \_\_\_\_\_

Sampling Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Extraction Port~~ ~~Dedicated Tubing~~ Other: \_\_\_\_\_

$\frac{\text{Gals.}}{\text{Specified Volumes}} \times \text{Specified Volumes} = \text{Gals. Calculated Volume}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>Well dry → unable to sample</u>						

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Date:	Sampling Time: Depth to Water:
Sample I.D.:	Laboratory: STI Other _____
Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
EB I.D. (if applicable): @ _____	Duplicate I.D. (if applicable):
Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

## SHELL WELL MONITORING DATA SHEET

BTS #: <i>070605-SL1</i>			Site: <del>8447</del> <sup>7.4</sup> <i>97565995</i>		
Sampler: <i>SL</i>			Date: <i>6/5/07</i>		
Well I.D.: <sup>7.4</sup> <i>MW-2</i>			Well Diameter: 2 3 <b>(4)</b> 6 8		
Total Well Depth (TD): <i>26.80</i>			Depth to Water (DTW): <i>26.54</i>		
Depth to Free Product:			Thickness of Free Product (feet):		
Referenced to: <b>(PVC)</b> <u>Grude</u>			D.O. Meter (if req'd): YSI HACH		
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:					

Purge Method: Bailer Water: Peristaltic Sampling Method: Bailer  
 Disposable Bailer Extraction Pump Extraction Port  
 Positive Air Displacement Other: \_\_\_\_\_ Dedicated Tubing  
 Electric Submersible

<i>(Gals.) X</i>	<i>=</i>	<i>Gals.</i>																
I Case Volume	Specified Volumes	Calculated Volume																
<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>			Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier															
1"	0.04	4"	0.65															
2"	0.16	6"	1.47															
3"	0.37	Other	radius <sup>2</sup> * 0.163															

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						- Attempted to purge well - unable to retrieve water
						- insufficient water - unable to sample

Did well dewater? Yes No	Gallons actually evacuated:	
Sampling Date:	Sampling Time:	Depth to Water:
Sample I.D.:	Laboratory:	STL Other _____
Analyzed for: TPH-G BTEX MTBE TPH-D Other:		
EB I.D. (if applicable): @ _____	Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D Other:		
D.O. (if req'd): Pre-purge: _____	mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____	mV	Post-purge: _____ mV

## SHELL WELL MONITORING DATA SHEET

BTS #: 07060S-SL1	Site: 97565995
Sampler: SL	Date: 6/5/07
Well I.D.: MW-3	Well Diameter: 2 3 <b>4</b> 6 8
Total Well Depth (TD): 24.34	Depth to Water (DTW): 23.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <b>PVC</b> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 23.91	

Purge Method: Bailer      Water      Sampling Method: Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
 Electric Submersible      Other: \_\_\_\_\_      Dedicated Tubing  
 Other: \_\_\_\_\_

$0.35 \text{ (Gals.)} \times 3 = 1.05 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
1230	78	7.08	678	623	-	Original prepurge sample
	Attempted to purge but well dewatered @ ~200ml DTW-24.08					
1445	DTW-24.02 Unable to take post-purge sample due to lack of recharge					
Did well dewater?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Gallons actually evacuated:			< 1
Sampling Date: 6/5/07		Sampling Time: 1230		Depth to Water: 24.08		
Sample I.D.: MW-3		Laboratory: STL		Other: CAL Science		
Analyzed for: <b>TPH-G</b> <b>BTEX</b> MTBE <b>TPH-D</b>		Other: <b>PA</b> <b>Oxys</b>				
EB I.D. (if applicable):		Duplicate I.D. (if applicable):				
Analyzed for: TPH-G BTEX MTBE TPH-D		Other:				
D.O. (if req'd):	Pre-purge:		mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:		mV

## SHELL WELL MONITORING DATA SHEET

BTS #: 070605-SL-1	Site: 97565995
Sampler: SL, WW, TA	Date: 06/05/07
Well I.D.: MW-4	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 26.53	Depth to Water (DTW): 24.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.8	

Purge Method: Bailer       Water      Sampling Method:  Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
 Electric Submersible      Other \_\_\_\_\_      Dedicated Tubing

