

April 13, 2009  
DELTA Project No. SCA119891A  
SAP No. 135243

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

**RECEIVED**

2:15 pm, Apr 14, 2009

Alameda County  
Environmental Health

**Re: FIRST QUARTER 2009 SEMI-ANNUAL GROUNDWATER  
MONITORING REPORT  
Shell-Branded Service Station  
11989 Dublin Boulevard  
Dublin, California**



Dear Mr. Wickham:

On behalf of Shell Oil Products US (SHELL), Delta Consultants (DELTA) has prepared this *First Quarter 2009 Semi-Annual Groundwater Monitoring Report* for the above referenced site. The sampling activities at the site were performed by Blaine Tech Services, Inc. under contract to SHELL and included the collection of groundwater samples and static water level measurements. A DELTA staff member, under the supervision of a California Registered Civil Engineer or a California Professional Geologist, performed the data evaluation.

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.

Mr. Jerry Wickham  
Alameda County Health Care Services Agency  
April 13, 2009  
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If you have any questions regarding this site, please contact Ms. Regina Bussard (DELTA Site Manager) at (408) 826-1880 or Mr. Denis Brown (SHELL Project Manager) at (707) 865-0251.

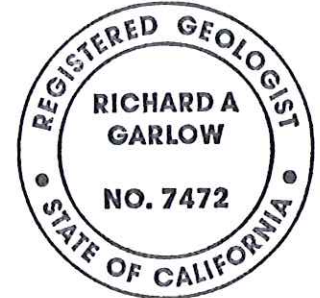
Sincerely,  
**Delta Consultants**



Regina Bussard, P.G.  
Project Manager



Richard A. Garlow, M.S., P.G.  
Project Specialist



Attachment: First Quarter 2009 Groundwater Monitoring Report

cc: Denis Brown, Shell Oil Products US, Carson  
Matt Katen, Zone 7 Water District, Livermore  
Richard Hudson, Hudson Investment Properties L.L.C.

## SHELL SEMI-ANNUAL STATUS REPORT

|                                     |  |
|-------------------------------------|--|
| Station Address:                    | 11989 Dublin Boulevard, Dublin, California                                   |
| DELTA Project No.:                  | SCA119891A   |
| SHELL Project Manager / Phone No.:  | Denis Brown / (707) 865-0251   |
| DELTA Site Manager / Phone No.:     | Regina Bussard / (408) 826-1876  |
| Primary Agency / Regulatory ID No.: | Alameda County Health Care Services Agency /<br>Mr. Jerry Wickham, P.G., CHG |
| Other Agencies to Receive Copies:   | Zone 7 Water District / Matt Katen   |

### WORK PERFORMED THIS QUARTER (FIRST – 2009):

1. Semi-annual groundwater monitoring and sampling. Submitted semi-annual report.

### WORK PROPOSED FOR NEXT SEMI-ANNUAL EVENT (THIRD – 2009):

1. Semi-annual groundwater monitoring and sampling. Submit semi-annual report.

|   |  |
|---|--|
| Current Phase of Project:                                 | Groundwater monitoring.  |
| Site Use:   | Shell-branded Service Station  |
| Frequency of Sampling:                                    | Semi-annual (Wells MW-2 through MW-7)  |
| Frequency of Monitoring:                                  | Semi-annual (Wells MW-2 through MW-7)  |
| Is Separate Phase Hydrocarbon Present On-site (Well #'s): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |
| Cumulative SPH Recovered to Date:                         | NA   |
| SPH Recovered This Quarter :                              | None   |
| Groundwater Removed This Quarter:                         | 90.1 gallons were removed on January 5, 2009   |
| Sensitive Receptor(s) and Respective Direction(s):        | Dublin Creek is located approximately 538 feet south of the site.  |
| Site Lithology:   | Site is generally underlain by approximately 60 feet of clay and silt with some discontinuous beds of clayey sand, silty sand and silty gravel between approximately 20 to 40 feet below the surface. Beneath this is approximately 15 feet of sand and gravel which over lies clay and silt to 80 feet, the depth explored. |
| Current Remediation Techniques:                           | None   |
| Permits for Discharge:                                    | None   |
| Approximate Depth to Groundwater:                         | 17.71 to 31.86 feet below top of well casing   |
| Groundwater Gradient:                                     | East-northeast at a gradient of 0.02 ft/ft, consistent with previous data  |
| Current Agency Correspondence:                            | E-mail from ACHCSA on January 8, 2009, approving reduction of monitoring from quarterly to semi-annually.  |
| Date of Most Recent Work Plan Approval:                   | August 30, 2006  |

## SHELL SEMI-ANNUAL STATUS REPORT (CONT.)

### Site History:

|                              |                     |
|------------------------------|---------------------|
| Case Opening                 | 1999                |
| Onsite Assessment            | 8/98 – 6/99         |
| Offsite Assessment           | 2001 - 2005         |
| Passive Remediation          | Natural attenuation |
| Active Remediation           | None                |
| Closure                      | None                |
| Summary of Unusual Activity: | None                |

### ATTACHMENTS:

#### Table:

Table 1 – Well Concentrations

#### Figures:

Figure 1 – Site Location Map

Figure 2 – Groundwater Elevation Contour Map

Figure 3 – Groundwater Hydrocarbon Distribution Map

#### Appendices:

Appendix A – Blaine Tech Services, Inc. Field Data Sheets

Appendix B – Blaine Tech Services, Inc. Field Procedures

Appendix C – Laboratory Report and Chain-of-Custody Documentation

## TABLE

**TABLE 1**  
**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**11989 Dublin Boulevard**  
**Dublin, CA**

| Well ID | Date       | TPPH<br>(ug/L) | TEPH<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>8020<br>(ug/L) | MTBE<br>8260<br>(ug/L) | DIPE<br>(ug/L) | ETBE<br>(ug/L) | TAME<br>(ug/L) | TBA<br>(ug/L) | Ethanol<br>(ug/L) | TOC<br>(MSL) | Depth to<br>Water<br>(ft.) | GW<br>Elevation<br>(MSL) | DO<br>Reading<br>(ppm) |
|---------|------------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|
| MW-1    | 7/20/1999  | <50.0          | <50.0          | <0.500      | <0.500      | <0.500      | <0.500      | <5.00                  | NA                     | NA             | NA             | NA             | NA            | NA                | 367.99       | 6.24                       | 361.75                   | NA                     |
| MW-1    | 10/25/1999 | <50.0          | <50.0          | <0.500      | <0.500      | <0.500      | <0.500      | <5.00                  | NA                     | NA             | NA             | NA             | NA            | NA                | 367.99       | 6.36                       | 361.63                   | NA                     |
| MW-1    | 1/27/2000  | <50.0          | <50.0          | <0.500      | <0.500      | <0.500      | <0.500      | <2.50                  | NA                     | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.65                       | 362.34                   | NA                     |
| MW-1    | 4/3/2000   | <50.0          | <50.0          | <0.500      | <0.500      | <0.500      | <0.500      | <2.50                  | NA                     | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.68                       | 362.31                   | 1.2/1.6                |
| MW-1    | 7/27/2000  | <50.0          | NA             | <0.500      | <0.500      | <0.500      | <0.500      | <2.50                  | NA                     | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.69                       | 362.30                   | 1.0/1.1                |
| MW-1    | 10/16/2000 | <50.0          | NA             | <0.500      | <0.500      | <0.500      | <0.500      | <2.50                  | NA                     | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.74                       | 362.25                   | 1.2/0.8                |
| MW-1    | 1/16/2001  | <50.0          | NA             | <0.500      | <0.500      | <0.500      | <0.500      | <2.50                  | NA                     | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.71                       | 362.28                   | 0.59/2.8               |
| MW-1    | 4/19/2001  | <50.0          | NA             | <0.500      | <0.500      | <0.500      | <0.500      | <2.50                  | NA                     | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.63                       | 362.36                   | 1.4/1.5                |
| MW-1    | 7/13/2001  | <50            | NA             | <0.50       | <0.50       | <0.50       | <0.50       | NA                     | <5.0                   | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.70                       | 362.29                   | 2.3/3.1                |
| MW-1    | 8/13/2001  | NA             | NA             | NA          | NA          | NA          | NA          | NA                     | NA                     | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.72                       | 362.27                   | NA                     |
| MW-1    | 10/26/2001 | <50            | NA             | <0.50       | <0.50       | <0.50       | <0.50       | NA                     | <5.0                   | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.73                       | 362.26                   | 0.4/0.0                |
| MW-1    | 1/11/2002  | <50            | NA             | <0.50       | <0.50       | <0.50       | <0.50       | NA                     | <5.0                   | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.55                       | 362.44                   | 5.4/2.0                |
| MW-1    | 5/22/2002  | <50            | NA             | <0.50       | <0.50       | <0.50       | <0.50       | NA                     | <5.0                   | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.55                       | 362.44                   | NA                     |
| MW-1    | 7/15/2002  | <50            | NA             | <0.50       | <0.50       | <0.50       | <0.50       | NA                     | <5.0                   | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.70                       | 362.29                   | NA                     |
| MW-1    | 10/11/2002 | <50            | NA             | <0.50       | <0.50       | <0.50       | <0.50       | NA                     | <5.0                   | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.87                       | 362.12                   | NA                     |
| MW-1    | 1/17/2003  | <50            | NA             | <0.50       | <0.50       | <0.50       | <0.50       | NA                     | <5.0                   | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.79                       | 362.20                   | NA                     |
| MW-1    | 5/1/2003   | 52             | NA             | <0.50       | <0.50       | <0.50       | <1.0        | NA                     | <5.0                   | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.61                       | 362.38                   | NA                     |
| MW-1    | 8/27/2003  | <50            | NA             | <0.50       | <0.50       | <0.50       | <1.0        | NA                     | <0.50                  | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.84                       | 362.15                   | NA                     |
| MW-1    | 10/3/2003  | <50            | NA             | <0.50       | <0.50       | <0.50       | <1.0        | NA                     | <0.50                  | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.95                       | 362.04                   | NA                     |
| MW-1    | 1/5/2004   | <50            | NA             | <0.50       | <0.50       | <0.50       | <1.0        | NA                     | <0.50                  | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.66                       | 362.33                   | NA                     |
| MW-1    | 4/9/2004   | <50            | NA             | <0.50       | <0.50       | <0.50       | <1.0        | NA                     | <0.50                  | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.55                       | 362.44                   | NA                     |
| MW-1    | 7/22/2004  | <50            | NA             | <0.50       | <0.50       | <0.50       | <1.0        | NA                     | <0.50                  | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.73                       | 362.26                   | NA                     |
| MW-1    | 11/1/2004  | <50            | NA             | <0.50       | <0.50       | <0.50       | <1.0        | NA                     | <0.50                  | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.73                       | 362.26                   | NA                     |
| MW-1    | 1/26/2005  | <50            | NA             | <0.50       | <0.50       | <0.50       | <1.0        | NA                     | <0.50                  | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.50                       | 362.49                   | NA                     |
| MW-1    | 4/14/2005  | <50            | NA             | <0.50       | <0.50       | <0.50       | <1.0        | NA                     | <0.50                  | NA             | NA             | NA             | NA            | NA                | 367.99       | 5.60                       | 362.39                   | NA                     |
| MW-1    | 7/21/2005  | <50            | NA             | <0.50       | <0.50       | <0.50       | <1.0        | NA                     | <0.50                  | NA             | NA             | NA             | NA            | NA                | 367.99       | 6.14                       | 361.85                   | NA                     |
| MW-1    | 11/8/2005  | <50.0          | NA             | <0.500      | <0.500      | <0.500      | <0.500      | NA                     | <0.500                 | <0.500         | <0.500         | <0.500         | <10.0         | NA                | 367.99       | 6.33                       | 361.66                   | NA                     |
| MW-2    | 7/20/1999  | 2,600          | 699            | 55.0        | <2.50       | 59.5        | <2.50       | 9,370                  | NA                     | NA             | NA             | NA             | NA            | NA                | 365.43       | 20.31                      | 345.12                   | NA                     |

