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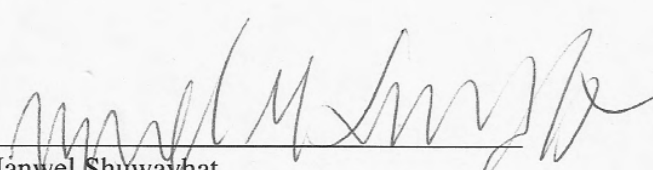
Allterra Environmental, Inc.  
849 Almar Avenue, Suite C  
No. 281  
Santa Cruz, California 95060

**Client:** Manwel Shuwayhat  
**Project Location:** 160 Holmes Street, Livermore, California  
**Subject:** First Quarter 2012 Groundwater Monitoring Report  
**Report Date:** April 12, 2012

To Whom It May Concern:

I have reviewed the report referenced above and approve its distribution to the necessary regulatory agencies. Should any of the regulatory agencies require it, "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached proposal or report is true and correct to the best of my knowledge."

Sincerely,

  
\_\_\_\_\_  
Manwel Shuwayhat



**First Quarter 2012 Groundwater Monitoring Report  
Fuel Leak Case No. RO0000324, Livermore Gas and Mini Mart  
160 Holmes Street, Livermore, California**

*Date:*  
April 12, 2012

*Project No.:*  
160

*Prepared For:*  
Livermore Gas and Mini mart  
Attention: Manwel and Samira Shuwayhat  
54 Wolfe Canyon Road  
Kentfield, California 94904

**Allterra Environmental, Inc.**  
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April 12, 2012  
*Project No.: 160*

Manwel and Samira Shuwayhat  
Livermore Gas and Mini Mart  
54 Wolfe Canyon Road  
Kentfield, California 94904

**SUBJECT: First Quarter 2012 Groundwater Monitoring Report for Fuel Leak Case No. RO0000324, Livermore Gas and Mini Mart, 160 Holmes Street, Livermore, California**

Dear Mr. and Mrs. Shuwayhat:

On your behalf, Allterra Environmental, Inc. (Allterra) has prepared this First Quarter 2012 Groundwater Monitoring Report for the property located at 160 Holmes Street in Livermore, California (Site). This report describes the field and analytical methods, provides a summary of groundwater monitoring results, and presents conclusions and recommendations regarding groundwater conditions at the Site. Monitoring activities were completed in accordance with Alameda County Environmental Health Services (ACEHS) and Regional Water Quality Control Board (RWQCB) guidelines, and Allterra's protocols presented in Appendix A.

### **Site Location and Description**

The Site is located on the southwest corner of Holmes Street and 2nd Street at 160 Holmes Street in Livermore, California (Figure 1). The Site currently operates as a service station and convenience store. The Site is paved with concrete and asphalt, and a canopy covers the fuel dispensers. Pertinent site features, such as monitoring well locations, are presented on Figure 2.

### **Groundwater Monitoring for First Quarter 2012**

#### Field Activities

On February 1 and 2, 2012, Allterra conducted groundwater monitoring at nine on-site and off-site monitoring wells (MW-1B, MW-5B, MW-6, MW-7B/C, MW-8A/B, MW-9A/B) and three on-site extraction wells (EW-1 through EW-3). Six monitoring wells (MW-1A, MW-2A, MW-3A, MW-4A, MW-5A, MW-7A) were dry and were not sampled during this event. Groundwater monitoring activities included the measurement of static groundwater levels, an evaluation of groundwater in the wells for the presence of petroleum hydrocarbons, field parameter testing, and groundwater quality sampling. Prior to sampling, all groundwater wells were purged using disposable bailers until temperature, color, specific conductance, and turbidity readings had stabilized or until at least three casing volumes had been removed. Groundwater sampling field logs are included in Appendix B.

#### Laboratory Analysis

Groundwater samples collected from the monitoring wells and the extraction wells were submitted under chain-of-custody documentation to McCampbell Analytical, Inc., of Pittsburg,

California, a State of California certified laboratory (ELAP #1644). All samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA method 8015B, and for benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tert-butyl ether (MTBE) by EPA Method 8021B. Additionally, select wells were tested for total petroleum hydrocarbons as diesel (TPHd) by EPA method 8015B, fuel oxygenates tert-amyl methyl ether (TAME), tert-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and MTBE, and lead scavengers 1,2-dibromoethane (EDB) and 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B. Copies of the chain-of-custody documentation and the certified analytical report, including quality assurance and quality control (QA/QC) data, are included in Appendix C.

#### Groundwater Gradient and Flow Direction

On February 1, 2011, Allterra personnel measured and recorded depths to groundwater from the tops of well casings (TOC) for each well. Recorded depths to groundwater ranged from 28.76 to 34.14 feet below TOC. The surveyed elevations of each well casing (measured in feet relative to mean sea level), depths to groundwater, and calculated groundwater elevations are presented in Table 1. Based on the number of dry wells observed during the February 2012 monitoring event, the shallow groundwater flow direction and horizontal gradient were not calculated. It is our opinion that current groundwater conditions are likely consistent with previous monitoring events.

#### Analytical Results

Petroleum constituents were detected in seven of the twelve wells sampled during this event. A summary of current and historical groundwater analytical results is presented in Table 2. Additionally, concentrations of dissolved TPHg, TPHd, benzene, and MTBE in groundwater are shown on Figures 3 through 5. Time trend plots for contaminant concentrations in wells MW-1A, MW-7A, EW-1, and EW-3 are presented on Figures 6 through 13. A discussion of current groundwater analytical results is presented below:

- TPHg was detected in three wells at concentrations ranging from 59 micrograms per liter ( $\mu\text{g/L}$ ) in EW-1 to 1,600  $\mu\text{g/L}$  in EW-3.
- TPHd was detected in two wells at concentrations of 57  $\mu\text{g/L}$  in EW-1 and 510  $\mu\text{g/L}$  in EW-3.
- Benzene was not detected at or above laboratory reporting limits in any of the samples collected.
- Toluene was detected in three wells at concentrations ranging from 1.1  $\mu\text{g/L}$  in EW-1 to 13  $\mu\text{g/L}$  in EW-3.
- Ethylbenzene was detected in one well (EW-3) at a concentration of 10  $\mu\text{g/L}$ .
- Xylenes were detected in two wells at concentrations of 0.68  $\mu\text{g/L}$  in EW-1 and 35  $\mu\text{g/L}$  in EW-3.

- MTBE was detected in five wells at concentrations ranging from 1.2 µg/L in MW-9A to 26,000 µg/L in EW-3.
- TBA was detected in six wells at concentrations ranging from 89 µg/L in MW-9B to 62,000 µg/L in EW-3.

## Conclusions

Based on the current groundwater monitoring data, Allterra concludes the following:

- Due to numerous dry wells, the shallow groundwater flow direction and horizontal gradient were not calculated for this event but is likely consistent with previous monitoring events.
- For the February 2012 monitoring event, petroleum constituents were detected at or above laboratory detection limits in seven of the twelve wells sampled. The highest concentrations of petroleum constituents remaining in shallow groundwater appear to be limited to the area around well EW-3.
- The highest level of MTBE was detected in extraction well EW-3 (26,000 µg/L), which has a screen interval from 25 to 30 feet bgs. The highest concentration of TPHg was also found in EW-3 (1,600 µg/L).
- Since April 2011, petroleum constituents in groundwater have generally exhibited decreasing trends throughout the in-situ treatment zone. Substantial contaminant reduction has occurred in key wells MW-1A, MW-7A, EW-1, and EW-3 located within and downgradient of the source area. Generally, after an initial increase in contaminant levels in EW-3, concentrations are now displaying decreasing trends.
- Decreasing trends in petroleum constituents in shallow groundwater indicate that in-situ remedial efforts have been effective in treating soil and groundwater in the source area at the Site, and continues to actively address residual contaminates.

## Recommendations

Based on the conclusions presented above, Allterra recommends the following:

- Continue with the current quarterly groundwater monitoring at the Site for the purpose of closely monitoring potential contaminant rebound under varying seasonal conditions.
- All wells will continue to be sampled and analyzed for TPHg, BTEX, and MTBE on a quarterly basis. Only select wells will be analyzed for TPHd, 5-fuel oxygenates, and lead scavengers on a quarterly basis.
- Evaluate the Site as a potential candidate for low-risk case closure.

### **Limitations**

Allterra prepared this report for the use of Livermore Gas and Mini Mart, ACEHS and RWQCB in evaluating groundwater quality at selected locations at the time of this study. Statements, conclusions, and recommendations in this report are based solely on the field observations and analytical results related to work performed by Allterra and there is no warranty, expressed or implied. Site conditions and data can change over time; therefore, data presented in this report is only applicable to the timeframe of this study. Allterra's services have been performed in accordance with environmental principles generally accepted at this time and location.

Should you have any questions, please contact Allterra at (831) 425-2608.

Sincerely,  
Allterra Environmental, Inc.