Other: \_\_\_\_\_

1.4 (Gals.) X	3 Specified Volumes	= 4.2 Gals. Calculated Volume																	
			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier																
1"	0.04	4"	0.65																
2"	0.16	6"	1.47																
3"	0.37	Other	radius <sup>2</sup> * 0.163																

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1015	65.6	6.14	975	959	1.4	cloudy
WELL DEWATERED AT 2 GAL.						2.8 <sub>low</sub> DTW - 25.42
1330	67.2	6.89	929	>1000	—	Grey

Did well dewater?  Yes    No      Gallons actually evacuated: 2

Sampling Date: 6/5/07    Sampling Time: 1330    Depth to Water: 24.40

Sample I.D.: MW-4      Laboratory: STL    Other: CAL Science

Analyzed for:  TPH-G     BTEX    MTBE     TPH-D    Other: OXYS

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_    Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## SHELL WELL MONITORING DATA SHEET

BTS #: 070605-SL1	Site: 97565995
Sampler: SL	Date: 6/5/07
Well I.D.: MW-5	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): 28.50	Depth to Water (DTW): 27.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 27.88	

Purge Method: - Bailer  
 Disposable Bailer  
 Positive Air Displacement  
 Electric Submersible

Waterra  
 Peristaltic  
 Extraction Pump  
 Other: \_\_\_\_\_

Sampling Method: (Bailer)  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing

Other: \_\_\_\_\_

$0.5 \text{ (Gals.)} \times 3 = 1.5 \text{ Gals.}$ I Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
1205	66.3	6.70	2009	674	—	pre-purge sample attempted to purge well → removed
						✓ 400ml before dewatering DTW - 28.20
1430						DTW - 28.15 unable to take post-purge sample due to lack of recharge
Did well dewater? <u>(Yes)</u> No			Gallons actually evacuated: < 1			
Sampling Date: 6/5/07    Sampling Time: 1205    Depth to Water: 28.20						
Sample I.D.: MW-5			Laboratory: STL    Other: <u>CA Science</u>			
Analyzed for: <u>(TPH-G)</u> <u>(BTEX)</u> <u>(MTBE)</u> <u>(TPH-D)</u> Other: <u>OXYS</u>						
EB I.D. (if applicable): _____ @ _____    Duplicate I.D. (if applicable): _____						
Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Other: _____						
D.O. (if req'd):	Pre-purge:		mg/l	Post-purge:		mg/l
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:		mV

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### SHELL WELL MONITORING DATA SHEET

BTS #: 070605-5L1	Site: 97565995
Sampler: SL	Date: 6/5/07
Well I.D.: MW-6	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 28.55	Depth to Water (DTW): 25.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.33	

Purge Method:  Bailer      Waterra      Sampling Method:  Bailer  
 Disposable Bailer       Peristaltic       Disposable Bailer  
 Positive Air Displacement       Extraction Pump       Extraction Port  
 Electric Submersible      Other: \_\_\_\_\_       Dedicated Tubing  
 Other: \_\_\_\_\_

$1.8 \text{ (Gals.)} \times 3 = 5.4 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1126	66.6	6.65	959.0	>1000	1.8	cloudy/brown
1132	65.7	6.9	972.0	>1000	3.6	" "
	Well dewatered at 3.6 gal					
1409	66.6	6.73	986.6	32	←	clear

Did well dewater?  Yes      No      Gallons actually evacuated: 3.6

Sampling Date: 6/5/07      Sampling Time: 1412      Depth to Water: 25.72

Sample I.D.: MW-6      Laboratory: STL      Other: CAL Science

Analyzed for: TPH-G BTEX MIBE TPH-D      Other: OXYS

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_      Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MIBE    TPH-D    Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

### SHELL WELL MONITORING DATA SHEET

BTS #: 070605-3L1	Site: 97565195
Sampler: SL	Date: 6/5/07
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 28.50	Depth to Water (DTW): dry
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer      Water      Sampling Method: Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
 Electric Submersible      Other      Dedicated Tubing