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**11989 Dublin Boulevard**  
**Dublin, CA**

| Well ID | Date       | TPPH<br>(ug/L) | TEPH<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>8020<br>(ug/L) | MTBE<br>8260<br>(ug/L) | DIPE<br>(ug/L) | ETBE<br>(ug/L) | TAME<br>(ug/L) | TBA<br>(ug/L) | Ethanol<br>(ug/L) | TOC<br>(MSL) | Depth to<br>Water<br>(ft.) | GW<br>Elevation<br>(MSL) | DO<br>Reading<br>(ppm) |
|---------|------------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|
| MW-2    | 10/25/1999 | 4,710          | 761            | 61.1        | <10.0       | 74.6        | <10.0       | 22,800                 | NA                     | NA             | NA             | NA             | NA            | NA                | 365.43       | 22.80                      | 342.63                   | NA                     |
| MW-2    | 1/27/2000  | 3,820          | 1490           | 60.8        | <10.0       | 156         | <10.0       | 13,400                 | 15,000 a               | NA             | NA             | NA             | NA            | NA                | 365.43       | 19.17                      | 346.26                   | NA                     |
| MW-2    | 4/3/2000   | 7,130          | NA             | 184         | 14.9        | 238         | 18.8        | 34,200                 | 28,000                 | NA             | NA             | NA             | NA            | NA                | 365.43       | 19.03                      | 346.40                   | 1.6/1.7                |
| MW-2    | 7/27/2000  | 311            | NA             | 10.0        | <0.500      | <0.500      | <0.500      | 280                    | NA                     | NA             | NA             | NA             | NA            | NA                | 365.43       | 19.09                      | 346.34                   | 1.9/1.7                |
| MW-2    | 10/16/2000 | 3,970          | NA             | 123         | <5.00       | 68.5        | <5.00       | 14,000                 | 15,600                 | NA             | NA             | NA             | NA            | NA                | 365.43       | 23.98                      | 341.45                   | 0.5/0.5                |
| MW-2    | 1/16/2001  | 5,780          | NA             | 125         | 9.71        | 139         | 6.93        | 7,660                  | 7,810                  | NA             | NA             | NA             | NA            | NA                | 365.43       | 22.12                      | 343.31                   | 0.90/2.61              |
| MW-2    | 4/19/2001  | 4,460          | NA             | 114         | 7.61        | 115         | 4.87        | 15,200                 | 18,400                 | NA             | NA             | NA             | NA            | NA                | 365.43       | 20.95                      | 344.48                   | 1.6/1.5                |
| MW-2    | 7/13/2001  | <5,000         | NA             | <25         | <25         | 110         | <25         | NA                     | 15,000                 | NA             | NA             | NA             | NA            | NA                | 365.43       | 22.62                      | 342.81                   | 2.7/1.8                |
| MW-2    | 8/13/2001  | NA             | NA             | NA          | NA          | NA          | NA          | NA                     | NA                     | NA             | NA             | NA             | NA            | NA                | 365.43       | 22.33                      | 343.10                   | NA                     |
| MW-2    | 10/26/2001 | 3,700          | NA             | <20         | <20         | 66          | <20         | NA                     | 9,200                  | <20            | <20            | <20            | 1,800         | <500              | 365.43       | 22.32                      | 343.11                   | 0.7/0.8                |
| MW-2    | 1/11/2002  | <5,000         | NA             | <50         | <50         | 54          | <50         | NA                     | 15,000                 | NA             | NA             | NA             | NA            | NA                | 365.43       | 18.72                      | 346.71                   | 5.1/c                  |
| MW-2    | 5/22/2002  | <5,000         | NA             | 53          | <50         | 57          | <50         | NA                     | 20,000                 | <50            | <50            | <50            | 6,300         | NA                | 365.43       | 20.59                      | 344.84                   | NA                     |
| MW-2    | 7/15/2002  | <5,000         | NA             | <50         | <50         | <50         | <50         | NA                     | 16,000                 | <50            | <50            | <50            | 3,100         | NA                | 365.43       | 21.90                      | 343.53                   | NA                     |
| MW-2    | 10/11/2002 | 3,600          | NA             | <20         | <20         | 48          | <20         | NA                     | 8,200                  | <20            | <20            | <20            | 1,600         | NA                | 365.43       | 22.45                      | 342.98                   | NA                     |
| MW-2    | 1/17/2003  | 4,700          | NA             | <25         | <25         | 87          | <25         | NA                     | 13,000                 | <25            | <25            | <25            | 7,700         | NA                | 365.43       | 19.27                      | 346.16                   | NA                     |
| MW-2    | 5/1/2003   | 6,000          | NA             | <50         | <50         | 110         | <100        | NA                     | 12,000                 | <200           | <200           | <200           | 6,700         | NA                | 365.43       | 19.09                      | 346.34                   | NA                     |
| MW-2    | 8/27/2003  | 2,500          | NA             | 32          | <25         | 100         | <50         | NA                     | 4,800                  | <100           | <100           | <100           | 9,100         | NA                | 365.43       | 22.53                      | 342.90                   | NA                     |
| MW-2    | 10/3/2003  | 5,500 d        | NA             | 32          | <13         | 86          | <25         | NA                     | 2,200                  | <50            | <50            | <50            | 9,900         | NA                | 365.43       | 23.02                      | 342.41                   | NA                     |
| MW-2    | 1/5/2004   | 6,500          | NA             | 22          | <13         | 58          | <25         | NA                     | 1,200                  | <50            | <50            | <50            | 7,400         | NA                | 365.43       | 19.08                      | 346.35                   | NA                     |
| MW-2    | 4/9/2004   | 6,500          | NA             | 72          | <13         | 30          | <25         | NA                     | 1,600                  | <50            | <50            | <50            | 11,000        | NA                | 365.43       | 20.22                      | 345.21                   | NA                     |
| MW-2    | 7/22/2004  | 4,900          | NA             | 32          | <13         | 19          | <25         | NA                     | 180                    | <50            | <50            | <50            | 7,100         | NA                | 365.43       | 22.14                      | 343.29                   | NA                     |
| MW-2    | 11/1/2004  | 5,700          | NA             | 42          | <13         | 13          | <25         | NA                     | 190                    | <50            | <50            | <50            | 6,100         | NA                | 365.43       | 20.72                      | 344.71                   | NA                     |
| MW-2    | 1/26/2005  | 6,600          | NA             | 94          | <13         | 13          | <25         | NA                     | 1,700                  | <50            | <50            | <50            | 16,000        | NA                | 365.43       | 17.95                      | 347.48                   | NA                     |
| MW-2    | 4/14/2005  | 8,200          | NA             | 170         | <10         | 92          | <20         | NA                     | 1,300                  | <40            | <40            | <40            | 15,000        | NA                | 365.43       | 18.10                      | 347.33                   | NA                     |
| MW-2    | 7/21/2005  | 4,100          | NA             | 23          | <10         | 13          | <20         | NA                     | 96                     | <40            | <40            | <40            | 4,600         | NA                | 365.43       | 22.72                      | 342.71                   | NA                     |
| MW-2    | 11/8/2005  | 1,290          | NA             | 1.66        | 0.990       | 2.56        | 1.25        | NA                     | 11.9                   | <0.500         | <0.500         | <0.500         | 428           | NA                | 365.43       | 21.77                      | 343.66                   | NA                     |
| MW-2    | 1/6/2006   | 6,650          | NA             | <0.500      | <0.500      | 2.69        | <0.500      | NA                     | 9.23 g                 | <0.500         | <0.500         | <0.500         | 1,300 g       | NA                | 365.43       | 18.94                      | 346.49                   | NA                     |
| MW-2    | 4/19/2006  | 5,490          | NA             | 3.58        | 0.890       | 4.32        | <0.500      | NA                     | 19.0                   | <0.500         | <0.500         | <0.500         | 1,040         | NA                | 365.43       | 18.34                      | 347.09                   | NA                     |
| MW-2    | 7/26/2006  | 4,990          | NA             | <0.500      | <0.500      | <0.500      | <0.500      | NA                     | 4.66                   | NA             | NA             | NA             | 353           | NA                | 365.43       | 22.53                      | 342.90                   | NA                     |
| MW-2    | 10/27/2006 | 2,900          | NA             | <0.50       | <0.50       | <0.50       | 1.2         | NA                     | <0.50                  | <2.0           | <2.0           | <2.0           | 270           | NA                | 365.43       | 23.08                      | 342.35                   | NA                     |

**TABLE 1**  
**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**11989 Dublin Boulevard**  
**Dublin, CA**

| Well ID | Date | TPPH<br>(ug/L) | TEPH<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>8020<br>(ug/L) | MTBE<br>8260<br>(ug/L) | DIPE<br>(ug/L) | ETBE<br>(ug/L) | TAME<br>(ug/L) | TBA<br>(ug/L) | Ethanol<br>(ug/L) | TOC<br>(MSL) | Depth to<br>Water<br>(ft.) | GW<br>Elevation<br>(MSL) | DO<br>Reading<br>(ppm) |
|---------|------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|

|             |                 |              |           |                 |                |                |                |           |            |           |           |           |            |           |               |              |               |           |
|-------------|-----------------|--------------|-----------|-----------------|----------------|----------------|----------------|-----------|------------|-----------|-----------|-----------|------------|-----------|---------------|--------------|---------------|-----------|
| MW-2        | 1/19/2007       | 1,700        | NA        | <0.50           | 0.72           | <0.50          | <0.50          | NA        | <0.50      | NA        | NA        | NA        | 280        | NA        | 365.43        | 18.91        | 346.52        | NA        |
| MW-2        | 4/3/2007        | 2,100 h,i    | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0       | NA        | NA        | NA        | 120        | NA        | 365.43        | 19.37        | 346.06        | NA        |
| MW-2        | 7/6/2007        | 2,000 h,i    | NA        | <0.50           | <1.0           | 0.90 j         | 7.72 j         | NA        | <1.0       | NA        | NA        | NA        | 29         | NA        | 365.43        | 21.24        | 344.19        | NA        |
| MW-2        | 10/30/2007      | 2,100 h      | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0       | <2.0      | <2.0      | <2.0      | 30         | NA        | 365.43        | 21.38        | 344.05        | NA        |
| MW-2        | 1/10/2008       | 2,200 h,i    | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0       | NA        | NA        | NA        | 72         | NA        | 365.43        | 17.95        | 347.48        | NA        |
| MW-2        | 4/24/2008       | 2,700        | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0       | NA        | NA        | NA        | 22         | NA        | 365.43        | 20.72        | 344.71        | NA        |
| MW-2        | 7/31/2008       | 2,700        | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0       | NA        | NA        | NA        | 28         | NA        | 365.43        | 21.25        | 344.18        | NA        |
| MW-2        | 10/13/2008      | 1,700        | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0       | <2.0      | <2.0      | <2.0      | 16         | NA        | 365.43        | 20.42        | 345.01        | NA        |
| <b>MW-2</b> | <b>1/5/2009</b> | <b>2,300</b> | <b>NA</b> | <b>&lt;0.50</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>NA</b> | <b>1.0</b> | <b>NA</b> | <b>NA</b> | <b>NA</b> | <b>170</b> | <b>NA</b> | <b>365.43</b> | <b>17.71</b> | <b>347.72</b> | <b>NA</b> |

|      |            |       |     |       |        |        |        |        |          |      |      |      |     |      |        |       |        |          |
|------|------------|-------|-----|-------|--------|--------|--------|--------|----------|------|------|------|-----|------|--------|-------|--------|----------|
| MW-3 | 7/20/1999  | 208   | 177 | 4.69  | <0.500 | <0.500 | <0.500 | 664    | NA       | NA   | NA   | NA   | NA  | NA   | 364.97 | 24.23 | 340.74 | NA       |
| MW-3 | 10/25/1999 | 378   | 182 | 9.49  | <0.500 | <0.500 | <0.500 | 1,410  | NA       | NA   | NA   | NA   | NA  | NA   | 364.97 | 23.26 | 341.71 | NA       |
| MW-3 | 1/27/2000  | 428   | 100 | 29.4  | <0.500 | <0.500 | <0.500 | 941    | NA       | NA   | NA   | NA   | NA  | NA   | 364.97 | 19.53 | 345.44 | NA       |
| MW-3 | 4/3/2000   | <125  | NA  | 11.4  | <1.25  | <1.25  | <1.25  | 639    | NA       | NA   | NA   | NA   | NA  | NA   | 364.97 | 19.13 | 345.84 | 1.4/1.9  |
| MW-3 | 7/27/2000  | 4,360 | NA  | 78.4  | 6.95   | 85.8   | 2.61   | 26,600 | 25,200 b | NA   | NA   | NA   | NA  | NA   | 364.97 | 19.10 | 345.87 | 1.9/2.0  |
| MW-3 | 10/16/2000 | 586   | NA  | 21.3  | <0.500 | <0.500 | <0.500 | 3,310  | NA       | NA   | NA   | NA   | NA  | NA   | 364.97 | 24.11 | 340.86 | 1.1/0.8  |
| MW-3 | 1/16/2001  | 558   | NA  | 14.7  | <0.500 | <0.500 | <0.500 | 2,210  | NA       | NA   | NA   | NA   | NA  | NA   | 364.97 | 22.19 | 342.78 | 0.87/3.5 |
| MW-3 | 4/19/2001  | 376   | NA  | 9.08  | <0.500 | <0.500 | <0.500 | 667    | NA       | NA   | NA   | NA   | NA  | NA   | 364.97 | 20.96 | 344.01 | 1.7/1.4  |
| MW-3 | 7/13/2001  | 370   | NA  | <2.0  | <2.0   | <2.0   | <2.0   | NA     | 670      | NA   | NA   | NA   | NA  | NA   | 364.97 | 22.77 | 342.20 | 3.1/4.8  |
| MW-3 | 8/13/2001  | NA    | NA  | NA    | NA     | NA     | NA     | NA     | NA       | NA   | NA   | NA   | NA  | NA   | 364.97 | 22.59 | 342.38 | NA       |
| MW-3 | 10/26/2001 | <200  | NA  | <2.0  | <2.0   | <2.0   | <2.0   | NA     | 680      | <2.0 | <2.0 | <2.0 | 79  | <500 | 364.97 | 22.81 | 342.16 | 1.0/3.2  |
| MW-3 | 1/11/2002  | 480   | NA  | <2.0  | <2.0   | <2.0   | <2.0   | NA     | 830      | NA   | NA   | NA   | NA  | NA   | 364.97 | 18.88 | 346.09 | 1.1/3.2  |
| MW-3 | 5/22/2002  | 570   | NA  | <1.0  | <1.0   | <1.0   | <1.0   | NA     | 680      | <2.0 | <2.0 | <2.0 | 58  | NA   | 364.97 | 20.75 | 344.22 | NA       |
| MW-3 | 7/15/2002  | 420   | NA  | 1.1   | <1.0   | <1.0   | 1.1    | NA     | 520      | <2.0 | <2.0 | <2.0 | 53  | NA   | 364.97 | 22.09 | 342.88 | NA       |
| MW-3 | 10/11/2002 | 730   | NA  | <0.50 | <0.50  | <0.50  | <0.50  | NA     | 320      | <2.0 | <2.0 | <2.0 | 330 | NA   | 364.97 | 22.68 | 342.29 | NA       |
| MW-3 | 1/17/2003  | 740   | NA  | <0.50 | <0.50  | <0.50  | <0.50  | NA     | 150      | <2.0 | <2.0 | <2.0 | 440 | NA   | 364.97 | 19.34 | 345.63 | NA       |
| MW-3 | 5/1/2003   | 890   | NA  | <0.50 | <0.50  | <0.50  | <1.0   | NA     | 78       | <2.0 | <2.0 | <2.0 | 300 | NA   | 364.97 | 19.27 | 345.70 | NA       |
| MW-3 | 8/27/2003  | 920 d | NA  | <0.50 | <0.50  | <0.50  | <1.0   | NA     | 52       | <2.0 | <2.0 | <2.0 | 330 | NA   | 364.97 | 22.73 | 342.24 | NA       |
| MW-3 | 10/3/2003  | 870 d | NA  | <0.50 | <0.50  | <0.50  | <1.0   | NA     | 65       | <2.0 | <2.0 | <2.0 | 520 | NA   | 364.97 | 23.15 | 341.82 | NA       |
| MW-3 | 1/5/2004   | 860 d | NA  | <0.50 | <0.50  | <0.50  | <1.0   | NA     | 40       | <2.0 | <2.0 | <2.0 | 750 | NA   | 364.97 | 19.60 | 345.37 | NA       |