Aaron Powers  
Staff Geologist



Joe Mangine, P.G. 8423  
Senior Geologist

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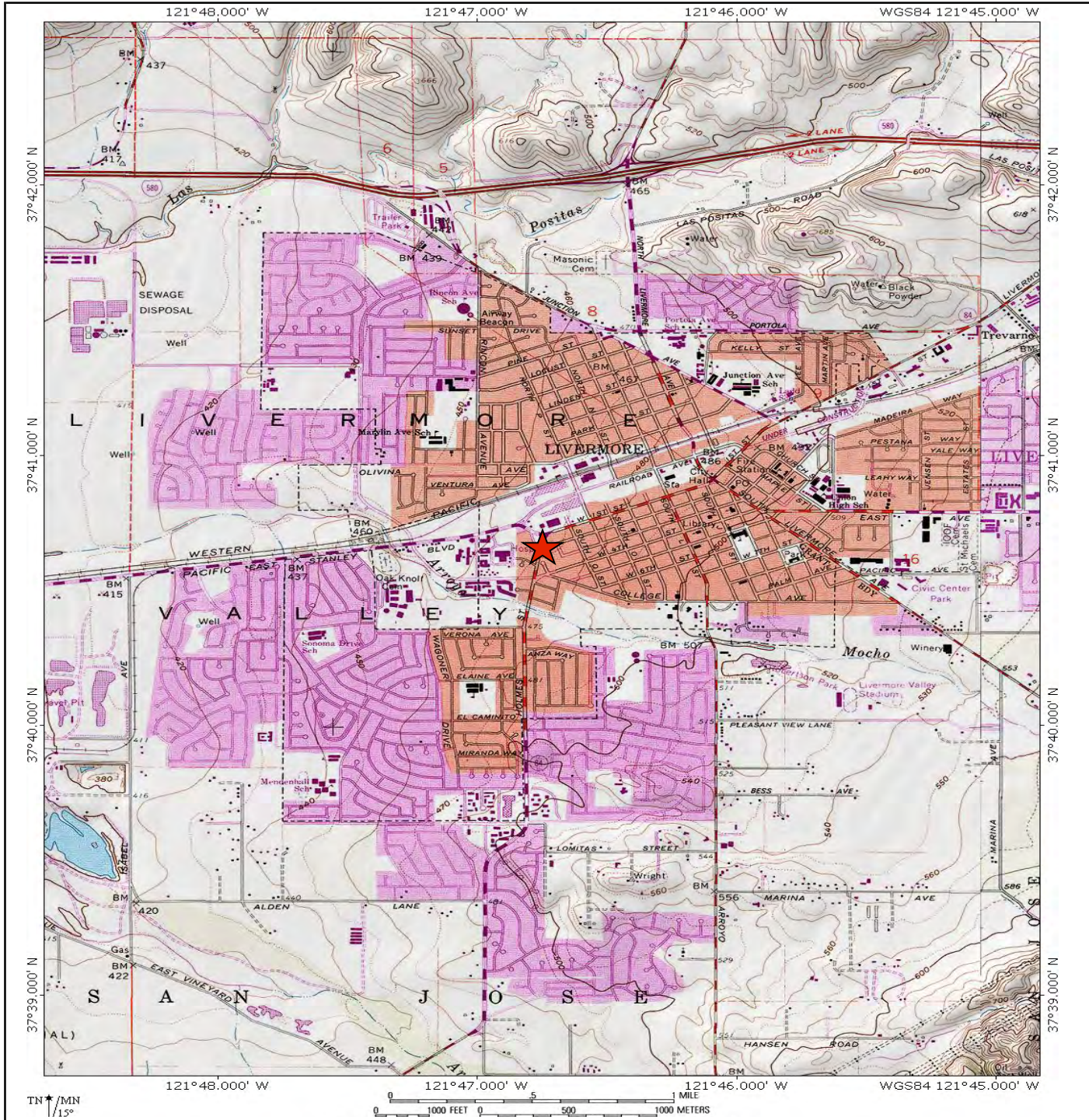
Appendix B, Groundwater Sampling Field Logs

Appendix C, Certified Analytical Report and Chain-of-Custody

cc: Jerry Wickam, ACEHS

FIGURES 1 - 13



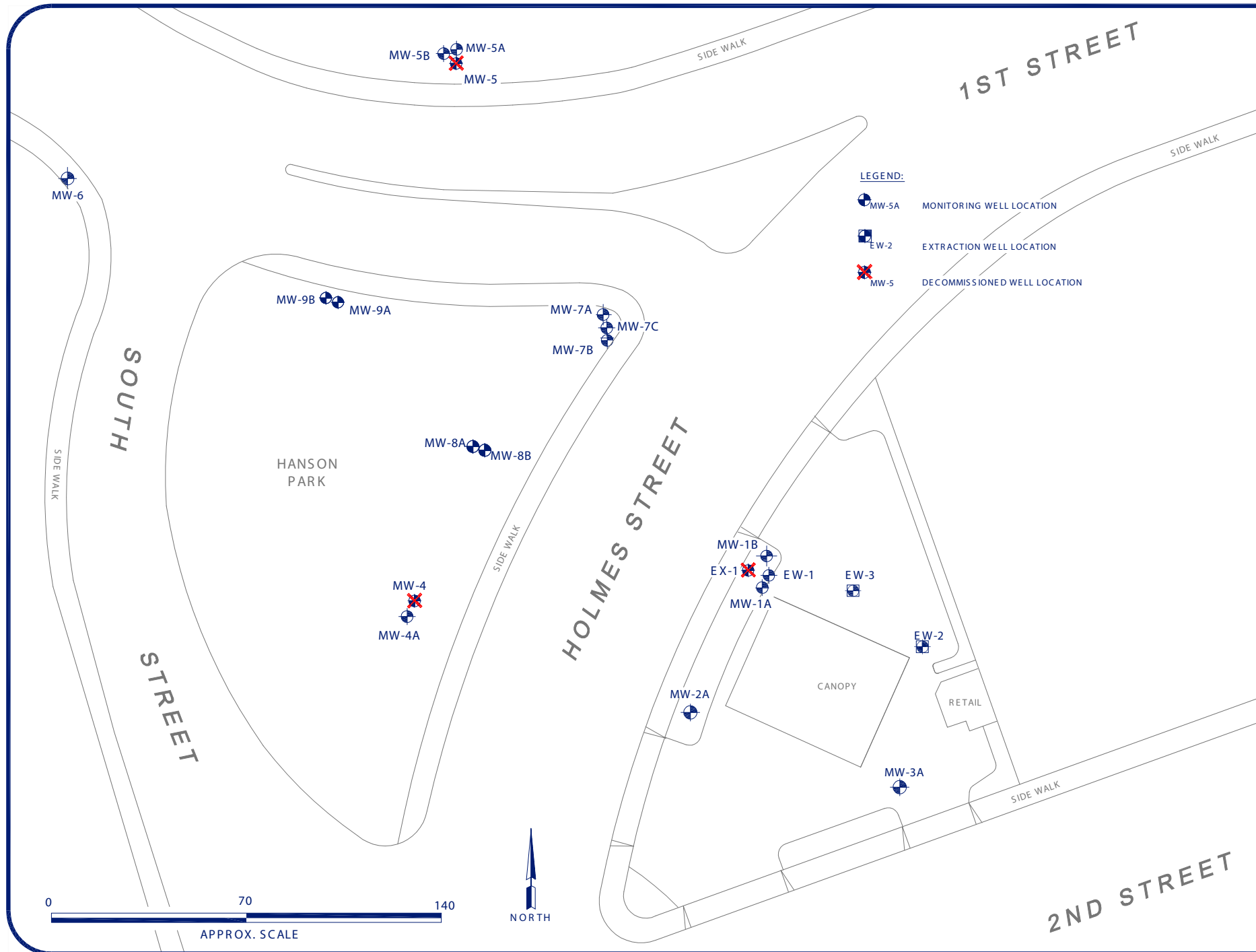


**Vicinity Map**  
 Livermore Gas and Minimart  
 160 Holmes Street  
 Livermore, California

Figure 1

3/14/12

**ALLTERRA**  
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 Santa Cruz, California  
<http://www.allterraenv.com>