$\frac{\text{Gals.} \times \text{Multiplier}}{\text{Specified Volumes}} = \text{Gals.}$ <p>I Case Volume      Specified Volumes      Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						- well dry - unable to sample

Did well de-water?      Yes      No	Gallons actually evacuated:
Sampling Date:	Sampling Time:      Depth to Water:
Sample I.D.:	Laboratory: STL      Other:
Analyzed for: TPH-G      BTEX      MTBE      TPH-D      Other:	
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
Analyzed for: TPH-G      BTEX      MTBE      TPH-D      Other:	
D.O. (if req'd):      Pre-purge:      mg/L	Post-purge:      mg/L
O.R.P. (if req'd):      Pre-purge:      mV	Post-purge:      mV

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### SHELL WELL MONITORING DATA SHEET

BTS #: 070605-SL1	Site: 77565995
Sampler: SL, NW, TV	Date: 6/5/07
Well I.D.: MW-8	Well Diameter: 2 3 <b>(4)</b> 6 8
Total Well Depth (TD): 28.80	Depth to Water (DTW): 25.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <b>(PVO)</b> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.90	

Purge Method:  Bailer      Waterra      Sampling Method:  Bailer  
                    Disposable Bailer      Peristaltic       Disposable Bailer  
                    Positive Air Displacement      Extraction Pump       Extraction Port  
                    Electric Submersible      Other \_\_\_\_\_       Dedicated Tubing

Other:

<u>2.4</u> (Gals.) X	<u>3</u> Specified Volumes	<u>= 7.2</u> Gals. Calculated Volume	
1 Case Volume			

Well Diameter	Multplier	Well Diameter	Multplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.57	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
1044	65.9	7.01	944.0	817	2.4	cloudy/brown
1056	66.4	6.75	933.3	>1000	4.8	" "
1110	66.5	6.72	923.0	>1000	7.2	" "

Did well dewater? Yes  No  Gallons actually evacuated: 7.2

Sampling Date: 6/5/07      Sampling Time: 1350      Depth to Water: 25.32

Sample I.D.: MW-8      Laboratory: STL      Other: CAL Science

Analyzed for: **(TPH-G)** **(BTEX)** MTBE **(PH-D)** Other: OXY5

EB I.D. (if applicable): @ Time      Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	$\frac{mg}{L}$	Post-purge:	$\frac{mg}{L}$
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

### SHELL WELL MONITORING DATA SHEET

BTS #: 070605-SL 1	Site: 97565995
Sampler: SL	Date: 6/5/07
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 28.80	Depth to Water (DTW): 28.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~      Water      Sampling Method: ~~Bailer~~  
                   ~~Disposable Bailer~~      Peristaltic      ~~Disposable Bailer~~  
                   ~~Positive Air Displacement~~      Extraction Pump      ~~Extraction Port~~  
                   ~~Electric Submersible~~      Other \_\_\_\_\_      ~~Dedicated Tubing~~

(Gals.) X	Gals.
I Case Volume	Specified Volumes
=	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						Not enough water to sample or purge
						No Sample

Did well dewater?    Yes    No	Gallons actually evacuated:
Sampling Date:	Sampling Time:      Depth to Water:
Sample I.D.:	Laboratory:    STL    Other _____
Analyzed for:    TPH-G    BTEX    MTBE    TPH-D    Other:	
EB I.D. (if applicable):      @      time	Duplicate I.D. (if applicable):
Analyzed for:    TPH-G    BTEX    MTBE    TPH-D    Other:	
D.O. (if req'd):    Pre-purge:	Post-purge:
O.R.P. (if req'd):    Pre-purge:	Post-purge:

## SHELL WELL MONITORING DATA SHEET

BTS #: 070605-SLL	Site: 9756599.5
Sampler: SL	Date: 6/5/07
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 28.68	Depth to Water (DTW): 26.09
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (VVO) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.61	

Purge Method:  Bailer      Wateria      Sampling Method:  Bailer  
 Disposable Bailer       Peristaltic       Disposable Bailer  
 Positive Air Displacement       Extraction Pump       Extraction Port  
 Electric Submersible      Other: \_\_\_\_\_       Dedicated Tubing