**TABLE 1**  
**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**11989 Dublin Boulevard**  
**Dublin, CA**

| Well ID | Date | TPPH<br>(ug/L) | TEPH<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>8020<br>(ug/L) | MTBE<br>8260<br>(ug/L) | DIPE<br>(ug/L) | ETBE<br>(ug/L) | TAME<br>(ug/L) | TBA<br>(ug/L) | Ethanol<br>(ug/L) | TOC<br>(MSL) | Depth to<br>Water<br>(ft.) | GW<br>Elevation<br>(MSL) | DO<br>Reading<br>(ppm) |
|---------|------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|

|             |                 |            |           |                 |                |                |                |           |                |           |           |           |           |           |               |              |               |           |
|-------------|-----------------|------------|-----------|-----------------|----------------|----------------|----------------|-----------|----------------|-----------|-----------|-----------|-----------|-----------|---------------|--------------|---------------|-----------|
| MW-3        | 4/9/2004        | 420 d      | NA        | <0.50           | <0.50          | <0.50          | <1.0           | NA        | 58             | <2.0      | <2.0      | <2.0      | 280       | NA        | 364.97        | 20.30        | 344.67        | NA        |
| MW-3        | 7/22/2004       | 570 e      | NA        | <0.50           | <0.50          | <0.50          | <1.0           | NA        | 20             | <2.0      | <2.0      | <2.0      | 360       | NA        | 364.97        | 22.42        | 342.55        | NA        |
| MW-3        | 11/1/2004       | 430        | NA        | <0.50           | <0.50          | <0.50          | <1.0           | NA        | 28             | <2.0      | <2.0      | <2.0      | 680       | NA        | 364.97        | 21.00        | 343.97        | NA        |
| MW-3        | 1/26/2005       | 1000       | NA        | 0.53            | <0.50          | <0.50          | <1.0           | NA        | 20             | <2.0      | <2.0      | <2.0      | 820       | NA        | 364.97        | 17.92        | 347.05        | NA        |
| MW-3        | 4/14/2005       | 1,100      | NA        | 1.3             | <0.50          | <0.50          | <1.0           | NA        | 16             | <2.0      | <2.0      | <2.0      | 580       | NA        | 364.97        | 18.11        | 346.86        | NA        |
| MW-3        | 7/21/2005       | 490        | NA        | <0.50           | <0.50          | <0.50          | <1.0           | NA        | 4.2            | <2.0      | <2.0      | <2.0      | 400       | NA        | 364.97        | 22.95        | 342.02        | NA        |
| MW-3        | 11/8/2005       | 349        | NA        | <0.500          | <0.500         | <0.500         | <0.500         | NA        | 10.1           | <0.500    | <0.500    | <0.500    | 418       | NA        | 364.97        | 22.18        | 342.79        | NA        |
| MW-3        | 1/6/2006        | <50.0      | NA        | <0.500          | <0.500         | <0.500         | <0.500         | NA        | 13.7           | <0.500    | <0.500    | <0.500    | 1,060     | NA        | 364.97        | 19.40        | 345.57        | NA        |
| MW-3        | 4/19/2006       | 376        | NA        | 0.580           | <0.500         | <0.500         | <0.500         | NA        | 4.44           | <0.500    | <0.500    | <0.500    | 452       | NA        | 364.97        | 18.62        | 346.35        | NA        |
| MW-3        | 7/26/2006       | <50.0      | NA        | <0.500          | <0.500         | <0.500         | <0.500         | NA        | 5.98           | NA        | NA        | NA        | 72.1      | NA        | 364.97        | 22.79        | 342.18        | NA        |
| MW-3        | 10/27/2006      | 550        | NA        | <0.50           | <0.50          | <0.50          | <1.0           | NA        | 3.8            | <2.0      | <2.0      | <2.0      | 270       | NA        | 364.97        | 23.41        | 341.56        | NA        |
| MW-3        | 1/19/2007       | 390        | NA        | <0.50           | <0.50          | <0.50          | <0.50          | NA        | 6.0            | NA        | NA        | NA        | 770       | NA        | 364.97        | 19.88        | 345.09        | NA        |
| MW-3        | 4/3/2007        | 310 h,i    | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | 4.1            | NA        | NA        | NA        | 480       | NA        | 364.97        | 20.23        | 344.74        | NA        |
| MW-3        | 7/6/2007        | 330 h,i    | NA        | <0.50           | <1.0           | 0.24 j         | 2.09 j         | NA        | 1.3            | NA        | NA        | NA        | 210       | NA        | 364.97        | 21.85        | 343.12        | NA        |
| MW-3        | 10/30/2007      | 310 h      | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | 2.2            | <2.0      | <2.0      | <2.0      | 90        | NA        | 364.97        | 22.00        | 342.97        | NA        |
| MW-3        | 1/10/2008       | 320 h,i    | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | 2.3            | NA        | NA        | NA        | 160       | NA        | 364.97        | 18.81        | 346.16        | NA        |
| MW-3        | 4/24/2008       | 610        | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | 160       | NA        | 364.97        | 21.15        | 343.82        | NA        |
| MW-3        | 7/31/2008       | 560        | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | 1.9            | NA        | NA        | NA        | 72        | NA        | 364.97        | 21.90        | 343.07        | NA        |
| MW-3        | 10/13/2008      | 550        | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | <2.0      | <2.0      | <2.0      | 40        | NA        | 364.97        | 21.04        | 343.93        | NA        |
| <b>MW-3</b> | <b>1/5/2009</b> | <b>280</b> | <b>NA</b> | <b>&lt;0.50</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>NA</b> | <b>&lt;1.0</b> | <b>NA</b> | <b>NA</b> | <b>NA</b> | <b>13</b> | <b>NA</b> | <b>364.97</b> | <b>18.12</b> | <b>346.85</b> | <b>NA</b> |

|      |            |        |    |      |      |      |      |    |       |      |      |      |       |    |        |       |        |         |
|------|------------|--------|----|------|------|------|------|----|-------|------|------|------|-------|----|--------|-------|--------|---------|
| MW-4 | 8/10/2001  | NA     | NA | NA   | NA   | NA   | NA   | NA | NA    | NA   | NA   | NA   | NA    | NA | 364.01 | 25.63 | 338.38 | NA      |
| MW-4 | 8/13/2001  | 2,400  | NA | <10  | <10  | <10  | <10  | NA | 8,300 | NA   | NA   | NA   | NA    | NA | 364.01 | 26.32 | 337.69 | 4.2/2.7 |
| MW-4 | 10/26/2001 | <2,000 | NA | <20  | <20  | <20  | <20  | NA | 8,600 | NA   | NA   | NA   | NA    | NA | 364.01 | 26.02 | 337.99 | 3.1/2.8 |
| MW-4 | 1/11/2002  | <2,000 | NA | <20  | <20  | <20  | <20  | NA | 5,100 | NA   | NA   | NA   | NA    | NA | 364.01 | 22.25 | 341.76 | 7.9/3.0 |
| MW-4 | 5/22/2002  | <500   | NA | <5.0 | <5.0 | <5.0 | <5.0 | NA | 3,200 | <5.0 | <5.0 | <5.0 | 2,500 | NA | 364.01 | 23.96 | 340.05 | NA      |
| MW-4 | 7/15/2002  | <2,500 | NA | <20  | <20  | <20  | <20  | NA | 7,000 | <20  | <20  | <20  | 2,000 | NA | 363.97 | 25.18 | 338.79 | NA      |
| MW-4 | 10/11/2002 | 1,900  | NA | <5.0 | <5.0 | <5.0 | <5.0 | NA | 2,900 | <5.0 | <5.0 | <5.0 | 5,100 | NA | 363.97 | 25.91 | 338.06 | NA      |
| MW-4 | 1/17/2003  | 580    | NA | <2.5 | <2.5 | <2.5 | <2.5 | NA | 59    | <2.5 | <2.5 | <2.5 | 7,000 | NA | 363.97 | 22.38 | 341.59 | NA      |
| MW-4 | 5/1/2003   | 770    | NA | <5.0 | <5.0 | <5.0 | <10  | NA | 73    | <20  | <20  | <20  | 4,300 | NA | 363.97 | 21.92 | 342.05 | NA      |

**TABLE 1**  
**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**11989 Dublin Boulevard**  
**Dublin, CA**

| Well ID | Date | TPPH<br>(ug/L) | TEPH<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>8020<br>(ug/L) | MTBE<br>8260<br>(ug/L) | DIPE<br>(ug/L) | ETBE<br>(ug/L) | TAME<br>(ug/L) | TBA<br>(ug/L) | Ethanol<br>(ug/L) | TOC<br>(MSL) | Depth to<br>Water<br>(ft.) | GW<br>Elevation<br>(MSL) | DO<br>Reading<br>(ppm) |
|---------|------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|

|             |                 |                   |           |                 |                |                |                |           |                |           |           |           |               |           |               |              |               |           |
|-------------|-----------------|-------------------|-----------|-----------------|----------------|----------------|----------------|-----------|----------------|-----------|-----------|-----------|---------------|-----------|---------------|--------------|---------------|-----------|
| MW-4        | 8/27/2003       | <1,000            | NA        | <10             | <10            | <10            | <20            | NA        | 370            | <40       | <40       | <40       | 11,000        | NA        | 363.97        | 25.31        | 338.66        | NA        |
| MW-4        | 10/3/2003       | <1,000            | NA        | <10             | <10            | <10            | <20            | NA        | 190            | <40       | <40       | <40       | 11,000        | NA        | 363.97        | 26.00        | 337.97        | NA        |
| MW-4        | 1/5/2004        | <1,000            | NA        | <10             | <10            | <10            | <20            | NA        | <10            | <40       | <40       | <40       | 7,400         | NA        | 363.97        | 23.48        | 340.49        | NA        |
| MW-4        | 4/9/2004        | <1,000            | NA        | <10             | <10            | <10            | <20            | NA        | <10            | <40       | <40       | <40       | 5,700         | NA        | 363.97        | 23.45        | 340.52        | NA        |
| MW-4        | 7/22/2004       | Well inaccessible |           | NA              | NA             | NA             | NA             | NA        | NA             | NA        | NA        | NA        | NA            | NA        | 363.97        | NA           | NA            | NA        |
| MW-4        | 11/1/2004       | Well inaccessible |           | NA              | NA             | NA             | NA             | NA        | NA             | NA        | NA        | NA        | NA            | NA        | 363.97        | NA           | NA            | NA        |
| MW-4        | 1/26/2005       | 1200 f            | NA        | <10             | <10            | <10            | <20            | NA        | <10            | <40       | <40       | <40       | 3700          | NA        | 363.97        | 21.44        | 342.53        | NA        |
| MW-4        | 4/14/2005       | 1,000 f           | NA        | <0.50           | <0.50          | <0.50          | <1.0           | NA        | 6.2            | <2.0      | <2.0      | <2.0      | 5,800         | NA        | 363.97        | 20.69        | 343.28        | NA        |
| MW-4        | 7/21/2005       | 390               | NA        | <2.5            | <2.5           | <2.5           | <5.0           | NA        | <2.5           | <10       | <10       | <10       | 2,400         | NA        | 363.97        | 25.55        | 338.42        | NA        |
| MW-4        | 11/8/2005       | 489               | NA        | <0.500          | <0.500         | <0.500         | <0.500         | NA        | 3.23           | <0.500    | <0.500    | <0.500    | 1,710         | NA        | 363.97        | 25.46        | 338.51        | NA        |
| MW-4        | 1/6/2006        | <50.0             | NA        | <0.500          | <0.500         | <0.500         | <0.500         | NA        | 2.75 g         | <0.500    | <0.500    | <0.500    | 302           | NA        | 363.97        | 22.55        | 341.42        | NA        |
| MW-4        | 4/19/2006       | <50.0             | NA        | <0.500          | <0.500         | <0.500         | <0.500         | NA        | 0.630          | <0.500    | <0.500    | <0.500    | 301           | NA        | 363.97        | 21.59        | 342.38        | NA        |
| MW-4        | 7/26/2006       | 785               | NA        | <0.500          | <0.500         | <0.500         | <0.500         | NA        | 1.47           | NA        | NA        | NA        | 1,810         | NA        | 363.97        | 25.67        | 338.30        | NA        |
| MW-4        | 10/27/2006      | 270               | NA        | <0.50           | <0.50          | <0.50          | <1.0           | NA        | 0.98           | <2.0      | <2.0      | <2.0      | 3,000         | NA        | 363.97        | 26.41        | 337.56        | NA        |
| MW-4        | 1/19/2007       | 79                | NA        | <0.50           | <0.50          | <0.50          | <0.50          | NA        | <0.50          | NA        | NA        | NA        | 550           | NA        | 363.97        | 23.79        | 340.18        | NA        |
| MW-4        | 4/3/2007        | 63 h,i            | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | 13            | NA        | 363.97        | 23.36        | 340.61        | NA        |
| MW-4        | 7/6/2007        | 130 h,i           | NA        | <0.50           | <1.0           | <1.0           | 1.0            | NA        | <1.0           | NA        | NA        | NA        | 750           | NA        | 363.97        | 24.47        | 339.50        | NA        |
| MW-4        | 10/30/2007      | 150 h,i           | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | <2.0      | <2.0      | <2.0      | 530           | NA        | 363.97        | 24.66        | 339.31        | NA        |
| MW-4        | 1/10/2008       | Well inaccessible |           | NA              | NA             | NA             | NA             | NA        | NA             | NA        | NA        | NA        | NA            | NA        | 363.97        | NA           | NA            | NA        |
| MW-4        | 4/24/2008       | 230               | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | 170           | NA        | 363.97        | 23.49        | 340.48        | NA        |
| MW-4        | 7/31/2008       | 67                | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | 29            | NA        | 363.97        | 24.63        | 339.34        | NA        |
| MW-4        | 10/13/2008      | 170               | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | <2.0      | <2.0      | <2.0      | 120           | NA        | 363.97        | 24.52        | 339.45        | NA        |
| <b>MW-4</b> | <b>1/5/2009</b> | <b>&lt;50</b>     | <b>NA</b> | <b>&lt;0.50</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>NA</b> | <b>&lt;1.0</b> | <b>NA</b> | <b>NA</b> | <b>NA</b> | <b>&lt;10</b> | <b>NA</b> | <b>363.97</b> | <b>23.18</b> | <b>340.79</b> | <b>NA</b> |