General Notes

stamp

160 HOLMES STREET, LIVERMORE, CALIFORNIA  
GROUNDWATER MONITORING REPORT

PREPARED BY :  
**ALLTERRA**

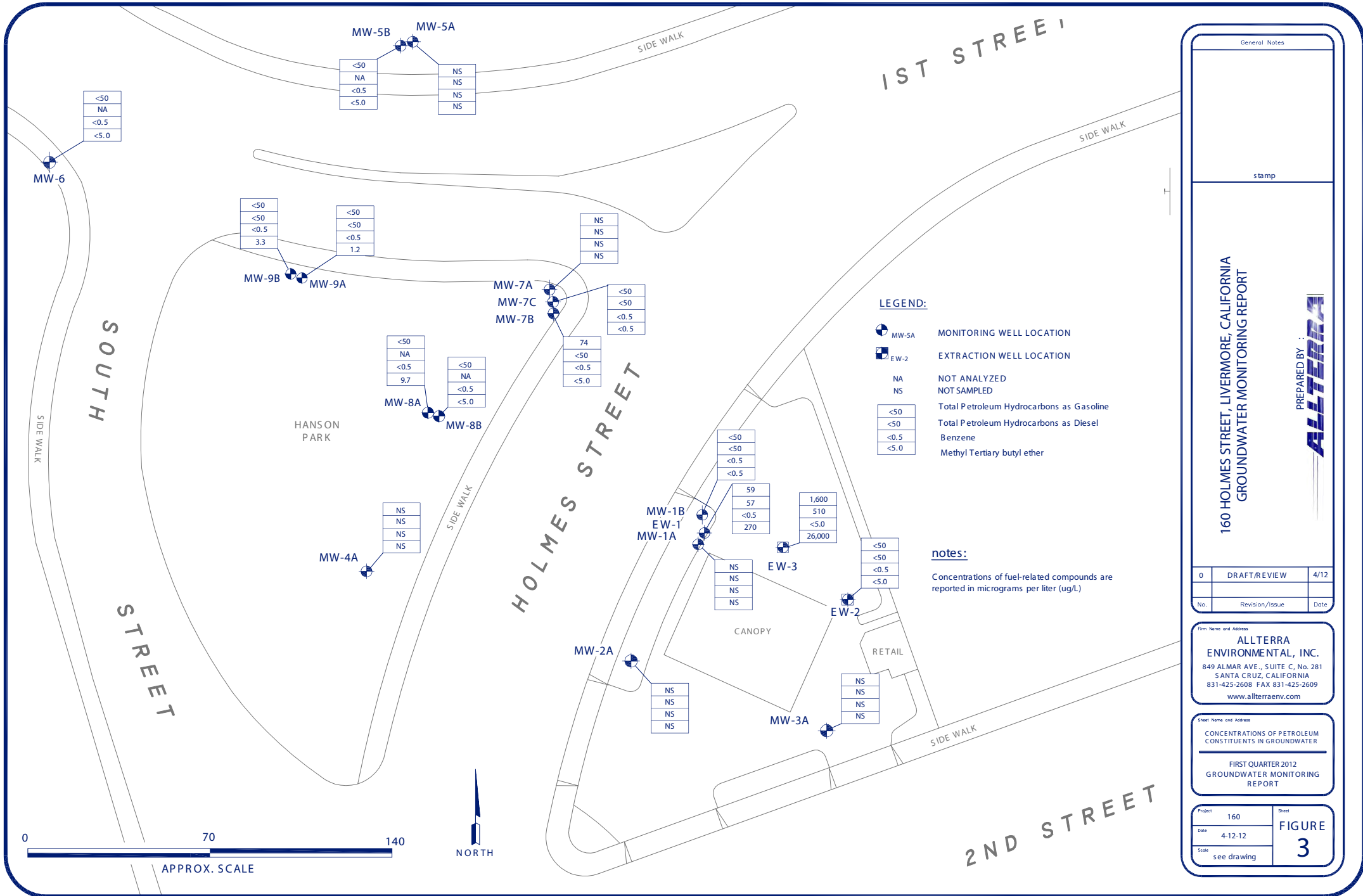
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Project Name and Address:  
**SITE PLAN**  
FIRST QUARTER 2012  
GROUNDWATER MONITORING  
REPORT

|         |             |       |                           |
|---------|-------------|-------|---------------------------|
| Project | 160         | Sheet | <b>FIGURE</b><br><b>2</b> |
| Date    | 4-12-12     |       |                           |
| Scale   | see drawing |       |                           |





General Notes

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160 HOLMES STREET, LIVERMORE, CALIFORNIA  
GROUNDWATER MONITORING REPORT

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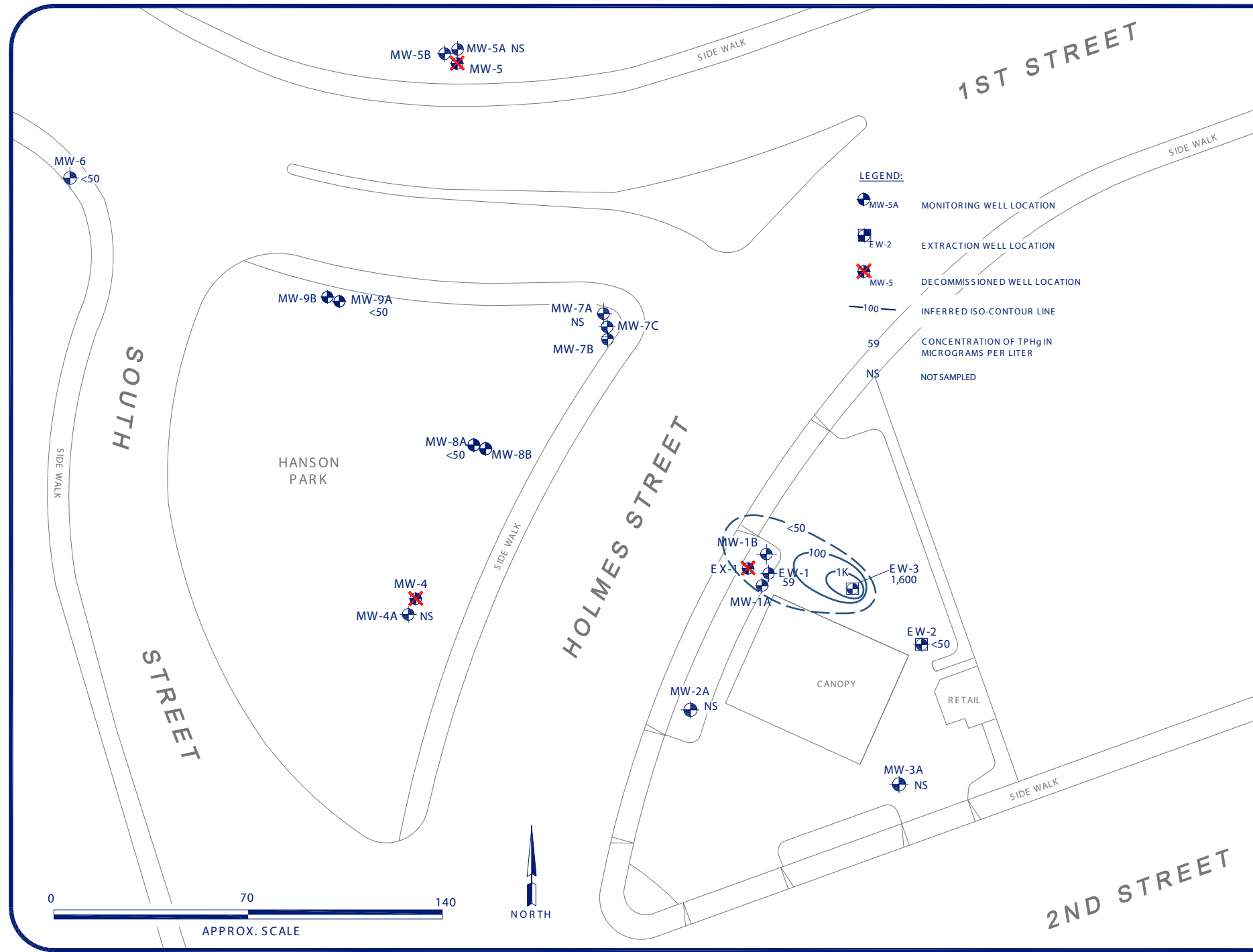
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Sheet Name and Address

CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER

FIRST QUARTER 2012  
GROUNDWATER MONITORING REPORT

|         |             |       |             |
|---------|-------------|-------|-------------|
| Project | 160         | Sheet | FIGURE<br>3 |
| Date    | 4-12-12     |       |             |
| Scale   | see drawing |       |             |



- LEGEND:**
- MW-5A MONITORING WELL LOCATION
  - EW-2 EXTRACTION WELL LOCATION
  - MW-5 DECOMMISSIONED WELL LOCATION
  - 100 INFERRED ISO-CONTOUR LINE
  - 59 CONCENTRATION OF TPHg IN MICROGRAMS PER LITER
  - NS NOT SAMPLED



General Notes

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160 HOLMES STREET, LIVERMORE, CALIFORNIA  
GROUNDWATER MONITORING REPORT