TV	TV	
0.5 (1.7 Gals.) X 3	=	1.5 5.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multplier	Well Diameter	Multplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1147	66.5	6.7	970	>1000	1.7	odor, cloudy grey
1158	66.6	6.7	1000	>1000	3.4	" "
well dewatered @ 35 gal						
1425	68.6	6.7	985	802		cloudy

Did well dewater?  Yes    No    Gallons actually evacuated: 35

Sampling Date: 06/05/07    Sampling Time: 1425    Depth to Water: 26.14

Sample I.D.: MW-10    Laboratory: STL    Other: CAL SCIENCE

Analyzed for:  TPH-G     BTEX     MTBE     TPH-D    Other: OXYS

EB I.D. (if applicable): \_\_\_\_\_    Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

### SHELL WELL MONITORING DATA SHEET

BTS #: <u>070605-41</u>	Site: <u>97565995</u>
Sampler: <u>GL</u>	Date: <u>6/5/07</u>
Well I.D.: <u>MW-11</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth (TD): <u>28.49</u>	Depth to Water (DTW): <u>dry</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ Disposable Bailer Positive Air Displacement Electric Submersible  
 Water: ~~Peristaltic~~ Extraction Pump  
 Sampling Method: ~~Bailer~~ Disposable Bailer Extraction Port Dedicated Tubing  
 Other: \_\_\_\_\_

<u>        </u> (Gals.) X	=	<u>        </u> Gals.	
1 Case Volume	Specified Volumes	Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>Well dry → unable to sample</u>						

Did well dewater? Yes  No  Gallons actually evacuated: \_\_\_\_\_

Sampling Date: \_\_\_\_\_ Sampling Time: \_\_\_\_\_ Depth to Water: \_\_\_\_\_

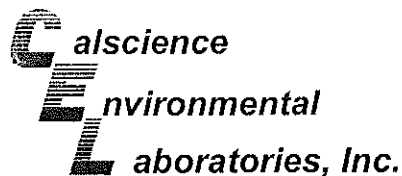
Sample I.D.: \_\_\_\_\_ Laboratory: STL Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:		mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:		mV



June 15, 2007

Michael Ninokata  
Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.: 07-06-0595**  
Client Reference: **8999 San Ramon Road, Dublin, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/8/2007 and analyzed in accordance with the attached chain-of-custody.

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

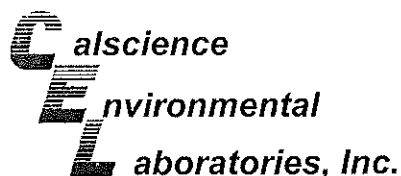
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Burley".

Calscience Environmental  
Laboratories, Inc.  
Don Burley  
Project Manager

A handwritten signature in black ink, appearing to read "Michael Ninokata".



## Analytical Report



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: 06/08/07  
Work Order No: 07-06-0595  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: 8999 San Ramon Road, Dublin, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	07-06-0595-1	06/05/07	Aqueous	GC 3	06/11/07	06/12/07	070611B01

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	230	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	81	68-140			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	07-06-0595-2	06/05/07	Aqueous	GC 3	06/11/07	06/12/07	070611B01

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	97	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	112	68-140			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-10	07-06-0595-3	06/05/07	Aqueous	GC 3	06/11/07	06/12/07	070611B01

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

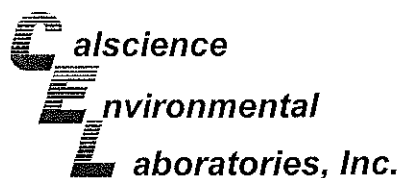
Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	150	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	100	68-140			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-06-0595-4	06/05/07	Aqueous	GC 3	06/11/07	06/12/07	070611B01

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.  
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	2200	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
Decachlorobiphenyl	117	68-140			

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



## Analytical Report



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: 06/08/07  
Work Order No: 07-06-0595  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: 8999 San Ramon Road, Dublin, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-8	07-06-0595-5	06/05/07	Aqueous	GC 3	06/11/07	06/12/07	070611B01