|      |            |       |     |        |        |        |        |    |        |        |        |        |       |    |        |       |        |    |
|------|------------|-------|-----|--------|--------|--------|--------|----|--------|--------|--------|--------|-------|----|--------|-------|--------|----|
| MW-5 | 1/3/2006   | NA    | NA  | NA     | NA     | NA     | NA     | NA | NA     | NA     | NA     | NA     | NA    | NA | 361.00 | 22.95 | 338.05 | NA |
| MW-5 | 1/6/2006   | <50.0 | 280 | <0.500 | <0.500 | <0.500 | <0.500 | NA | <0.500 | <0.500 | <0.500 | <0.500 | <10.0 | NA | 361.00 | 22.77 | 338.23 | NA |
| MW-5 | 4/19/2006  | <50.0 | NA  | <0.500 | <0.500 | <0.500 | <0.500 | NA | <0.500 | <0.500 | <0.500 | <0.500 | 32.1  | NA | 361.00 | 21.06 | 339.94 | NA |
| MW-5 | 7/26/2006  | <50.0 | NA  | <0.500 | <0.500 | <0.500 | <0.500 | NA | <0.500 | NA     | NA     | NA     | <10.0 | NA | 361.00 | 24.68 | 336.32 | NA |
| MW-5 | 10/27/2006 | 170   | NA  | <0.50  | <0.50  | <0.50  | <1.0   | NA | <0.50  | <2.0   | <2.0   | <2.0   | <5.0  | NA | 361.00 | 25.57 | 335.43 | NA |
| MW-5 | 1/19/2007  | 230   | NA  | <0.50  | <0.50  | <0.50  | <0.50  | NA | <0.50  | NA     | NA     | NA     | <20   | NA | 361.00 | 24.24 | 336.76 | NA |

**TABLE 1**  
**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**11989 Dublin Boulevard**  
**Dublin, CA**

| Well ID | Date | TPPH<br>(ug/L) | TEPH<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>8020<br>(ug/L) | MTBE<br>8260<br>(ug/L) | DIPE<br>(ug/L) | ETBE<br>(ug/L) | TAME<br>(ug/L) | TBA<br>(ug/L) | Ethanol<br>(ug/L) | TOC<br>(MSL) | Depth to<br>Water<br>(ft.) | GW<br>Elevation<br>(MSL) | DO<br>Reading<br>(ppm) |
|---------|------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|

|             |                 |               |           |                 |                |                |                |           |                |           |           |           |               |           |               |              |               |           |
|-------------|-----------------|---------------|-----------|-----------------|----------------|----------------|----------------|-----------|----------------|-----------|-----------|-----------|---------------|-----------|---------------|--------------|---------------|-----------|
| MW-5        | 4/3/2007        | 76 h          | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | <10           | NA        | 361.00        | 23.64        | 337.36        | NA        |
| MW-5        | 7/6/2007        | <50 h         | NA        | <0.50           | <1.0           | <1.0           | 0.84 j         | NA        | <1.0           | NA        | NA        | NA        | <10           | NA        | 361.00        | 24.74        | 336.26        | NA        |
| MW-5        | 10/30/2007      | <50 h         | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | <2.0      | <2.0      | <2.0      | <10           | NA        | 361.00        | 24.84        | 336.16        | NA        |
| MW-5        | 1/10/2008       | <50 h         | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | <10           | NA        | 361.00        | 22.95        | 338.05        | NA        |
| MW-5        | 4/24/2008       | <50           | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | <10           | NA        | 361.00        | 23.58        | 337.42        | NA        |
| MW-5        | 7/31/2008       | <50           | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | <10           | NA        | 361.00        | 24.88        | 336.12        | NA        |
| MW-5        | 10/13/2008      | <50           | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | <2.0      | <2.0      | <2.0      | <10           | NA        | 361.00        | 25.02        | 335.98        | NA        |
| <b>MW-5</b> | <b>1/5/2009</b> | <b>&lt;50</b> | <b>NA</b> | <b>&lt;0.50</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>NA</b> | <b>&lt;1.0</b> | <b>NA</b> | <b>NA</b> | <b>NA</b> | <b>&lt;10</b> | <b>NA</b> | <b>361.00</b> | <b>24.06</b> | <b>336.94</b> | <b>NA</b> |

|             |                 |               |           |                 |                |                |                |           |                |           |           |           |               |           |               |              |               |           |
|-------------|-----------------|---------------|-----------|-----------------|----------------|----------------|----------------|-----------|----------------|-----------|-----------|-----------|---------------|-----------|---------------|--------------|---------------|-----------|
| MW-6        | 7/21/2006       | NA            | NA        | NA              | NA             | NA             | NA             | NA        | NA             | NA        | NA        | NA        | NA            | NA        | 361.15        | 25.33        | 335.82        | NA        |
| MW-6        | 7/26/2006       | <50.0         | NA        | <0.500          | <0.500         | <0.500         | <0.500         | NA        | <0.500         | <0.500    | <0.500    | <0.500    | <10.0         | NA        | 361.15        | 25.45        | 335.70        | NA        |
| MW-6        | 10/27/2006      | <50           | NA        | <0.50           | <0.50          | <0.50          | <1.0           | NA        | 0.63           | <2.0      | <2.0      | <2.0      | <5.0          | NA        | 361.15        | 26.41        | 334.74        | NA        |
| MW-6        | 1/19/2007       | <50           | NA        | <0.50           | <0.50          | <0.50          | <0.50          | NA        | 1.1            | NA        | NA        | NA        | <20           | NA        | 361.15        | 25.50        | 335.65        | NA        |
| MW-6        | 4/3/2007        | <50 h         | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | 0.70 j         | NA        | NA        | NA        | <10           | NA        | 361.15        | 25.00        | 336.15        | NA        |
| MW-6        | 7/6/2007        | <50 h         | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | 0.34 j         | NA        | NA        | NA        | <10           | NA        | 361.15        | 25.93        | 335.22        | NA        |
| MW-6        | 10/30/2007      | <50 h         | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | 0.30 j         | <2.0      | <2.0      | <2.0      | <10           | NA        | 361.15        | 26.10        | 335.05        | NA        |
| MW-6        | 1/10/2008       | <50 h         | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | <10           | NA        | 361.15        | 24.43        | 336.72        | NA        |
| MW-6        | 4/24/2008       | <50           | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | <10           | NA        | 361.15        | 24.76        | 336.39        | NA        |
| MW-6        | 7/31/2008       | <50           | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | NA        | NA        | NA        | <10           | NA        | 361.15        | 26.00        | 335.15        | NA        |
| MW-6        | 10/13/2008      | <50           | NA        | <0.50           | <1.0           | <1.0           | <1.0           | NA        | <1.0           | <2.0      | <2.0      | <2.0      | <10           | NA        | 361.15        | 26.28        | 334.87        | NA        |
| <b>MW-6</b> | <b>1/5/2009</b> | <b>&lt;50</b> | <b>NA</b> | <b>&lt;0.50</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>NA</b> | <b>&lt;1.0</b> | <b>NA</b> | <b>NA</b> | <b>NA</b> | <b>&lt;10</b> | <b>NA</b> | <b>361.15</b> | <b>25.18</b> | <b>335.97</b> | <b>NA</b> |

|      |            |       |    |        |        |        |        |    |        |        |        |        |       |    |        |       |        |    |
|------|------------|-------|----|--------|--------|--------|--------|----|--------|--------|--------|--------|-------|----|--------|-------|--------|----|
| MW-7 | 7/21/2006  | NA    | NA | NA     | NA     | NA     | NA     | NA | NA     | NA     | NA     | NA     | NA    | NA | 365.21 | 25.93 | 339.28 | NA |
| MW-7 | 7/26/2006  | <50.0 | NA | <0.500 | <0.500 | <0.500 | <0.500 | NA | <0.500 | <0.500 | <0.500 | <0.500 | <10.0 | NA | 365.21 | 30.53 | 334.68 | NA |
| MW-7 | 10/27/2006 | <50   | NA | <0.50  | <0.50  | <0.50  | <1.0   | NA | <0.50  | <2.0   | <2.0   | <2.0   | <5.0  | NA | 365.21 | 31.97 | 333.24 | NA |
| MW-7 | 1/19/2007  | <50   | NA | <0.50  | <0.50  | <0.50  | <0.50  | NA | <0.50  | NA     | NA     | NA     | <20   | NA | 365.21 | 31.61 | 333.60 | NA |
| MW-7 | 4/3/2007   | <50 h | NA | <0.50  | <1.0   | <1.0   | <1.0   | NA | <1.0   | NA     | NA     | NA     | <10   | NA | 365.21 | 30.80 | 334.41 | NA |
| MW-7 | 7/6/2007   | <50 h | NA | <0.50  | <1.0   | <1.0   | <1.0   | NA | <1.0   | NA     | NA     | NA     | <10   | NA | 365.21 | 31.86 | 333.35 | NA |
| MW-7 | 10/30/2007 | <50 h | NA | <0.50  | <1.0   | <1.0   | <1.0   | NA | <1.0   | <2.0   | <2.0   | <2.0   | <10   | NA | 365.21 | 32.32 | 332.89 | NA |
| MW-7 | 1/10/2008  | <50 h | NA | <0.50  | <1.0   | <1.0   | <1.0   | NA | <1.0   | NA     | NA     | NA     | <10   | NA | 365.21 | 31.40 | 333.81 | NA |

**TABLE 1**  
**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**11989 Dublin Boulevard**  
**Dublin, CA**

| Well ID     | Date            | TPPH<br>(ug/L) | TEPH<br>(ug/L) | B<br>(ug/L)     | T<br>(ug/L)    | E<br>(ug/L)    | X<br>(ug/L)    | MTBE<br>8020<br>(ug/L) | MTBE<br>8260<br>(ug/L) | DIPE<br>(ug/L) | ETBE<br>(ug/L) | TAME<br>(ug/L) | TBA<br>(ug/L) | Ethanol<br>(ug/L) | TOC<br>(MSL)  | Depth to<br>Water<br>(ft.) | GW<br>Elevation<br>(MSL) | DO<br>Reading<br>(ppm) |
|-------------|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|---------------|----------------------------|--------------------------|------------------------|
| MW-7        | 4/24/2008       | <50            | NA             | <0.50           | <1.0           | <1.0           | <1.0           | NA                     | <1.0                   | NA             | NA             | NA             | <10           | NA                | 365.21        | 30.60                      | 334.61                   | NA                     |
| MW-7        | 7/31/2008       | <50            | NA             | <0.50           | <1.0           | <1.0           | <1.0           | NA                     | <1.0                   | NA             | NA             | NA             | <10           | NA                | 365.21        | 32.14                      | 333.07                   | NA                     |
| MW-7        | 10/13/2008      | <50            | NA             | <0.50           | <1.0           | <1.0           | <1.0           | NA                     | <1.0                   | <2.0           | <2.0           | <2.0           | <10           | NA                | 365.21        | 32.80                      | 332.41                   | NA                     |
| <b>MW-7</b> | <b>1/5/2009</b> | <b>&lt;50</b>  | <b>NA</b>      | <b>&lt;0.50</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>&lt;1.0</b> | <b>NA</b>              | <b>&lt;1.0</b>         | <b>NA</b>      | <b>NA</b>      | <b>NA</b>      | <b>&lt;10</b> | <b>NA</b>         | <b>365.21</b> | <b>31.86</b>               | <b>333.35</b>            | <b>NA</b>              |

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 13, 2001, analyzed by EPA Method 8015.

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

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 13, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

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

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

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

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

n/n = Pre-purge/Post-purge DO Readings

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

**TABLE 1**  
**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**11989 Dublin Boulevard**  
**Dublin, CA**

| Well ID | Date | TPPH<br>(ug/L) | TEPH<br>(ug/L) | B<br>(ug/L) | T<br>(ug/L) | E<br>(ug/L) | X<br>(ug/L) | MTBE<br>8020<br>(ug/L) | MTBE<br>8260<br>(ug/L) | DIPE<br>(ug/L) | ETBE<br>(ug/L) | TAME<br>(ug/L) | TBA<br>(ug/L) | Ethanol<br>(ug/L) | TOC<br>(MSL) | Depth to<br>Water<br>(ft.) | GW<br>Elevation<br>(MSL) | DO<br>Reading<br>(ppm) |
|---------|------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|----------------|----------------|----------------|---------------|-------------------|--------------|----------------------------|--------------------------|------------------------|

Notes:

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

b = Concentration is an estimate.

c = DO meter malfunctioning.

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

e = Sample contains discrete peak in addition to gasoline.

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

g = Secondary ion abundances were outside method requirements. Identification based on analytical judgement.

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

i = 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.

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

Ethanol analyzed by EPA Method 8260B.