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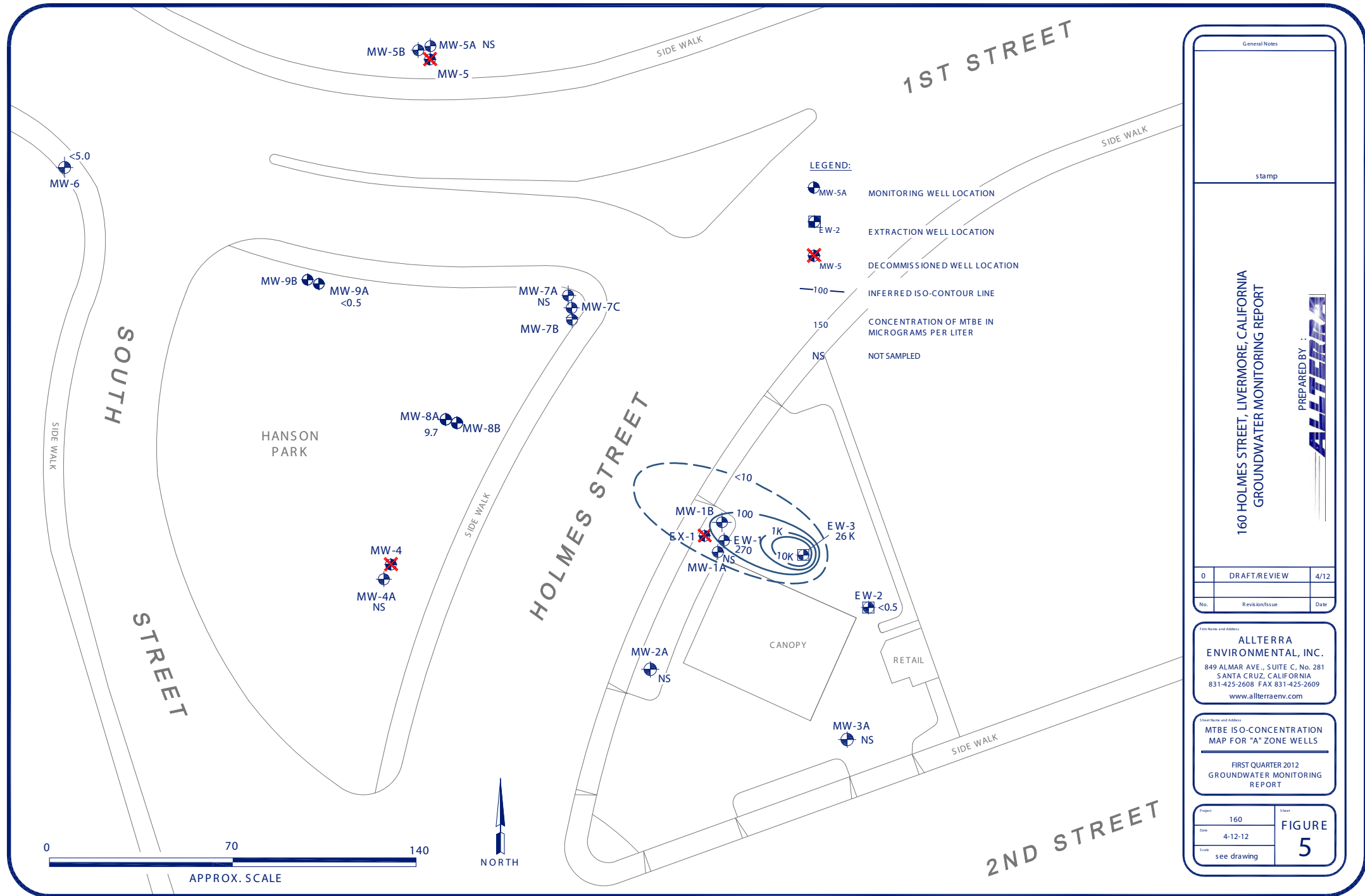
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| No. | Revision/Issue | Date |

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Sheet Name and Address:  
 TPHg ISO-CONCENTRATION MAP FOR "A" ZONE WELLS

FIRST QUARTER 2012  
 GROUNDWATER MONITORING REPORT

|         |             |       |        |
|---------|-------------|-------|--------|
| Project | 160         | Sheet | FIGURE |
| Date    | 4-12-12     |       | 4      |
| Scale   | see drawing |       |        |



- LEGEND:**
- MW-5A MONITORING WELL LOCATION
  - EW-2 EXTRACTION WELL LOCATION
  - MW-5 DECOMMISSIONED WELL LOCATION
  - 100 INFERRED ISO-CONTOUR LINE
  - 150 CONCENTRATION OF MTBE IN MICROGRAMS PER LITER
  - NS NOT SAMPLED



General Notes

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160 HOLMES STREET, LIVERMORE, CALIFORNIA  
GROUNDWATER MONITORING REPORT

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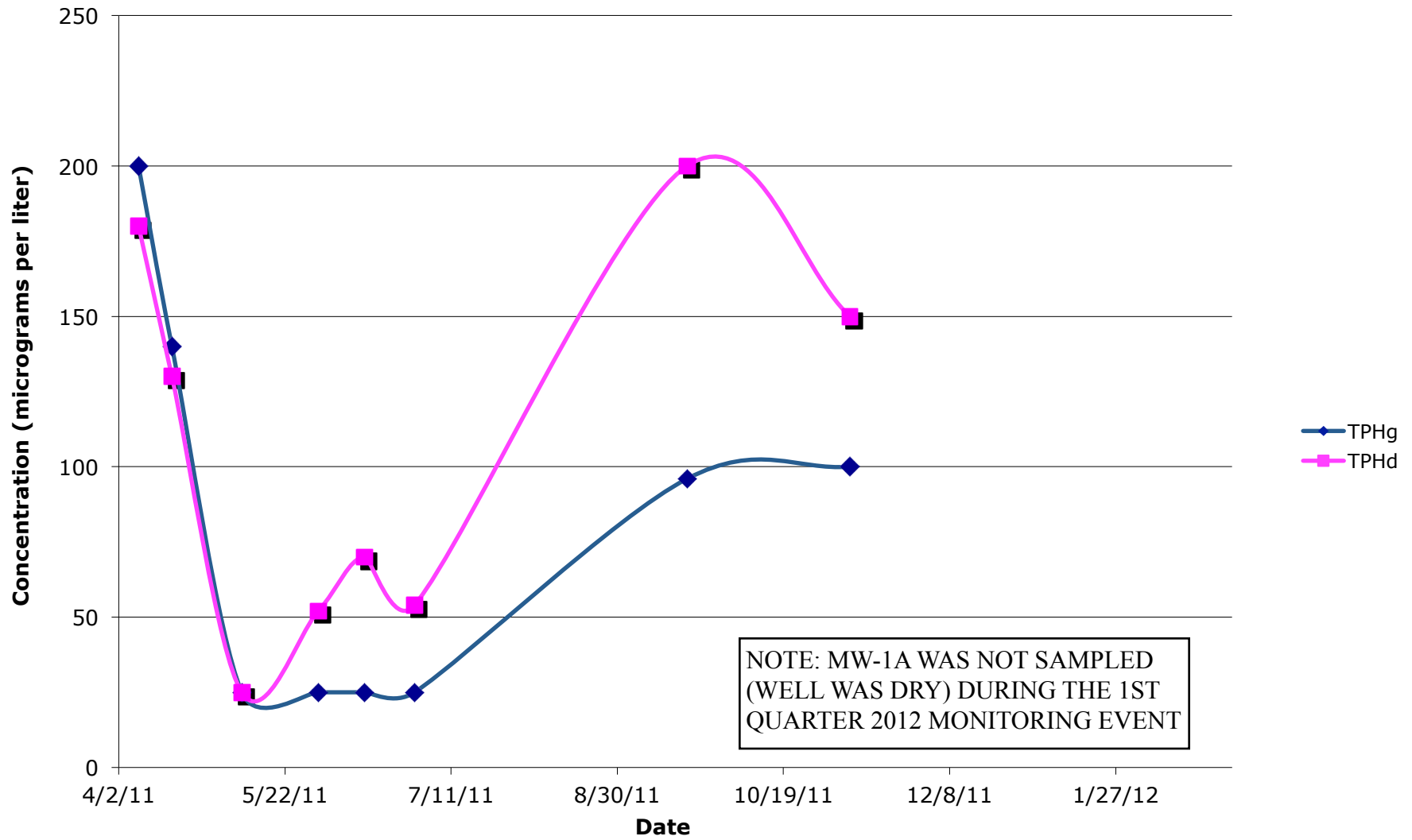
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Sheet Name and Address  
MTBE ISO-CONCENTRATION  
MAP FOR "A" ZONE WELLS

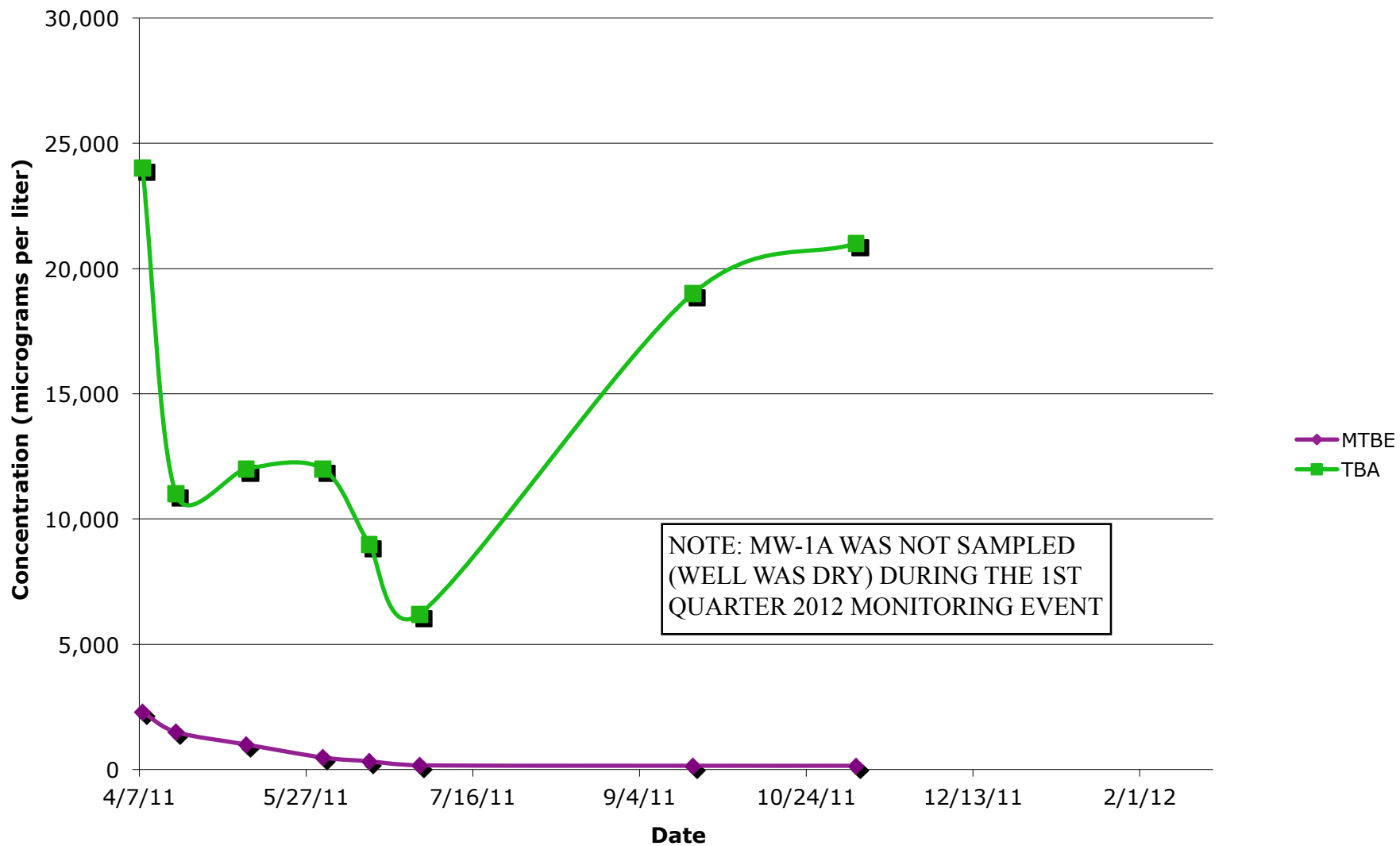
FIRST QUARTER 2012  
GROUNDWATER MONITORING  
REPORT