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	120	50	1		ug/L
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>		<b>Qual</b>	
Decachlorobiphenyl	111	68-140			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	07-06-0595-6	06/05/07	Aqueous	GC 3	06/11/07	06/12/07	070611B01

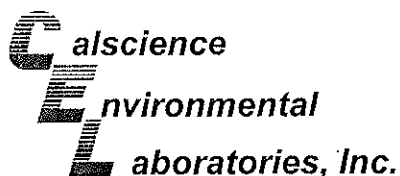
Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	120	50	1		ug/L
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>		<b>Qual</b>	
Decachlorobiphenyl	102	68-140			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-330-226	N/A	Aqueous	GC 3	06/11/07	06/11/07	070611B01

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1		ug/L
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>		<b>Qual</b>	
Decachlorobiphenyl	101	68-140			

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



## Analytical Report



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: 06/08/07  
Work Order No: 07-06-0595  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 8999 San Ramon Road, Dublin, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	07-06-0595-1	06/05/07	Aqueous	GC 11	06/08/07	06/08/07	070608B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	84	38-134			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	07-06-0595-2	06/05/07	Aqueous	GC 11	06/08/07	06/08/07	070608B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	82	38-134			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-10	07-06-0595-3	06/05/07	Aqueous	GC 11	06/08/07	06/08/07	070608B01

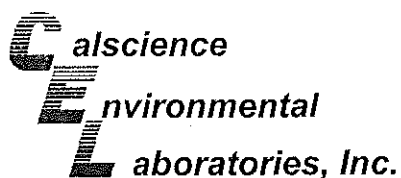
Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	82	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	84	38-134			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-06-0595-4	06/05/07	Aqueous	GC 11	06/08/07	06/09/07	070608B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	82	38-134			

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





## Analytical Report



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: 06/08/07  
Work Order No: 07-06-0595  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: 8999 San Ramon Road, Dublin, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-8	07-06-0595-5	06/05/07	Aqueous	GC 11	06/08/07	06/09/07	070608B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	82	38-134			

MW-4	07-06-0595-6	06/05/07	Aqueous	GC 11	06/08/07	06/09/07	070608B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	62	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	84	38-134			

Method Blank	099-12-436-542	N/A	Aqueous	GC 11	06/08/07	06/08/07	070608B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	74	38-134			

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

## Analytical Report



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: 06/08/07  
Work Order No: 07-06-0595  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 8999 San Ramon Road, Dublin, CA

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	07-06-0595-1	06/05/07	Aqueous	GC/MS FF	06/13/07	06/13/07	070613L01

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

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	0.38	1.0	0.23	1	J
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	102	74-140				1,2-Dichloroethane-d4	102	74-146			
Toluene-d8	99	88-112				1,4-Bromofluorobenzene	95	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	07-06-0595-2	06/05/07	Aqueous	GC/MS FF	06/13/07	06/13/07	070613L01

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

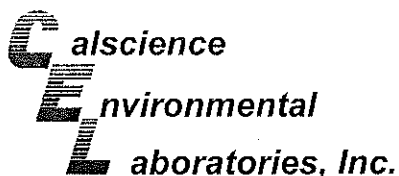
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	1.1	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	100	74-140				1,2-Dichloroethane-d4	101	74-146			
Toluene-d8	98	88-112				1,4-Bromofluorobenzene	95	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-10	07-06-0595-3	06/05/07	Aqueous	GC/MS FF	06/13/07	06/13/07	070613L01

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

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	1.3	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	540	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	Control Limits			Qual
Dibromofluoromethane	101	74-140				1,2-Dichloroethane-d4	100	74-146			
Toluene-d8	99	88-112				1,4-Bromofluorobenzene	96	74-110			

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



## Analytical Report



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: 06/08/07  
Work Order No: 07-06-0595  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 8999 San Ramon Road, Dublin, CA

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-06-0595-4	06/05/07	Aqueous	GC/MS FF	06/13/07	06/14/07	070613L02