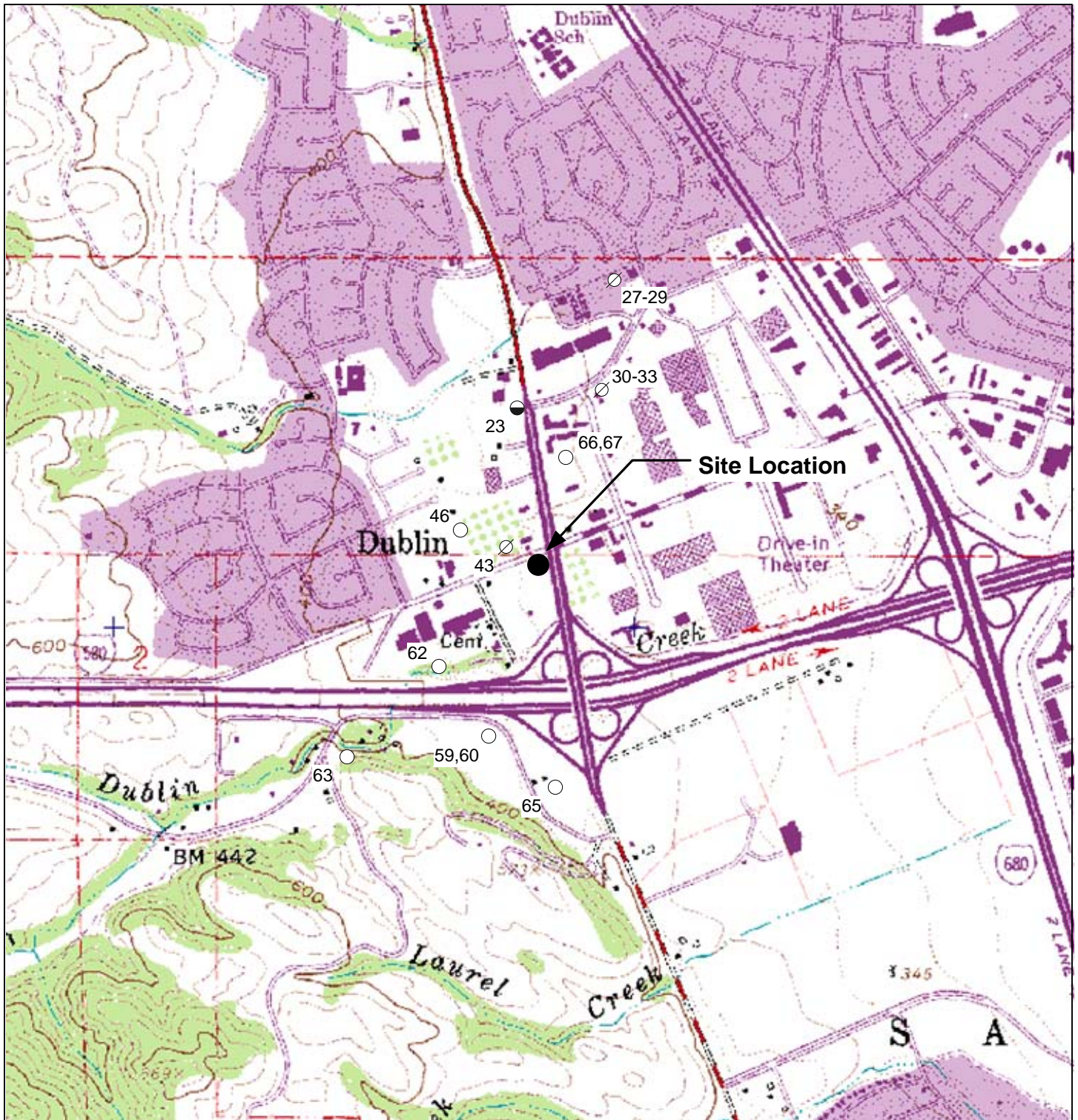
Wells surveyed June 21, 1999 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells surveyed August 23, 2001 and February 18, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Well MW-5 surveyed on March 3, 2006 by Mid Coast Engineers.

Well MW-6 and MW-7 surveyed data provided by Delta Environmental Consultants, Inc, CA. on August 15, 2006.

## FIGURES



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



Legend

- Domestic Well
- Irrigation Well
- ⊗ Destroyed/Abandoned Well



QUADRANGLE LOCATION

0 1,800 3,600

Scale, Feet

FIGURE 1  
 SITE LOCATION MAP

SHELL-BRANDED SERVICE STATION  
 11989 Dublin Boulevard  
 Dublin, California

|                           |                         |
|---------------------------|-------------------------|
| PROJECT NO.<br>SCA119891A | DRAWN BY<br>VF 10/22/03 |
| FILE NO.                  | PREPARED BY<br>VF       |
| REVISION NO.              | REVIEWED BY             |





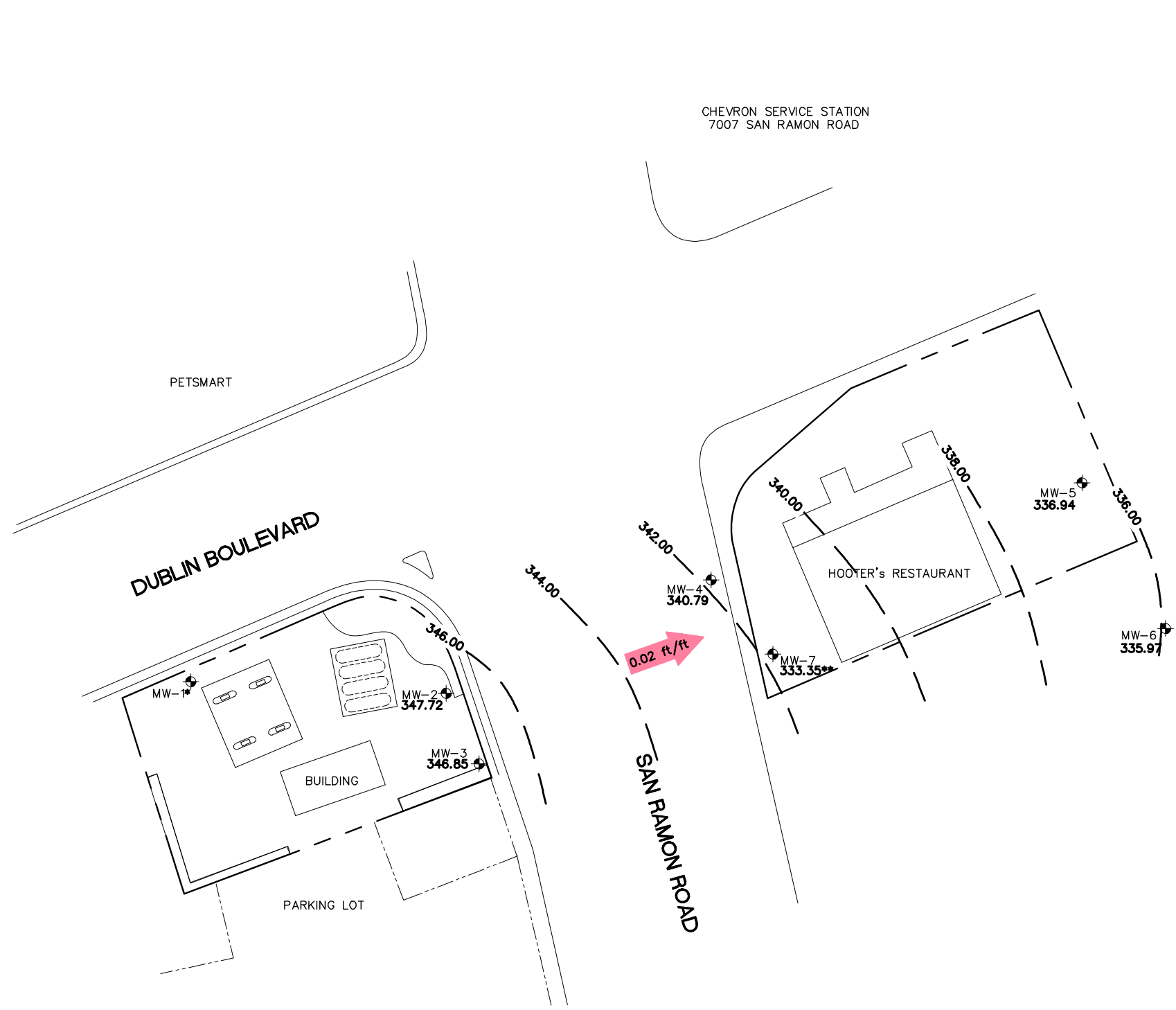
PROJECT NUMBER  
SCA119891A

APPROVED BY

CHECKED BY

DRAWN BY  
J.F.F.  
2/3/2009

0 40 80  
SCALE IN FEET



LEGEND

- MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- 344.71 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
- 340.00 GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)  
CONTOUR INTERVAL=2.00 FEET
- 0.02 ft/ft APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)
- \* REMOVED FROM SAMPLING PROGRAM
- \*\* DEEP WELL - NOT USED FOR CONTOURING

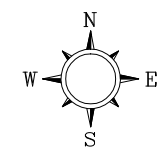


SHELL OIL PRODUCTS US  
SHELL-BRANDED SERVICE STATION  
DUBLIN, CALIFORNIA

**FIGURE 2**  
**GROUNDWATER ELEVATION CONTOUR MAP**  
1/5/2009  
11989 DUBLIN BOULEVARD  
DUBLIN, CALIFORNIA



PROJECT NUMBER SCA119891A  
 APPROVED BY  
 CHECKED BY  
 DRAWN BY J.F.F. 2/3/2009



| MW-3   |              |                |             |            |
|--------|--------------|----------------|-------------|------------|
| DATE   | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L) |
| 1/5/09 | 280          | ND<0.50        | ND<1.0      | 13         |

| MW-2   |              |                |             |            |
|--------|--------------|----------------|-------------|------------|
| DATE   | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L) |
| 1/5/09 | 2,300        | ND<0.50        | 1.0         | 170        |

| MW-4   |              |                |             |            |
|--------|--------------|----------------|-------------|------------|
| DATE   | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L) |
| 1/5/09 | ND<50        | ND<0.50        | ND<1.0      | ND<10      |

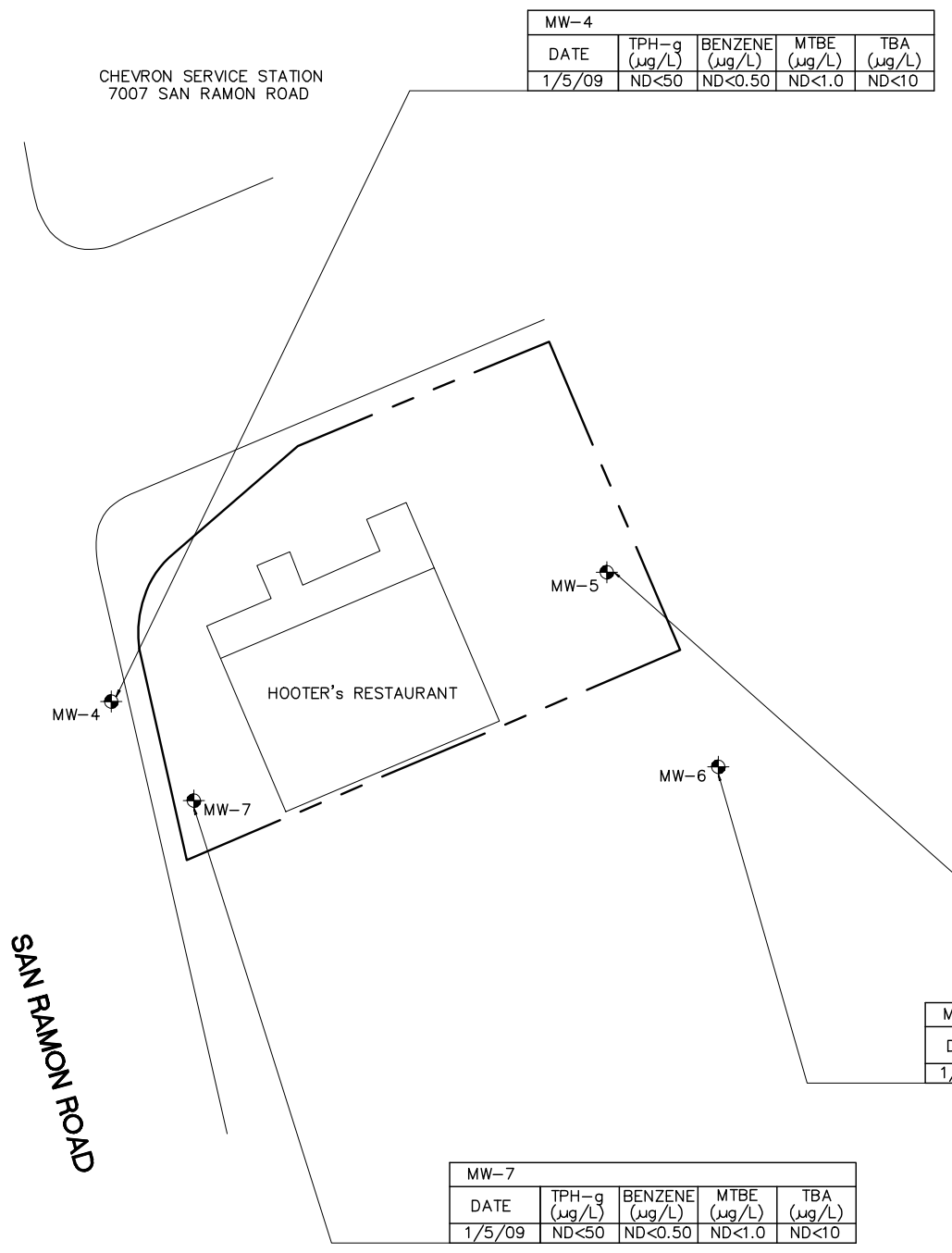
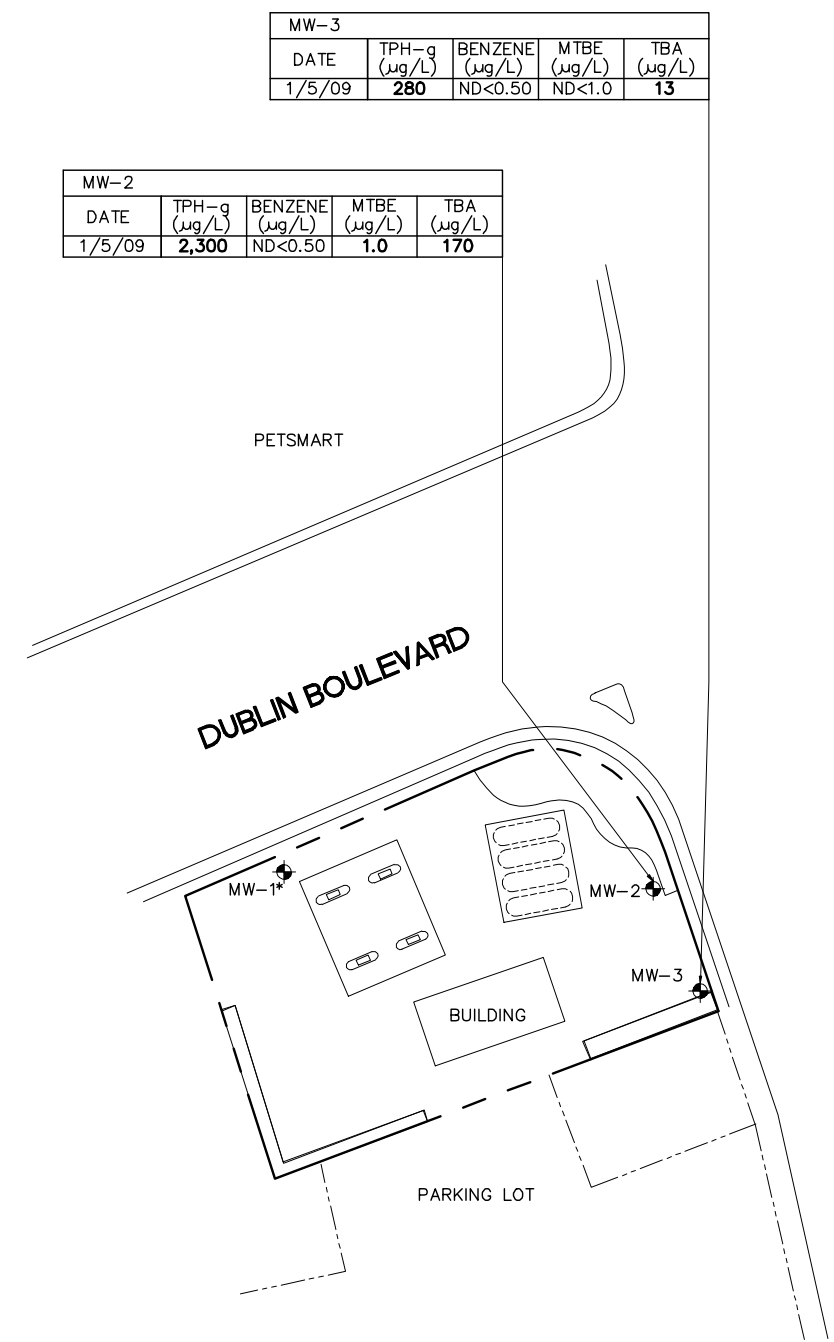
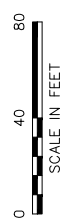
**LEGEND**