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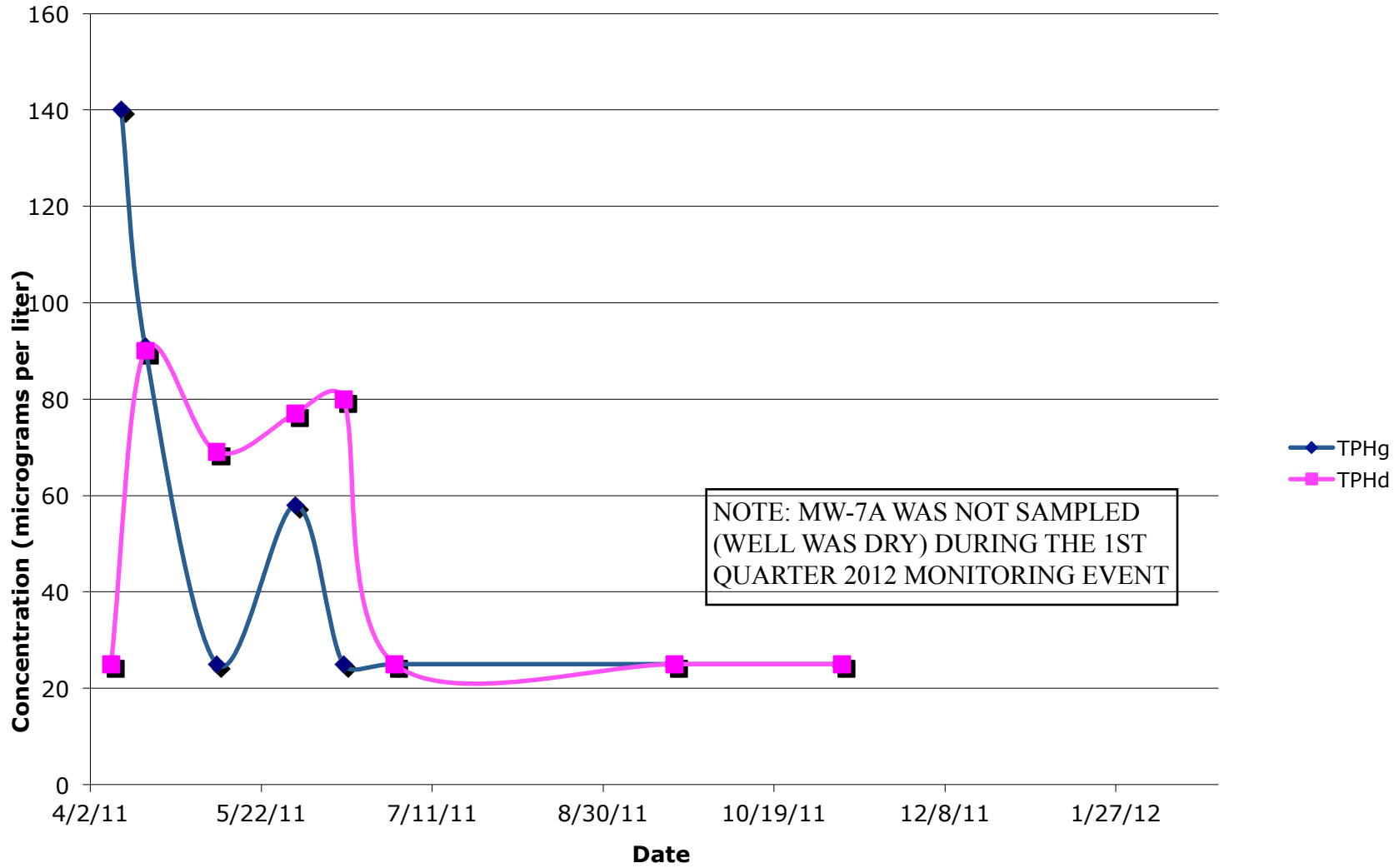
**Figure 6**  
**MW-1A TPHg and TPHd Concentrations in Groundwater**