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

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	0.56	1.0	0.23	1	J
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>			<b>Qual</b>	<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>			<b>Qual</b>
Dibromofluoromethane	100	74-140				1,2-Dichloroethane-d4	99	74-146			
Toluene-d8	99	88-112				1,4-Bromofluorobenzene	94	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-8	07-06-0595-5	06/05/07	Aqueous	GC/MS FF	06/13/07	06/14/07	070613L02

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

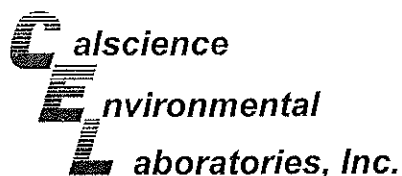
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	0.48	1.0	0.23	1	J
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	290	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>			<b>Qual</b>	<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>			<b>Qual</b>
Dibromofluoromethane	103	74-140				1,2-Dichloroethane-d4	103	74-146			
Toluene-d8	99	88-112				1,4-Bromofluorobenzene	94	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	07-06-0595-6	06/05/07	Aqueous	GC/MS FF	06/13/07	06/14/07	070613L02

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

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	1.4	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>			<b>Qual</b>	<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>			<b>Qual</b>
Dibromofluoromethane	102	74-140				1,2-Dichloroethane-d4	101	74-146			
Toluene-d8	99	88-112				1,4-Bromofluorobenzene	94	74-110			

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



## Analytical Report



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: 06/08/07  
Work Order No: 07-06-0595  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: 8999 San Ramon Road, Dublin, CA

Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-006-21,717	N/A	Aqueous	GC/MS FF	06/13/07	06/13/07	070613L01

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

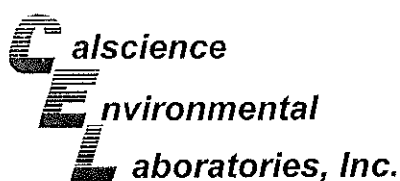
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual		Surrogates:	REC (%)	Control Limits		Qual	
Dibromofluoromethane	98	74-140				1,2-Dichloroethane-d4	100	74-146			
Toluene-d8	98	88-112				1,4-Bromofluorobenzene	95	74-110			

Method Blank	099-10-006-21,726	N/A	Aqueous	GC/MS FF	06/13/07	06/14/07	070613L02
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Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual		Surrogates:	REC (%)	Control Limits		Qual	
Dibromofluoromethane	105	74-140				1,2-Dichloroethane-d4	104	74-146			
Toluene-d8	99	88-112				1,4-Bromofluorobenzene	95	74-110			

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



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

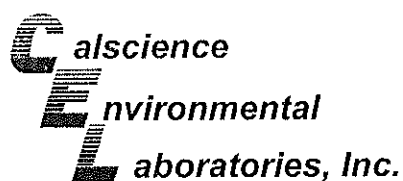
Date Received: 06/08/07  
Work Order No: 07-06-0595  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-06-0597-5	Aqueous	GC 11	06/08/07	06/08/07	070608S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	107	104	68-122	2	0-18	

RPD - Relative Percent Difference, CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

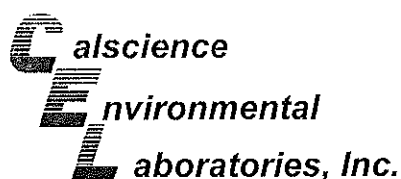
Date Received: 06/08/07  
Work Order No: 07-06-0595  
Preparation: EPA 5030B  
Method: EPA 8260B

Project 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-06-0597-1	Aqueous	GC/MS FF	06/13/07	06/13/07	070613S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	98	88-118	1	0-7	
Carbon Tetrachloride	111	108	67-145	3	0-11	
Chlorobenzene	100	100	88-118	1	0-7	
1,2-Dichlorobenzene	96	98	86-116	2	0-8	
1,1-Dichloroethene	99	101	70-130	2	0-25	
Toluene	101	101	87-123	0	0-8	
Trichloroethene	117	99	79-127	16	0-10	4
Vinyl Chloride	89	88	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	98	101	71-131	4	0-13	
Tert-Butyl Alcohol (TBA)	102	108	36-168	6	0-45	
Diisopropyl Ether (DIPE)	101	100	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	98	98	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	99	72-126	2	0-12	
Ethanol	97	101	53-149	4	0-31	