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

| MW-5   |              |                |             |            |
|--------|--------------|----------------|-------------|------------|
| DATE   | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L) |
| 1/5/09 | ND<50        | ND<0.50        | ND<1.0      | ND<10      |

| MW-6   |              |                |             |            |
|--------|--------------|----------------|-------------|------------|
| DATE   | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L) |
| 1/5/09 | ND<50        | ND<0.50        | ND<1.0      | ND<10      |

| MW-7   |              |                |             |            |
|--------|--------------|----------------|-------------|------------|
| DATE   | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L) |
| 1/5/09 | ND<50        | ND<0.50        | ND<1.0      | ND<10      |



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

**FIGURE 3  
 GROUNDWATER HYDROCARBON  
 DISTRIBUTION MAP  
 1/5/2009**

11989 DUBLIN BOULEVARD  
 DUBLIN, CALIFORNIA

**APPENDIX A**

**BLAINE TECH SERVICES, INC.**

**FIELD DATA SHEETS**



# WELL GAUGING DATA

Project # 09c105-DRI Date 1/5/09 Client 98995328

Site 11989 Dublin River 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-2    | 0825 | 4               |              |                                  |                                      |                                    | 17.71                | 32.43                      |                          |       |
| mw-3    | 0829 | 4               |              |                                  |                                      | 18.12                              | 32.64                |                            |                          |       |
| mw-4    | 0914 | 2               |              |                                  |                                      | 23.18                              | 34.98                | Tr.                        |                          |       |
| mw-5    | 0836 | 2               |              |                                  |                                      | 24.06                              | 31.85                |                            |                          |       |
| mw-6    | 0840 | 2               |              |                                  |                                      | 25.18                              | 29.57                |                            |                          |       |
| mw-7    | 0844 | 2               |              |                                  |                                      | 31.86                              | 68.99                | ✓                          |                          |       |
|         |      |                 |              |                                  |                                      |                                    |                      |                            |                          |       |
|         |      |                 |              |                                  |                                      |                                    |                      |                            |                          |       |
|         |      |                 |              |                                  |                                      |                                    |                      |                            |                          |       |
|         |      |                 |              |                                  |                                      |                                    |                      |                            |                          |       |
|         |      |                 |              |                                  |                                      |                                    |                      |                            |                          |       |
|         |      |                 |              |                                  |                                      |                                    |                      |                            |                          |       |
|         |      |                 |              |                                  |                                      |                                    |                      |                            |                          |       |
|         |      |                 |              |                                  |                                      |                                    |                      |                            |                          |       |
|         |      |                 |              |                                  |                                      |                                    |                      |                            |                          |       |
|         |      |                 |              |                                  |                                      |                                    |                      |                            |                          |       |

## SHELL WELL MONITORING DATA SHEET

|  |                                   |
|--|-----------------------------------|
| BTS #: 090105-DR1  | Site: 98995328                    |
| Sampler: DR  | Date: 1/5/09                      |
| Well I.D.: MW-2  | Well Diameter: 2 3 <u>4</u> 6 8   |
| Total Well Depth (TD): 32.43   | Depth to Water (DTW): 17.71       |
| 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]: 20.65 |                                   |

|  |  |   |
|--|--|---|
| Purge Method: Bailer<br>Disposable Bailer<br>Positive Air Displacement<br><input checked="" type="checkbox"/> Electric Submersible | Waterra<br>Peristaltic<br>Extraction Pump<br>Other _____ | Sampling Method: <input checked="" type="checkbox"/> Bailer<br>Disposable Bailer<br>Extraction Port<br>Dedicated Tubing<br>Other: _____ |
|--|--|---|

|               |           |                   |   |                   |       |
|---------------|-----------|-------------------|---|-------------------|-------|
| 9.6           | (Gals.) X | 3                 | = | 28.8              | 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 $\mu$ S) | Turbidity (NTUs) | Gals. Removed | Observations |
|------|-----------|-----|-----------------------|------------------|---------------|--------------|
| 1111 | 65.0      | 7.0 | 804                   | 36               | 9.6           | clear/clear  |
| 1113 | 66.1      | 6.8 | 810                   | 19               | 19.2          |              |
| 1115 | 66.1      | 6.8 | 809                   | 26               | 28.8          |              |
|      |           |     |                       |                  |               |              |
|      |           |     |                       |                  |               |              |

Did well dewater? Yes  No  Gallons actually evacuated: 28.8

Sampling Date: 1/5/09      Sampling Time: 1135      Depth to Water: 20.57

Sample I.D.: MW-2      Laboratory: STL      Other: Calscience

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

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   |



## SHELL WELL MONITORING DATA SHEET

|  |   |
|--|---|
| BTS #: 090105-DR1  | Site: 98795328  |
| Sampler: DR  | Date: 1/5/09  |
| Well I.D.: MW-4  | Well Diameter: <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 _____ |
| Total Well Depth (TD): 34.98   | Depth to Water (DTW): 23.18   |
| Depth to Free Product:   | Thickness of Free Product (feet):   |
| Referenced to: <input checked="" type="checkbox"/> PVC Grade         | D.O. Meter (if req'd): YSI HACH   |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.54 |   |

|  |  |   |
|--|--|---|
| Purge Method: Bailer<br>Disposable Bailer<br>Positive Air Displacement<br>Electric Submersible | Waterra<br>Peristaltic<br>Extraction Pump<br>Other _____ | Sampling Method: <input checked="" type="checkbox"/> Bailer<br>Disposable Bailer<br>Extraction Port<br>Dedicated Tubing<br>Other: _____ |
|--|--|---|

|               |           |                   |   |                   |       |
|---------------|-----------|-------------------|---|-------------------|-------|
| 1.9           | (Gals.) X | 3                 | = | 9.7               | 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 $\mu$ S) | Turbidity (NTUs) | Gals. Removed | Observations |
|------|-----------|-----|-----------------------|------------------|---------------|--------------|
| 0926 | 65.9      | 6.2 | 358                   | 836              | 1.9           | cloudy       |
| 0929 | 66.1      | 6.4 | 523                   | >1000            | 3.8           | "            |
| 0932 | 66.2      | 6.5 | 573                   | >1000            | 5.7           | "            |
|      |           |     |                       |                  |               |              |
|      |           |     |                       |                  |               |              |

Did well dewater? Yes  No  Gallons actually evacuated: 9.7

Sampling Date: 1/5/09 Sampling Time: 0935 Depth to Water: 26.02 *Truffel*

Sample I.D.: MW-4 Laboratory: STL Other: *CalScience*

Analyzed for:  TPH-G  BTEX  MTBE  TPH-D Other: *1BA*

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   |





## SHELL WELL MONITORING DATA SHEET

|  |   |
|--|---|
| BTS #: 090105-DR1  | Site: 48775328  |
| Sampler: DR  | Date: 1/5/09  |
| Well I.D.: MW-6  | Well Diameter: <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 |
| Total Well Depth (TD): 29.57   | Depth to Water (DTW): 25.18   |
| 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]: 26.06 |   |

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: \_\_\_\_\_

| $\frac{0.7 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{2.1}{\text{Calculated Volume}} \text{ Gals.}$ | <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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 |
|------|-----------|-----|-----------------------|------------------|---------------|--------------|
| 1012 | 63.3      | 6.7 | 1092                  | >1000            | 0.7           | cloudy       |
| 1013 | 62.6      | 6.6 | 1091                  | >1000            | 1.4           | "            |
| 1015 | 62.8      | 6.5 | 1097                  | >1000            | 2.1           | "            |
|      |           |     |                       |                  |               |              |
|      |           |     |                       |                  |               |              |

Did well dewater? Yes  No  Gallons actually evacuated: 2.1

Sampling Date: 1/5/09      Sampling Time: 1020      Depth to Water: 25.23

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

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

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   |



**APPENDIX B**

**BLAINE TECH SERVICES, INC.**

**FIELD PROCEDURES**

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# BLAINE

TECH SERVICES INC.

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GROUNDWATER SAMPLING SPECIALISTS  
SINCE 1985

January 20, 2009

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

First Quarter 2009 Groundwater Monitoring at  
Shell-branded Service Station  
11989 Dublin Boulevard  
Dublin, CA

Monitoring performed on January 5, 2009

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## Groundwater Monitoring Report **090105-DR-1**

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

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

cc: Regina Bussard  
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

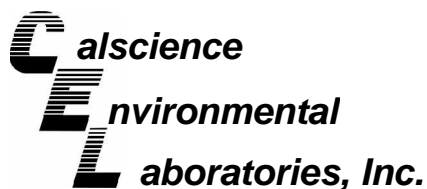
All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

## FERROUS IRON MEASUREMENTS

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

## **APPENDIX C**

### **LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION**



January 16, 2009

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

Subject: **Calscience Work Order No.: 09-01-0294**  
**Client Reference: 11989 Dublin Blvd., Dublin, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/7/2009 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 that reads 'Philip Samelle for'.