**Figure 7**  
**MW-1A MTBE and TBA Concentrations in Groundwater**

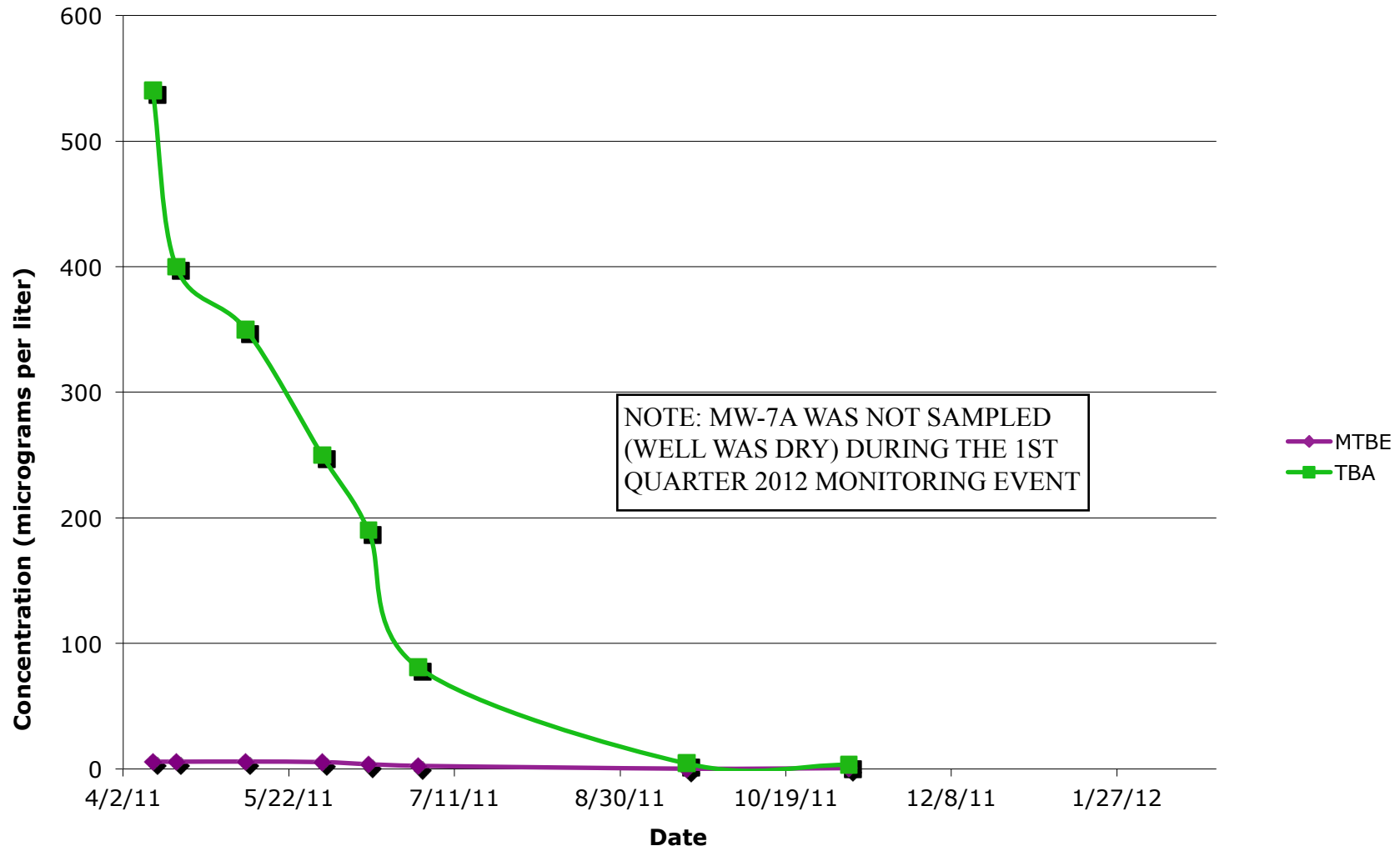


**Figure 8**  
**MW-7A TPHg and TPHd Concentrations in Groundwater**

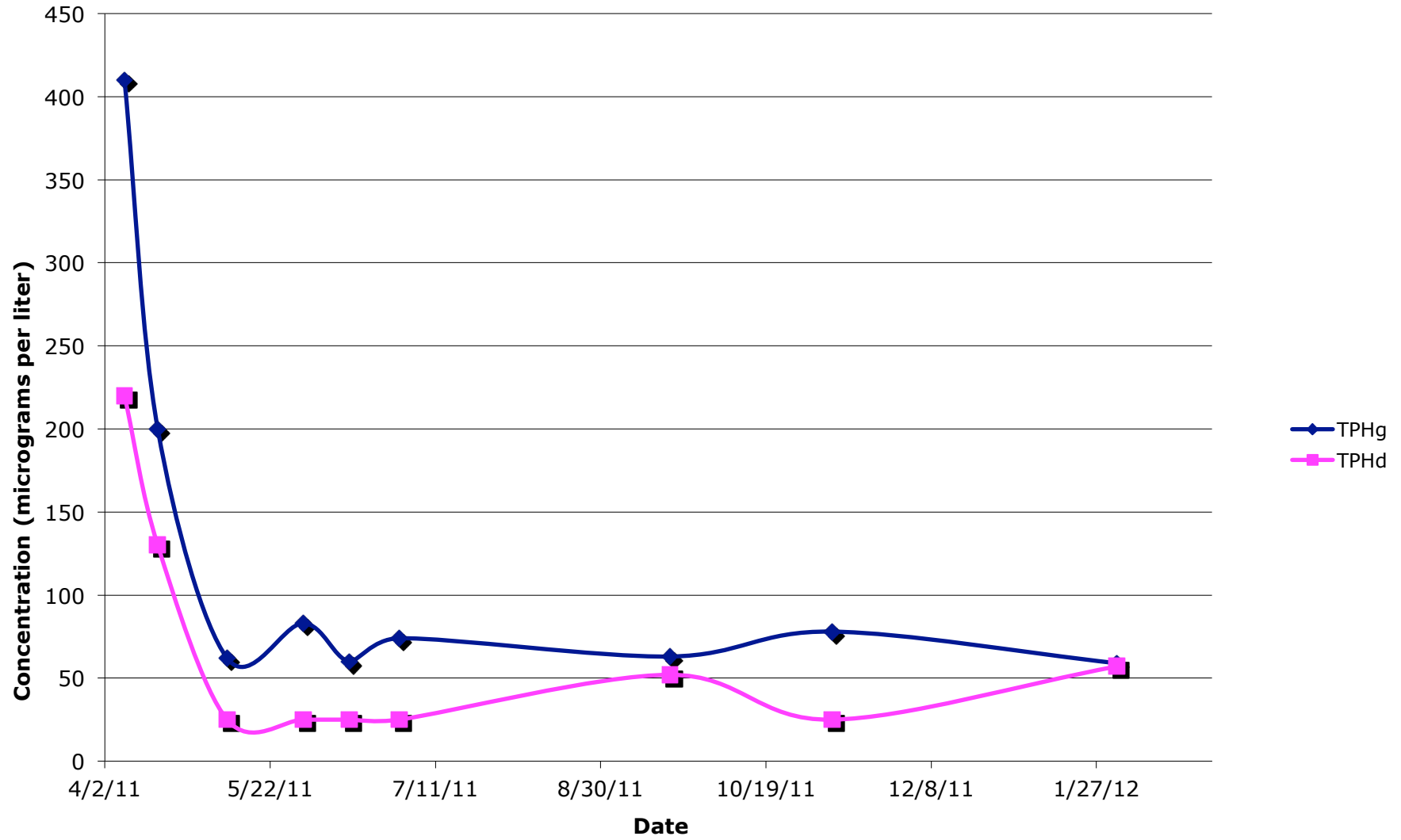




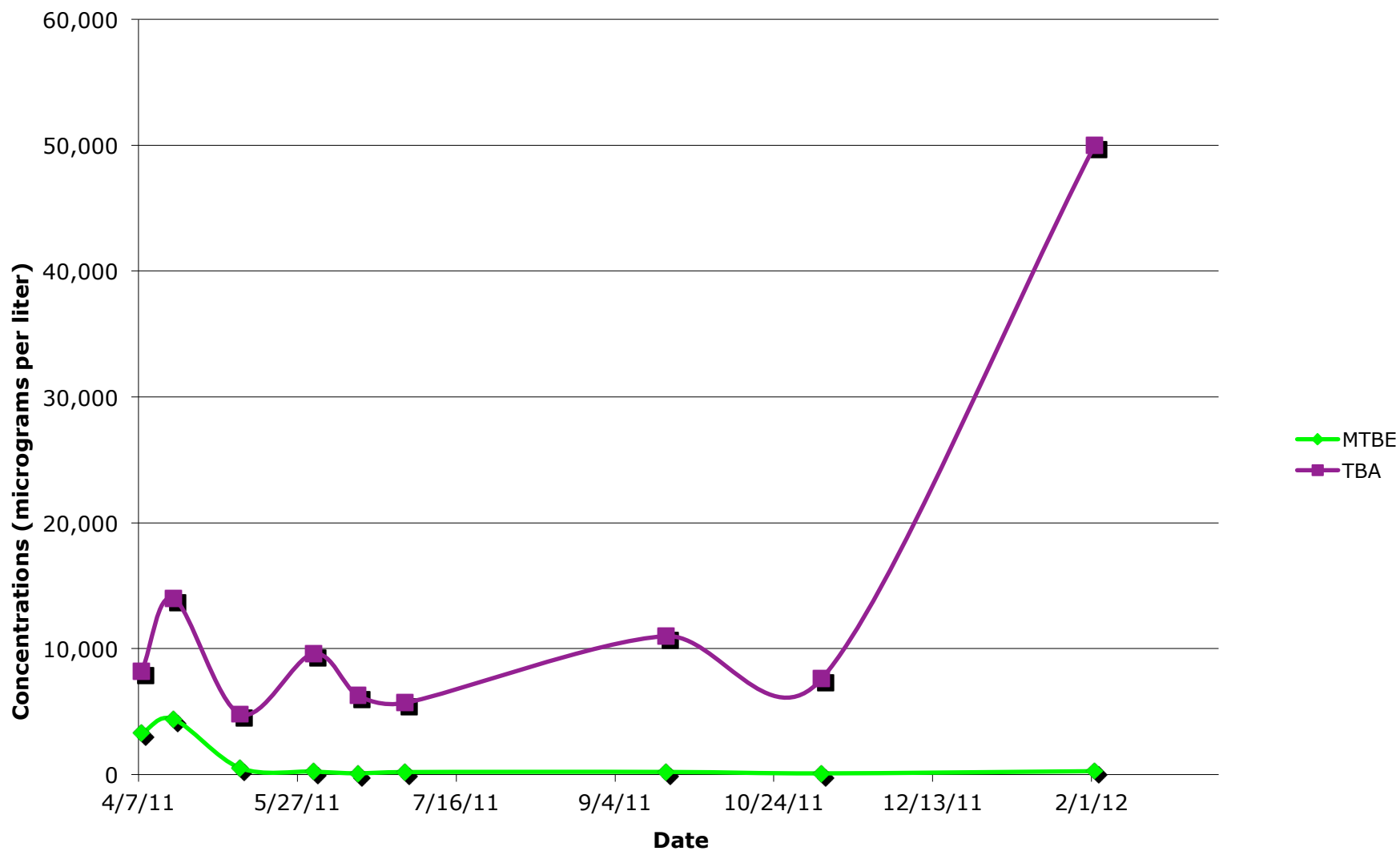
**Figure 9**  
**MW-7A MTBE and TBA Concentrations in Groundwater**