RPD - Relative Percent Difference, CL - Control Limit



## Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

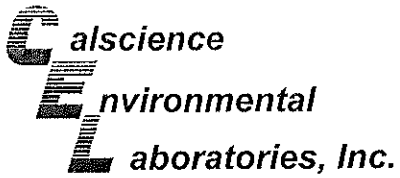
Date Received: 06/08/07  
Work Order No: 07-06-0595  
Preparation: EPA 5030B  
Method: EPA 8260B

Project 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-06-0597-2	Aqueous	GC/MS FF	06/13/07	06/14/07	070613S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	97	88-118	1	0-7	
Carbon Tetrachloride	96	98	67-145	2	0-11	
Chlorobenzene	101	100	88-118	1	0-7	
1,2-Dichlorobenzene	97	97	86-116	0	0-8	
1,1-Dichloroethene	96	98	70-130	2	0-25	
Toluene	100	99	87-123	1	0-8	
Trichloroethene	94	94	79-127	0	0-10	
Vinyl Chloride	93	94	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	89	93	71-131	4	0-13	
Tert-Butyl Alcohol (TBA)	80	88	36-168	9	0-45	
Diisopropyl Ether (DIPE)	97	97	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	93	93	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	92	94	72-126	2	0-12	
Ethanol	74	79	53-149	7	0-31	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.  
 1680 Rogers Avenue  
 San Jose, CA 95112-1105

Date Received: N/A  
 Work Order No: 07-06-0595  
 Preparation: EPA 3510C  
 Method: EPA 8015B (M)

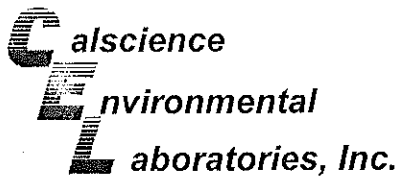
Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-330-226	Aqueous	GC 3	06/11/07	06/11/07	070611B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	96	96	75-117	0	0-13	

RPD - Relative Percent Difference, CL - Control Limit





Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.  
 1680 Rogers Avenue  
 San Jose, CA 95112-1105

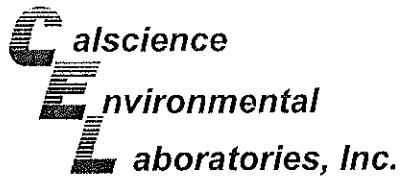
Date Received: N/A  
 Work Order No: 07-06-0595  
 Preparation: EPA 5030B  
 Method: EPA 8015B (M)

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-542	Aqueous	GC 11	06/08/07	06/08/07	070608B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	101	101	78-120	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

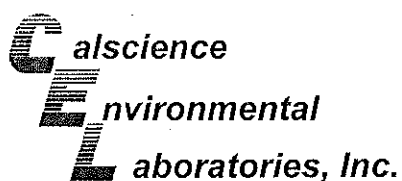
Date Received: N/A  
Work Order No: 07-06-0595  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-21,717	Aqueous	GC/MS FF	06/13/07	06/13/07	070613L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	98	84-120	0	0-8	
Carbon Tetrachloride	100	100	63-147	0	0-10	
Chlorobenzene	99	100	89-119	0	0-7	
1,2-Dichlorobenzene	97	98	89-119	1	0-9	
1,1-Dichloroethene	103	98	77-125	5	0-16	
Toluene	99	98	83-125	1	0-9	
Trichloroethene	94	95	89-119	1	0-8	
Vinyl Chloride	97	96	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	102	101	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	107	112	46-154	5	0-32	
Diisopropyl Ether (DIPE)	101	102	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	99	101	74-122	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	100	76-124	1	0-10	
Ethanol	96	104	60-138	9	0-32	

RPD - Relative Percent Difference, CL - Control Limit



## Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.  
1680 Rogers Avenue  
San Jose, CA 95112-1105