Calscience Environmental  
Laboratories, Inc.  
Jessie Kim  
Project Manager

## Analytical Report



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

Date Received: 01/07/09  
Work Order No: 09-01-0294  
Preparation: EPA 5030B  
Method: LUFT GC/MS / EPA 8260B  
Units: ug/L

Project: 11989 Dublin Blvd., Dublin, CA

Page 1 of 3

| Client Sample Number | Lab Sample Number     | Date/Time Collected   | Matrix         | Instrument      | Date Prepared   | Date/Time Analyzed    | QC Batch ID      |
|----------------------|-----------------------|-----------------------|----------------|-----------------|-----------------|-----------------------|------------------|
| <b>MW-2</b>          | <b>09-01-0294-1-B</b> | <b>01/05/09 11:35</b> | <b>Aqueous</b> | <b>GC/MS PP</b> | <b>01/13/09</b> | <b>01/13/09 20:10</b> | <b>090113L01</b> |

| Parameter              | Result         | RL                    | DF | Qual        | Parameter                   | Result         | RL                    | DF | Qual        |
|------------------------|----------------|-----------------------|----|-------------|-----------------------------|----------------|-----------------------|----|-------------|
| Benzene                | ND             | 0.50                  | 1  |             | Methyl-t-Butyl Ether (MTBE) | 1.0            | 1.0                   | 1  |             |
| Ethylbenzene           | ND             | 1.0                   | 1  |             | Tert-Butyl Alcohol (TBA)    | 170            | 10                    | 1  |             |
| Toluene                | ND             | 1.0                   | 1  |             | TPPH                        | 2300           | 50                    | 1  |             |
| Xylenes (total)        | ND             | 1.0                   | 1  |             |                             |                |                       |    |             |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> | <u>Surrogates:</u>          | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |
| Dibromofluoromethane   | 102            | 74-140                |    |             | 1,2-Dichloroethane-d4       | 105            | 74-146                |    |             |
| Toluene-d8             | 100            | 88-112                |    |             | Toluene-d8-TPPH             | 99             | 88-112                |    |             |
| 1,4-Bromofluorobenzene | 102            | 74-110                |    |             |                             |                |                       |    |             |

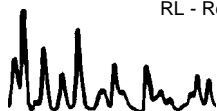
| Client Sample Number | Lab Sample Number     | Date/Time Collected   | Matrix         | Instrument      | Date Prepared   | Date/Time Analyzed    | QC Batch ID      |
|----------------------|-----------------------|-----------------------|----------------|-----------------|-----------------|-----------------------|------------------|
| <b>MW-3</b>          | <b>09-01-0294-2-A</b> | <b>01/05/09 11:25</b> | <b>Aqueous</b> | <b>GC/MS PP</b> | <b>01/13/09</b> | <b>01/13/09 20:36</b> | <b>090113L01</b> |

| Parameter              | Result         | RL                    | DF | Qual        | Parameter                   | Result         | RL                    | DF | Qual        |
|------------------------|----------------|-----------------------|----|-------------|-----------------------------|----------------|-----------------------|----|-------------|
| Benzene                | ND             | 0.50                  | 1  |             | Methyl-t-Butyl Ether (MTBE) | ND             | 1.0                   | 1  |             |
| Ethylbenzene           | ND             | 1.0                   | 1  |             | Tert-Butyl Alcohol (TBA)    | 13             | 10                    | 1  |             |
| Toluene                | ND             | 1.0                   | 1  |             | TPPH                        | 280            | 50                    | 1  |             |
| Xylenes (total)        | ND             | 1.0                   | 1  |             |                             |                |                       |    |             |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> | <u>Surrogates:</u>          | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |
| Dibromofluoromethane   | 101            | 74-140                |    |             | 1,2-Dichloroethane-d4       | 103            | 74-146                |    |             |
| Toluene-d8             | 101            | 88-112                |    |             | Toluene-d8-TPPH             | 100            | 88-112                |    |             |
| 1,4-Bromofluorobenzene | 101            | 74-110                |    |             |                             |                |                       |    |             |

| Client Sample Number | Lab Sample Number     | Date/Time Collected   | Matrix         | Instrument      | Date Prepared   | Date/Time Analyzed    | QC Batch ID      |
|----------------------|-----------------------|-----------------------|----------------|-----------------|-----------------|-----------------------|------------------|
| <b>MW-4</b>          | <b>09-01-0294-3-A</b> | <b>01/05/09 09:35</b> | <b>Aqueous</b> | <b>GC/MS PP</b> | <b>01/13/09</b> | <b>01/13/09 21:01</b> | <b>090113L01</b> |

| Parameter              | Result         | RL                    | DF | Qual        | Parameter                   | Result         | RL                    | DF | Qual        |
|------------------------|----------------|-----------------------|----|-------------|-----------------------------|----------------|-----------------------|----|-------------|
| Benzene                | ND             | 0.50                  | 1  |             | Methyl-t-Butyl Ether (MTBE) | ND             | 1.0                   | 1  |             |
| Ethylbenzene           | ND             | 1.0                   | 1  |             | Tert-Butyl Alcohol (TBA)    | ND             | 10                    | 1  |             |
| Toluene                | ND             | 1.0                   | 1  |             | TPPH                        | ND             | 50                    | 1  |             |
| Xylenes (total)        | ND             | 1.0                   | 1  |             |                             |                |                       |    |             |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> | <u>Surrogates:</u>          | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |
| Dibromofluoromethane   | 101            | 74-140                |    |             | 1,2-Dichloroethane-d4       | 105            | 74-146                |    |             |
| Toluene-d8             | 100            | 88-112                |    |             | Toluene-d8-TPPH             | 99             | 88-112                |    |             |
| 1,4-Bromofluorobenzene | 101            | 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: 01/07/09  
Work Order No: 09-01-0294  
Preparation: EPA 5030B  
Method: LUFT GC/MS / EPA 8260B  
Units: ug/L

Project: 11989 Dublin Blvd., Dublin, CA

Page 2 of 3

| Client Sample Number | Lab Sample Number     | Date/Time Collected   | Matrix         | Instrument      | Date Prepared   | Date/Time Analyzed    | QC Batch ID      |
|----------------------|-----------------------|-----------------------|----------------|-----------------|-----------------|-----------------------|------------------|
| <b>MW-5</b>          | <b>09-01-0294-4-A</b> | <b>01/05/09 10:35</b> | <b>Aqueous</b> | <b>GC/MS PP</b> | <b>01/13/09</b> | <b>01/14/09 02:07</b> | <b>090113L02</b> |

| Parameter              | Result         | RL                    | DF | Qual        | Parameter                   | Result         | RL                    | DF | Qual        |
|------------------------|----------------|-----------------------|----|-------------|-----------------------------|----------------|-----------------------|----|-------------|
| Benzene                | ND             | 0.50                  | 1  |             | Methyl-t-Butyl Ether (MTBE) | ND             | 1.0                   | 1  |             |
| Ethylbenzene           | ND             | 1.0                   | 1  |             | Tert-Butyl Alcohol (TBA)    | ND             | 10                    | 1  |             |
| Toluene                | ND             | 1.0                   | 1  |             | TPPH                        | ND             | 50                    | 1  |             |
| Xylenes (total)        | ND             | 1.0                   | 1  |             |                             |                |                       |    |             |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> | <u>Surrogates:</u>          | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |
| Dibromofluoromethane   | 101            | 74-140                |    |             | 1,2-Dichloroethane-d4       | 104            | 74-146                |    |             |
| Toluene-d8             | 100            | 88-112                |    |             | Toluene-d8-TPPH             | 99             | 88-112                |    |             |
| 1,4-Bromofluorobenzene | 100            | 74-110                |    |             |                             |                |                       |    |             |

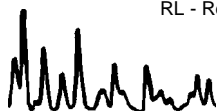
| Client Sample Number | Lab Sample Number     | Date/Time Collected   | Matrix         | Instrument      | Date Prepared   | Date/Time Analyzed    | QC Batch ID      |
|----------------------|-----------------------|-----------------------|----------------|-----------------|-----------------|-----------------------|------------------|
| <b>MW-6</b>          | <b>09-01-0294-5-A</b> | <b>01/05/09 10:20</b> | <b>Aqueous</b> | <b>GC/MS PP</b> | <b>01/13/09</b> | <b>01/14/09 02:33</b> | <b>090113L02</b> |

| Parameter              | Result         | RL                    | DF | Qual        | Parameter                   | Result         | RL                    | DF | Qual        |
|------------------------|----------------|-----------------------|----|-------------|-----------------------------|----------------|-----------------------|----|-------------|
| Benzene                | ND             | 0.50                  | 1  |             | Methyl-t-Butyl Ether (MTBE) | ND             | 1.0                   | 1  |             |
| Ethylbenzene           | ND             | 1.0                   | 1  |             | Tert-Butyl Alcohol (TBA)    | ND             | 10                    | 1  |             |
| Toluene                | ND             | 1.0                   | 1  |             | TPPH                        | ND             | 50                    | 1  |             |
| Xylenes (total)        | ND             | 1.0                   | 1  |             |                             |                |                       |    |             |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> | <u>Surrogates:</u>          | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |
| Dibromofluoromethane   | 101            | 74-140                |    |             | 1,2-Dichloroethane-d4       | 105            | 74-146                |    |             |
| Toluene-d8             | 99             | 88-112                |    |             | Toluene-d8-TPPH             | 99             | 88-112                |    |             |
| 1,4-Bromofluorobenzene | 101            | 74-110                |    |             |                             |                |                       |    |             |

| Client Sample Number | Lab Sample Number     | Date/Time Collected   | Matrix         | Instrument      | Date Prepared   | Date/Time Analyzed    | QC Batch ID      |
|----------------------|-----------------------|-----------------------|----------------|-----------------|-----------------|-----------------------|------------------|
| <b>MW-7</b>          | <b>09-01-0294-6-A</b> | <b>01/05/09 10:05</b> | <b>Aqueous</b> | <b>GC/MS PP</b> | <b>01/13/09</b> | <b>01/13/09 17:13</b> | <b>090113L01</b> |

| Parameter              | Result         | RL                    | DF | Qual        | Parameter                   | Result         | RL                    | DF | Qual        |
|------------------------|----------------|-----------------------|----|-------------|-----------------------------|----------------|-----------------------|----|-------------|
| Benzene                | ND             | 0.50                  | 1  |             | Methyl-t-Butyl Ether (MTBE) | ND             | 1.0                   | 1  |             |
| Ethylbenzene           | ND             | 1.0                   | 1  |             | Tert-Butyl Alcohol (TBA)    | ND             | 10                    | 1  |             |
| Toluene                | ND             | 1.0                   | 1  |             | TPPH                        | ND             | 50                    | 1  |             |
| Xylenes (total)        | ND             | 1.0                   | 1  |             |                             |                |                       |    |             |
| <u>Surrogates:</u>     | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> | <u>Surrogates:</u>          | <u>REC (%)</u> | <u>Control Limits</u> |    | <u>Qual</u> |
| Dibromofluoromethane   | 100            | 74-140                |    |             | 1,2-Dichloroethane-d4       | 101            | 74-146                |    |             |
| Toluene-d8             | 99             | 88-112                |    |             | Toluene-d8-TPPH             | 99             | 88-112                |    |             |
| 1,4-Bromofluorobenzene | 100            | 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: 01/07/09  
 Work Order No: 09-01-0294  
 Preparation: EPA 5030B  
 Method: LUFT GC/MS / EPA 8260B  
 Units: ug/L

Project: 11989 Dublin Blvd., Dublin, CA

Page 3 of 3

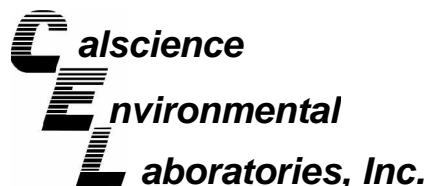
| Client Sample Number | Lab Sample Number     | Date/Time Collected | Matrix         | Instrument      | Date Prepared   | Date/Time Analyzed    | QC Batch ID      |
|----------------------|-----------------------|---------------------|----------------|-----------------|-----------------|-----------------------|------------------|
| <b>Method Blank</b>  | <b>099-12-767-836</b> | <b>N/A</b>          | <b>Aqueous</b> | <b>GC/MS PP</b> | <b>01/13/09</b> | <b>01/13/09 16:48</b> | <b>090113L01</b> |

| Parameter              | Result         | RL                    | DF | Qual        | Parameter                   | Result         | RL                    | DF | Qual        |
|------------------------|----------------|-----------------------|----|-------------|-----------------------------|----------------|-----------------------|----|-------------|
| Benzene                | ND             | 0.50                  | 1  |             | Methyl-t-Butyl Ether (MTBE) | ND             | 1.0                   | 1  |             |
| Ethylbenzene           | ND             | 1.0                   | 1  |             | Tert-Butyl Alcohol (TBA)    | ND             | 10                    | 1  |             |
| Toluene                | ND             | 1.0                   | 1  |             | TPPH                        | ND             | 50                    | 1  |             |
| Xylenes (total)        | ND             | 1.0                   | 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       | 102            | 74-146                |    |             |
| Toluene-d8             | 100            | 88-112                |    |             | Toluene-d8-TPPH             | 99             | 88-112                |    |             |
| 1,4-Bromofluorobenzene | 100            | 74-110                |    |             |                             |                |                       |    |             |

| Client Sample Number | Lab Sample Number     | Date/Time Collected | Matrix         | Instrument      | Date Prepared   | Date/Time Analyzed    | QC Batch ID      |
|----------------------|-----------------------|---------------------|----------------|-----------------|-----------------|-----------------------|------------------|
| <b>Method Blank</b>  | <b>099-12-767-840</b> | <b>N/A</b>          | <b>Aqueous</b> | <b>GC/MS PP</b> | <b>01/13/09</b> | <b>01/14/09 01:41</b> | <b>090113L02</b> |

| Parameter              | Result         | RL                    | DF | Qual        | Parameter                   | Result         | RL                    | DF | Qual        |
|------------------------|----------------|-----------------------|----|-------------|-----------------------------|----------------|-----------------------|----|-------------|
| Benzene                | ND             | 0.50                  | 1  |             | Methyl-t-Butyl Ether (MTBE) | ND             | 1.0                   | 1  |             |
| Ethylbenzene           | ND             | 1.0                   | 1  |             | Tert-Butyl Alcohol (TBA)    | ND             | 10                    | 1  |             |
| Toluene                | ND             | 1.0                   | 1  |             | TPPH                        | ND             | 50                    | 1  |             |
| Xylenes (total)        | ND             | 1.0                   | 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       | 107            | 74-146                |    |             |
| Toluene-d8             | 100            | 88-112                |    |             | Toluene-d8-TPPH             | 100            | 88-112                |    |             |
| 1,4-Bromofluorobenzene | 101            | 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

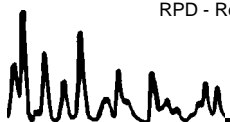
Date Received: 01/07/09  
Work Order No: 09-01-0294  
Preparation: EPA 5030B  
Method: LUFT GC/MS / EPA  
8260B

Project 11989 Dublin Blvd., Dublin, CA

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| MW-7                      | Aqueous | GC/MS PP   | 01/13/09      | 01/13/09      | 090113S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 92      | 91       | 88-118  | 1   | 0-7    |            |
| Carbon Tetrachloride          | 89      | 87       | 67-145  | 2   | 0-11   |            |
| Chlorobenzene                 | 95      | 93       | 88-118  | 2   | 0-7    |            |
| 1,2-Dibromoethane             | 97      | 98       | 70-130  | 1   | 0-30   |            |
| 1,2-Dichlorobenzene           | 93      | 98       | 86-116  | 5   | 0-8    |            |
| 1,1-Dichloroethene            | 93      | 90       | 70-130  | 3   | 0-25   |            |
| Ethylbenzene                  | 94      | 92       | 70-130  | 3   | 0-30   |            |
| Toluene                       | 93      | 91       | 87-123  | 2   | 0-8    |            |
| Trichloroethene               | 90      | 88       | 79-127  | 3   | 0-10   |            |
| Vinyl Chloride                | 82      | 81       | 69-129  | 1   | 0-13   |            |
| Methyl-t-Butyl Ether (MTBE)   | 100     | 101      | 71-131  | 0   | 0-13   |            |
| Tert-Butyl Alcohol (TBA)      | 83      | 90       | 36-168  | 8   | 0-45   |            |
| Diisopropyl Ether (DIPE)      | 99      | 99       | 81-123  | 1   | 0-9    |            |
| Ethyl-t-Butyl Ether (ETBE)    | 101     | 100      | 72-126  | 1   | 0-12   |            |
| Tert-Amyl-Methyl Ether (TAME) | 99      | 99       | 72-126  | 0   | 0-12   |            |
| Ethanol                       | 82      | 76       | 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: 09-01-0294  
Preparation: EPA 5030B  
Method: LUFT GC/MS / EPA 8260B