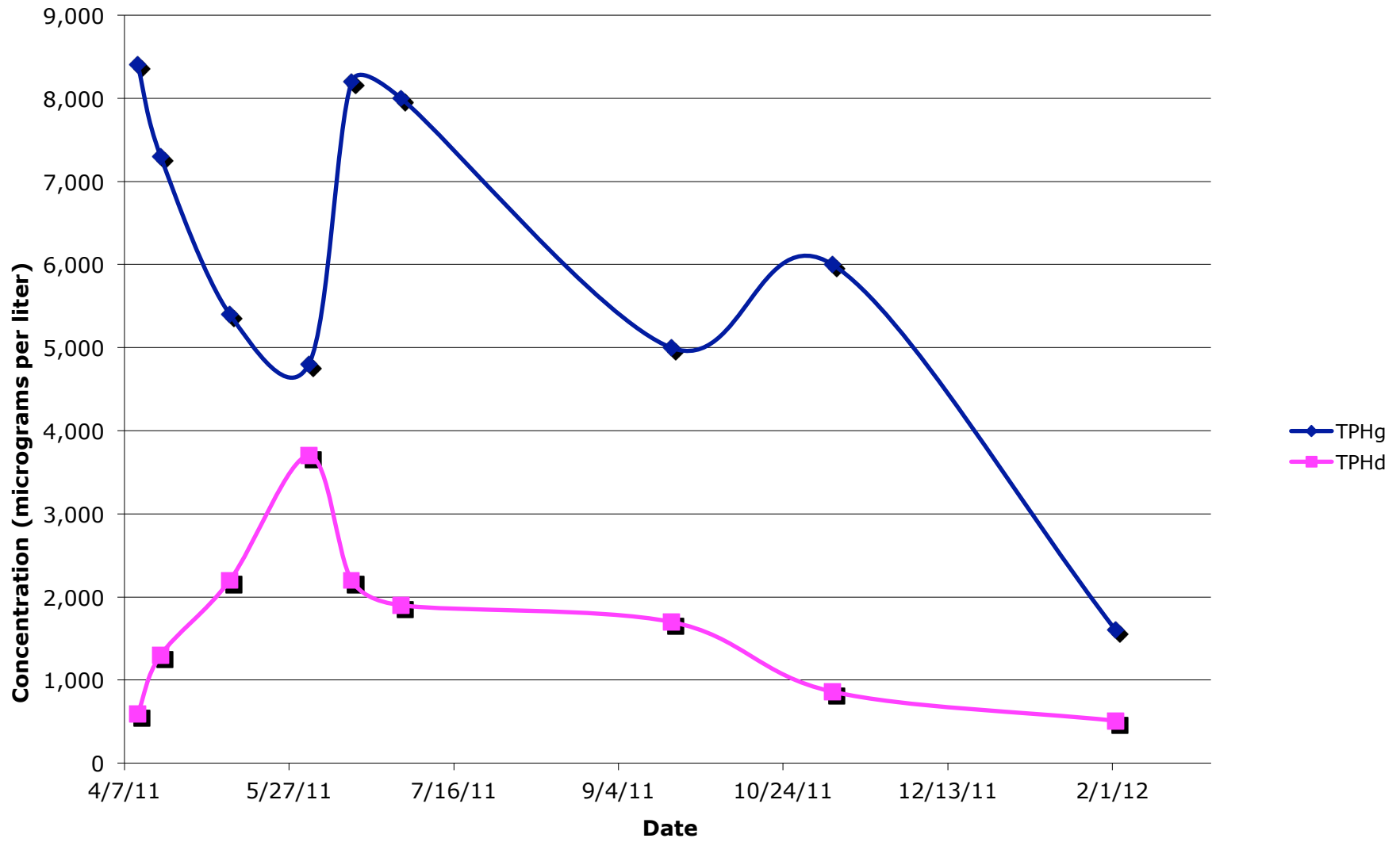
**Figure 10**  
**EW-1 TPHg and TPHd Concentrations in Groundwater**



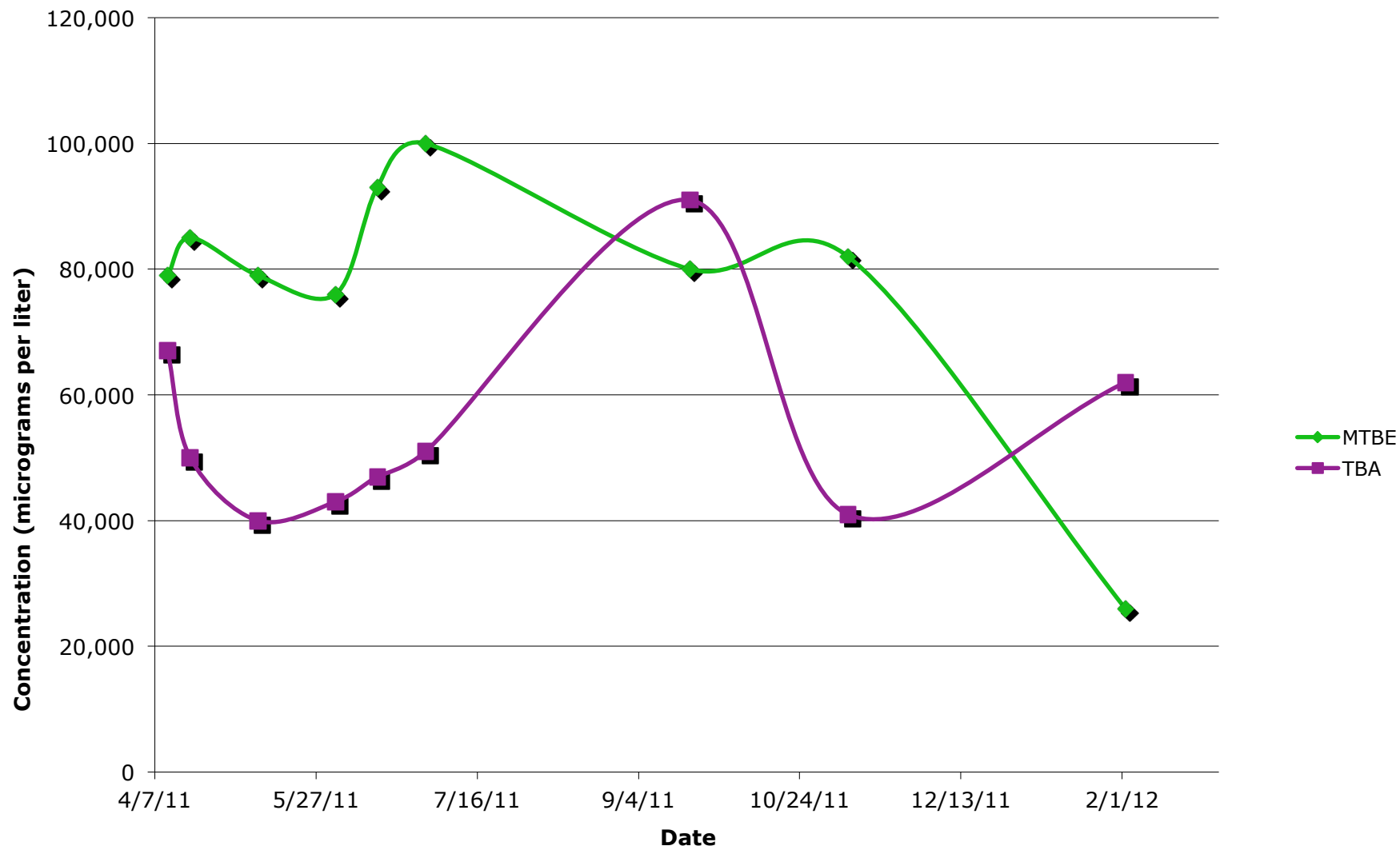
**Figure 11**  
**EW-1 MTBE and TBA Concentrations in Groundwater**