Date Received: N/A  
Work Order No: 07-06-0595  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-21,726	Aqueous	GC/MS FF	06/13/07	06/13/07	070613L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	98	84-120	0	0-8	
Carbon Tetrachloride	102	102	63-147	0	0-10	
Chlorobenzene	100	100	89-119	1	0-7	
1,2-Dichlorobenzene	98	99	89-119	0	0-9	
1,1-Dichloroethene	103	102	77-125	1	0-16	
Toluene	100	100	83-125	0	0-9	
Trichloroethene	95	96	89-119	1	0-8	
Vinyl Chloride	98	97	63-135	0	0-13	
Methyl-t-Butyl Ether (MTBE)	98	101	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	94	98	46-154	5	0-32	
Diisopropyl Ether (DIPE)	101	102	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	97	99	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	96	100	76-124	4	0-10	
Ethanol	88	88	60-138	0	0-32	

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 07-06-0595

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

LAB:  
 TA - Irvine, California  
 TA - Morgan Hill, California  
 TA - Sacramento, California  
 TA - Nashville, Tennessee  
 CalScience  
 Other: \_\_\_\_\_



# SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown

INCIDENT # (ES ONLY): 9 7 5 6 5 9 9 5

ENVIRONMENTAL SERVICES       CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

NETWORK DEV / FE       BILL CONSULTANT

COMPLIANCE       RMT/CRMT

DATE: 6/5/07  
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services      LOG CODE: BTSS

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata

TELEPHONE: 408-573-0555      FAX: 408-573-7771      E-MAIL: mninokata@blainetech.com

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):  STD    5 DAY    3 DAY    2 DAY    24 HOURS    RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT    UST AGENCY: \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES:  EDD NOT NEEDED    SHELL CONTRACT RATE APPLIES    STATE REIMB RATE APPLIES    RECEIPT VERIFICATION REQUESTED

\*Run TPHd with Silica Gel Clean up

CC Lee Dooley [ldooley@deltaenv.com](mailto:ldooley@deltaenv.com) and Eric Frohnapple [efrohnapple@deltaenv.com](mailto:efrohnapple@deltaenv.com) when sending final report.

SITE ADDRESS: 8999 San Ramon Road, Dublin CA 94568

EDF DELIVERABLE TO (Name, Company, Office Location): Jon Suing, Delta, Monrovia Office      PHONE NO.: 626.256.6662      E-MAIL: jsuing@deltaenv.com

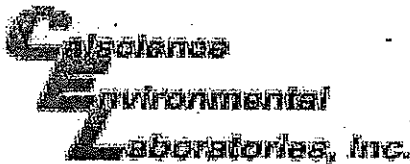
SAMPLER NAME(S) (Print): Tony Vega & Will Wong

CONSULTANT PROJECT NO.: 070605-5L3      BTS #

REQUESTED ANALYSIS: 06-0595

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	*TPH - Diesel, Extractable (8015M)	BTEX (8280B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)						FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	TEMPERATURE ON RECEIPT C°
		DATE	TIME																						
	MW-3	6/5/07	1230	W	7	X	X	X	X																
	MW-6		1412	W	7	X	X	X	X																
	MW-10		1425	W	7	X	X	X	X																
	MW-5		1205	W	7	X	X	X	X																
	MW-8		1350	W	7	X	X	X	X																
	MW-4	↓	1330	W	7	X	X	X	X																

Relinquished by: (Signature) Tony Vega	Received by: (Signature) Tony Vega	Date: 6/5/07	Time: 1500
Relinquished by: (Signature) [Signature] (Sample Custodian)	Received by: (Signature) Marisela Rivera	Date: 6/6/07	Time: 1535
Relinquished by: (Signature) [Signature]	Received by: (Signature) [Signature]	Date: 6/8/07	Time: 0900



WORK ORDER #: 07 - 06 - 0595

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blainetech

DATE: 6/8/07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
C Temperature blank.

LABORATORY (Other than Calscience Courier):

- C Temperature blank.
4.9 C IR thermometer.
Ambient temperature.

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact): Not Present: [checked]

Initial: JP

SAMPLE CONDITION:

Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: JP

COMMENTS:

Blank lines for handwritten comments.