Project: 11989 Dublin Blvd., Dublin, CA

| Quality Control Sample ID     | Matrix   | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------|------------|---------------|---------------|-----------------------|--------|------------|
| 099-12-767-836                | Aqueous  | GC/MS PP   | 01/13/09      | 01/13/09      | 090113L01             |        |            |
| Parameter                     | LCS %REC | LCSD %REC  | %REC CL       | ME CL         | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 101      | 101        | 84-120        | 78-126        | 0                     | 0-8    |            |
| Carbon Tetrachloride          | 100      | 100        | 63-147        | 49-161        | 0                     | 0-10   |            |
| Chlorobenzene                 | 103      | 103        | 89-119        | 84-124        | 0                     | 0-7    |            |
| 1,2-Dibromoethane             | 104      | 103        | 80-120        | 73-127        | 0                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 100      | 105        | 89-119        | 84-124        | 4                     | 0-9    |            |
| 1,1-Dichloroethene            | 103      | 103        | 77-125        | 69-133        | 1                     | 0-16   |            |
| Ethylbenzene                  | 103      | 103        | 80-120        | 73-127        | 0                     | 0-20   |            |
| Toluene                       | 101      | 101        | 83-125        | 76-132        | 0                     | 0-9    |            |
| Trichloroethene               | 103      | 101        | 89-119        | 84-124        | 2                     | 0-8    |            |
| Vinyl Chloride                | 94       | 97         | 63-135        | 51-147        | 3                     | 0-13   |            |
| Methyl-t-Butyl Ether (MTBE)   | 102      | 102        | 82-118        | 76-124        | 0                     | 0-13   |            |
| Tert-Butyl Alcohol (TBA)      | 106      | 113        | 46-154        | 28-172        | 6                     | 0-32   |            |
| Diisopropyl Ether (DIPE)      | 103      | 103        | 81-123        | 74-130        | 0                     | 0-11   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 103      | 103        | 74-122        | 66-130        | 0                     | 0-12   |            |
| Tert-Amyl-Methyl Ether (TAME) | 101      | 101        | 76-124        | 68-132        | 1                     | 0-10   |            |
| Ethanol                       | 97       | 103        | 60-138        | 47-151        | 6                     | 0-32   |            |
| TPPH                          | 95       | 96         | 65-135        | 53-147        | 1                     | 0-30   |            |

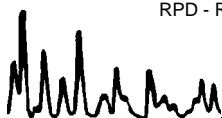
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit







## Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 09-01-0294  
Preparation: EPA 5030B  
Method: LUFT GC/MS / EPA 8260B

Project: 11989 Dublin Blvd., Dublin, CA

| Quality Control Sample ID     | Matrix   | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |        |            |
|-------------------------------|----------|------------|---------------|---------------|-----------------------|--------|------------|
| 099-12-767-840                | Aqueous  | GC/MS PP   | 01/13/09      | 01/14/09      | 090113L02             |        |            |
| Parameter                     | LCS %REC | LCSD %REC  | %REC CL       | ME CL         | RPD                   | RPD CL | Qualifiers |
| Benzene                       | 90       | 95         | 84-120        | 78-126        | 5                     | 0-8    |            |
| Carbon Tetrachloride          | 83       | 87         | 63-147        | 49-161        | 5                     | 0-10   |            |
| Chlorobenzene                 | 93       | 96         | 89-119        | 84-124        | 4                     | 0-7    |            |
| 1,2-Dibromoethane             | 99       | 102        | 80-120        | 73-127        | 3                     | 0-20   |            |
| 1,2-Dichlorobenzene           | 97       | 101        | 89-119        | 84-124        | 4                     | 0-9    |            |
| 1,1-Dichloroethene            | 90       | 94         | 77-125        | 69-133        | 5                     | 0-16   |            |
| Ethylbenzene                  | 89       | 94         | 80-120        | 73-127        | 5                     | 0-20   |            |
| Toluene                       | 90       | 94         | 83-125        | 76-132        | 5                     | 0-9    |            |
| Trichloroethene               | 90       | 96         | 89-119        | 84-124        | 6                     | 0-8    |            |
| Vinyl Chloride                | 78       | 82         | 63-135        | 51-147        | 5                     | 0-13   |            |
| Methyl-t-Butyl Ether (MTBE)   | 104      | 106        | 82-118        | 76-124        | 1                     | 0-13   |            |
| Tert-Butyl Alcohol (TBA)      | 89       | 92         | 46-154        | 28-172        | 3                     | 0-32   |            |
| Diisopropyl Ether (DIPE)      | 102      | 104        | 81-123        | 74-130        | 2                     | 0-11   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 104      | 106        | 74-122        | 66-130        | 2                     | 0-12   |            |
| Tert-Amyl-Methyl Ether (TAME) | 102      | 105        | 76-124        | 68-132        | 3                     | 0-10   |            |
| Ethanol                       | 82       | 91         | 60-138        | 47-151        | 10                    | 0-32   |            |
| TPPH                          | 86       | 87         | 65-135        | 53-147        | 1                     | 0-30   |            |

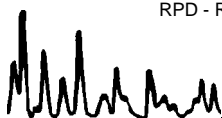
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 09-01-0294

| <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 (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.     |
| 4                | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.   |
| 5                | The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required. |
| A                | Result is the average of all dilutions, as defined by the method.   |
| B                | Analyte was present in the associated method blank.   |
| C                | Analyte presence was not confirmed on primary column.   |
| E                | Concentration exceeds the calibration range.  |
| 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.   |
| ME               | LCS Recovery Percentage is within LCS ME Control Limit range.   |
| N                | Nontarget Analyte.  |
| ND               | Parameter not detected at the indicated reporting limit.  |
| Q                | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.   |
| U                | Undetected at the laboratory method detection limit.  |
| X                | % Recovery and/or RPD out-of-range.   |
| Z                | Analyte presence was not confirmed by second column or GC/MS analysis.  |



LAB (LOCATION)



Shell Oil Products Chain Of Custody Record

- CALSCIENCE ( )
- SPL ( )
- XENCO ( )
- TEST AMERICA ( )
- OTHER ( )

Please Check Appropriate Box:

|   |  |                                       |
|---|--|---------------------------------------|
| <input checked="" type="checkbox"/> ENV. SERVICES | <input type="checkbox"/> MOTIVA RETAIL | <input type="checkbox"/> SHELL RETAIL |
| <input type="checkbox"/> MOTIVA SD&CM             | <input type="checkbox"/> CONSULTANT    | <input type="checkbox"/> LUBES        |
| <input type="checkbox"/> SHELL PIPELINE           | <input type="checkbox"/> OTHER         |                                       |

Print Bill To Contact Name: **Denis Brown**

INCIDENT # (ENV SERVICES): **9 8 9 9 5 3 2 8**

PO # \_\_\_\_\_ SAP # \_\_\_\_\_

CHECK IF NO INCIDENT # APPLIES

DATE: **1/5/09**

PAGE: **1** of **1**

SAMPLING COMPANY: **Blaine Tech Services** LOG CODE: **BTSS**

ADDRESS: **1680 Rogers Ave, 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**

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

LA - RWQCB REPORT FORMAT  UST AGENCY:

SITE ADDRESS: Street and City: **11989 Dublin Blvd., Dublin** State: **CA** GLOBAL ID NO: **T0600102083**

EDF DELIVERABLE TO (Name, Company, Office Location): **Jon Suing, Delta, Monrovia Office** PHONE NO: **626.256.6662** E-MAIL: **jsuing@deltaenv.com** CONSULTANT PROJECT NO: **090105-2e1**

SAMPLER NAME(S) (P/N): **D. Raynal** LAB USE ONLY: **09-01-0294**

SPECIAL INSTRUCTIONS OR NOTES :

**CC Rich Garlow rgarlow@deltaenv.com with final report.**

**Run TPH-d w/Silica Gel Clean Up**

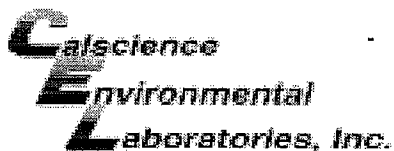
SHELL CONTRACT RATE APPLIES  
 STATE REIMBURSEMENT RATE APPLIES  
 EDD NOT NEEDED  
 RECEIPT VERIFICATION REQUESTED

| LAB USE ONLY | Field Sample Identification | SAMPLING |      | MATRIX | PRESERVATIVE |      |       |      |       | NO. OF CONT. | REQUESTED ANALYSIS      |                           |              |                      |              |             |              |              |              |                 |             | TEMPERATURE ON RECEIPT °C | Container PID Readings or Laboratory Notes |                 |                  |  |  |
|--------------|-----------------------------|----------|------|--------|--------------|------|-------|------|-------|--------------|-------------------------|---------------------------|--------------|----------------------|--------------|-------------|--------------|--------------|--------------|-----------------|-------------|---------------------------|--|-----------------|------------------|--|--|
|              |                             | DATE     | TIME |        | HCL          | HNO3 | H2SO4 | NONE | OTHER |              | TPH - Purgeable (8260B) | TPH - Extractable (8015M) | BTEX (8260B) | 5 Oxygenates (8260B) | MTBE (8260B) | TBA (8260B) | DIPE (8260B) | TAME (8260B) | ETBE (8260B) | 1,2 DCA (8260B) | EDB (8260B) |                           |  | Ethanol (8260B) | Methanol (8015M) |  |  |
|              | 1 MW-2                      | 1/5/09   | 1135 | W      | X            |      |       |      |       |              | 3                       | X                         | X            | X                    | X            |             |              |              |              |                 |             |                           |  |                 |                  |  |  |
|              | 2 MW-3                      |          | 1125 | W      | X            |      |       |      |       |              | 3                       | X                         | X            | X                    | X            |             |              |              |              |                 |             |                           |  |                 |                  |  |  |
|              | 3 MW-4                      |          | 0935 | W      | X            |      |       |      |       |              | 3                       | X                         | X            | X                    | X            |             |              |              |              |                 |             |                           |  |                 |                  |  |  |
|              | 4 MW-5                      |          | 1035 | W      | X            |      |       |      |       |              | 3                       | X                         | X            | X                    | X            |             |              |              |              |                 |             |                           |  |                 |                  |  |  |
|              | 5 MW-6                      |          | 1020 | W      | X            |      |       |      |       |              | 3                       | X                         | X            | X                    | X            |             |              |              |              |                 |             |                           |  |                 |                  |  |  |
|              | 6 MW-7                      |          | 1005 | W      | X            |      |       |      |       |              | 3                       | X                         | X            | X                    | X            |             |              |              |              |                 |             |                           |  |                 |                  |  |  |

|  |  |                       |                   |
|--|--|-----------------------|-------------------|
| Relinquished by: (Signature) <i>[Signature]</i>                    | Received by: (Signature) <i>[Signature] (sample custodian)</i> | Date: <b>01/05/09</b> | Time: <b>1650</b> |
| Relinquished by: (Signature) <i>[Signature] (Sample Custodian)</i> | Received by: (Signature) <i>Tom O'Malley CEC</i>               | Date: <b>1/6/09</b>   | Time: <b>0955</b> |
| Relinquished by: (Signature) <i>[Signature]</i>                    | Received by: (Signature) <i>[Signature]</i>                    | Date: <b>1/7/09</b>   | Time: <b>1000</b> |

TO 1-6-09  
 CSO 1-7-09  
 511630999

*[Signature]*



WORK ORDER #: 09-01-0294

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 01/07/09

**TEMPERATURE:** (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 2.8 °C - 0.2°C (CF) = 2.6 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

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

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

Ambient Temperature:  Air  Filter  Metals Only  PCBs Only Initial: [Signature]

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: [Signature]

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: [Signature]

**SAMPLE CONDITION:**

|   | Yes                                 | No                       | N/A                                 |
|---|-------------------------------------|--------------------------|-------------------------------------|
| Chain-Of-Custody (COC) document(s) received with samples..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| COC document(s) received complete.....                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Sampler's name indicated on COC.....                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Sample container label(s) consistent with COC.....            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Sample container(s) intact and good condition.....            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Correct containers and volume for analyses requested.....     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Analyses received within holding time.....                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Proper preservation noted on COC or sample container.....     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Volatile analysis container(s) free of headspace.....         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| Tedlar bag(s) free of condensation.....                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**CONTAINER TYPE:**

**Solid:**  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve  EnCores®  TerraCores®  \_\_\_\_\_

**Water:**  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBpo<sub>4</sub>  1AGB  1AGBna<sub>2</sub>

1AGBs  500AGB  500AGBs  250CGB  250CGBs  1PB  500PB  500PBna  250PB

250PBn  125PB  125PBzanna  100PBsterile  100PBna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

**Air:**  Tedlar®  Summa®  \_\_\_\_\_

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO<sub>3</sub> na<sub>2</sub>:Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na:NaOH po<sub>4</sub>:H<sub>3</sub>PO<sub>4</sub> s:H<sub>2</sub>SO<sub>4</sub> zanna:ZnAc<sub>2</sub>+NaOH

Checked/Labeled by: [Signature]

Reviewed by: [Signature]

Scanned by: [Signature]