**Figure 12**  
**EW-3 TPHg and TPHd Concentrations in Groundwater**



**Figure 13**  
**EW-3 MTBE and TBA Concentrations in Groundwater**



TABLES 1 - 2

**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID | Date          | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|---------------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| MW-1*              | 8/11/00       | 465.03                               | 15-30                       | NM                          | NC                                |
|                    | 10/19/00      | 465.03                               | 15-30                       | 21.94                       | 443.09                            |
|                    | 2/22/01       | 465.03                               | 15-30                       | 22.91                       | 442.12                            |
|                    | 5/30/01       | 465.03                               | 15-30                       | Dry                         | NC                                |
|                    | 11/14/01      | 465.03                               | 15-30                       | Dry                         | NC                                |
|                    | 5/7/02        | 465.03                               | 15-30                       | Dry                         | NC                                |
|                    | 9/11/02       | 465.03                               | 15-30                       | 26.16                       | 438.87                            |
|                    | 12/1/02       | 465.03                               | 15-30                       | 27.55                       | 437.48                            |
|                    | 3/14/03       | 465.03                               | 15-30                       | 22.63                       | 442.40                            |
|                    | 6/25/03       | 465.03                               | 15-30                       | 22.10                       | 442.93                            |
|                    | 9/16/03       | 465.03                               | 15-30                       | 24.91                       | 440.12                            |
|                    | 12/22/03      | 465.03                               | 15-30                       | 21.75                       | 443.28                            |
|                    | 3/10/04       | 465.03                               | 15-30                       | 17.45                       | 447.58                            |
|                    | 6/15/04       | 465.03                               | 15-30                       | 22.38                       | 442.65                            |
|                    | 9/17/04       | 465.03                               | 15-30                       | 25.61                       | 439.42                            |
|                    | 12/10/04      | 465.03                               | 15-30                       | 22.18                       | 442.85                            |
|                    | 3/2/05        | 465.03                               | 15-30                       | 16.95                       | 448.08                            |
|                    | 5/27/05       | 465.03                               | 15-30                       | 18.42                       | 446.61                            |
|                    | 7/21/05       | 465.03                               | 15-30                       | 21.38                       | 443.65                            |
| 10/10/05           | 465.03        | 15-30                                | 22.49                       | 442.54                      |                                   |
| 1/9/06             | 465.03        | 15-30                                | 18.05                       | 446.98                      |                                   |
| MW-1A*             | 4/6/06        | 465.03                               | 15-30                       | 15.60                       | 449.43                            |
|                    | 7/27/06       | 465.03                               | 15-30                       | 22.42                       | 442.61                            |
|                    | 10/12/06      | 465.03                               | 15-30                       | 23.46                       | 441.57                            |
|                    | 1/3/07        | 465.03                               | 15-30                       | 21.00                       | 444.03                            |
|                    | 4/13/07       | 465.03                               | 15-30                       | 23.24                       | 441.79                            |
|                    | 7/16/07       | 465.03                               | 15-30                       | Dry                         | NC                                |
|                    | 10/29/07      | 465.03                               | 15-30                       | Dry                         | NC                                |
|                    | 2/1/08        | 465.03                               | 15-30                       | Dry                         | NC                                |
|                    | 4/18/08       | 465.03                               | 15-30                       | 27.34                       | 437.69                            |
|                    | 7/28/08       | 465.03                               | 15-30                       | Dry                         | NC                                |
|                    | 11/18/08      | 465.03                               | 15-30                       | Dry                         | NC                                |
|                    | 2/4/09        | 465.03                               | 15-30                       | Dry                         | NC                                |
|                    | 4/21/09       | 465.03                               | 15-30                       | Dry                         | NC                                |
|                    | 9/24/09       | 465.03                               | 15-30                       | 35.00                       | 430.03                            |
|                    | 3/4/10        | 465.03                               | 15-30                       | 28.05                       | 436.98                            |
|                    | 7/19/10       | 465.03                               | 15-30                       | 23.85                       | 441.18                            |
|                    | 1/19/11       | 465.03                               | 15-30                       | 23.12                       | 441.91                            |
|                    | 4/6/11        | 465.03                               | 15-30                       | 18.40                       | 446.63                            |
|                    | 4/18/11       | 465.03                               | 15-30                       | 18.70                       | 446.33                            |
|                    | 5/9/11        | 465.03                               | 15-30                       | 19.26                       | 445.77                            |
| 6/1/11             | 465.03        | 15-30                                | 20.10                       | 444.93                      |                                   |
| 6/15/11            | 465.03        | 15-30                                | 20.44                       | 444.59                      |                                   |
| 6/30/11            | 465.03        | 15-30                                | 20.73                       | 444.30                      |                                   |
| 9/19/11            | 465.03        | 15-30                                | 22.91                       | 442.12                      |                                   |
| 11/4/11            | 465.03        | 15-30                                | 23.00                       | 442.03                      |                                   |
| 2/1/12             | <b>465.03</b> | <b>15-30</b>                         | <b>Dry</b>                  | <b>NC</b>                   |                                   |

**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID | Date          | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|---------------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| MW-1B**            | 4/6/06        | 465.02                               | 50-55                       | 15.59                       | 449.43                            |
|                    | 7/27/06       | 465.02                               | 50-55                       | 22.47                       | 442.55                            |
|                    | 10/12/06      | 465.02                               | 50-55                       | 23.51                       | 441.51                            |
|                    | 1/3/07        | 465.02                               | 50-55                       | 21.04                       | 443.98                            |
|                    | 4/13/07       | 465.02                               | 50-55                       | 23.30                       | 441.72                            |
|                    | 7/16/07       | 465.02                               | 50-55                       | 35.57                       | 429.45                            |
|                    | 10/29/07      | 465.02                               | 50-55                       | 47.32                       | 417.70                            |
|                    | 2/1/08        | 465.02                               | 50-55                       | 33.90                       | 431.12                            |
|                    | 4/18/08       | 465.02                               | 50-55                       | 27.35                       | 437.67                            |
|                    | 7/28/08       | 465.02                               | 50-55                       | 44.03                       | 420.99                            |
|                    | 11/18/08      | 465.02                               | 50-55                       | 48.50                       | 416.52                            |
|                    | 2/4/09        | 465.02                               | 50-55                       | 46.83                       | 418.19                            |
|                    | 4/21/09       | 465.02                               | 50-55                       | 37.10                       | 427.92                            |
|                    | 9/24/09       | 465.02                               | 50-55                       | 37.76                       | 427.26                            |
|                    | 3/4/10        | 465.02                               | 50-55                       | 27.41                       | 437.61                            |
|                    | 7/19/10       | 465.02                               | 50-55                       | NM                          | NC                                |
|                    | 1/19/11       | 465.02                               | 50-55                       | 23.10                       | 441.92                            |
|                    | 4/6/11        | 465.02                               | 50-55                       | 18.40                       | 446.62                            |
|                    | 4/18/11       | 465.02                               | 50-55                       | 18.60                       | 446.42                            |
|                    | 5/9/11        | 465.02                               | 50-55                       | 19.11                       | 445.91                            |
|                    | 6/1/11        | 465.02                               | 50-55                       | 20.10                       | 444.92                            |
|                    | 6/15/11       | 465.02                               | 50-55                       | 20.44                       | 444.58                            |
|                    | 6/30/11       | 465.02                               | 50-55                       | 20.74                       | 444.28                            |
|                    | 9/19/11       | 465.02                               | 50-55                       | 22.92                       | 442.10                            |
|                    | 11/4/11       | 465.02                               | 50-55                       | 22.95                       | 442.07                            |
|                    | <b>2/1/12</b> | <b>465.02</b>                        | <b>50-55</b>                | <b>33.00</b>                | <b>432.02</b>                     |
| MW-2*              | 8/11/00       | 464.94                               | 15-30                       | NM                          | NC                                |
|                    | 10/19/00      | 464.94                               | 15-30                       | 21.80                       | 443.14                            |
|                    | 2/22/01       | 464.94                               | 15-30                       | 22.87                       | 442.07                            |
|                    | 5/30/01       | 464.94                               | 15-30                       | Dry                         | NC                                |
|                    | 11/14/01      | 464.94                               | 15-30                       | Dry                         | NC                                |
|                    | 5/7/02        | 464.94                               | 15-30                       | 26.70                       | 438.24                            |
|                    | 9/11/02       | 464.94                               | 15-30                       | 25.96                       | 438.98                            |
|                    | 12/11/02      | 464.94                               | 15-30                       | 27.56                       | 437.38                            |
|                    | 3/14/03       | 464.94                               | 15-30                       | 22.41                       | 442.53                            |
|                    | 6/25/03       | 464.94                               | 15-30                       | 21.97                       | 442.97                            |
|                    | 9/16/03       | 464.94                               | 15-30                       | 24.70                       | 440.24                            |
|                    | 12/22/03      | 464.94                               | 15-30                       | 21.58                       | 443.36                            |
|                    | 3/10/04       | 464.94                               | 15-30                       | 17.31                       | 447.63                            |
|                    | 6/15/04       | 464.94                               | 15-30                       | 22.18                       | 442.76                            |
|                    | 9/17/04       | 464.94                               | 15-30                       | 25.44                       | 439.50                            |
|                    | 12/10/04      | 464.94                               | 15-30                       | 22.00                       | 442.94                            |
|                    | 3/2/05        | 464.94                               | 15-30                       | 16.75                       | 448.19                            |
|                    | 5/27/05       | 464.94                               | 15-30                       | 18.29                       | 446.65                            |
|                    | 7/21/05       | 464.94                               | 15-30                       | 20.46                       | 444.48                            |
|                    | 10/10/05      | 464.94                               | 15-30                       | 22.30                       | 442.64                            |
| 1/9/06             | 464.94        | 15-30                                | 17.67                       | 447.27                      |                                   |



**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID | Date          | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|---------------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| MW-2A*             | 4/6/06        | 464.94                               | 15-30                       | 15.47                       | 449.47                            |
|                    | 7/27/06       | 464.94                               | 15-30                       | 22.27                       | 442.67                            |
|                    | 10/12/06      | 464.94                               | 15-30                       | 23.35                       | 441.59                            |
|                    | 1/3/07        | 464.94                               | 15-30                       | 20.90                       | 444.04                            |
|                    | 4/13/07       | 464.94                               | 15-30                       | 23.16                       | 441.78                            |
|                    | 7/16/07       | 464.94                               | 15-30                       | Dry                         | NC                                |
|                    | 10/29/07      | 464.94                               | 15-30                       | Dry                         | NC                                |
|                    | 2/1/08        | 464.94                               | 15-30                       | Dry                         | NC                                |
|                    | 4/18/08       | 464.94                               | 15-30                       | 27.26                       | 437.68                            |
|                    | 7/28/08       | 464.94                               | 15-30                       | Dry                         | NC                                |
|                    | 11/18/08      | 464.94                               | 15-30                       | Dry                         | NC                                |
|                    | 2/4/09        | 464.94                               | 15-30                       | Dry                         | NC                                |
|                    | 4/21/09       | 464.94                               | 15-30                       | Dry                         | NC                                |
|                    | 9/24/09       | 464.94                               | 15-30                       | Dry                         | NC                                |
|                    | 3/4/10        | 464.94                               | 15-30                       | 25.12                       | 439.82                            |
|                    | 7/20/10       | 464.94                               | 15-30                       | 25.90                       | 439.04                            |
|                    | 1/19/11       | 464.94                               | 15-30                       | 25.30                       | 439.64                            |
|                    | 4/6/11        | 464.94                               | 15-30                       | 18.30                       | 446.64                            |
|                    | 9/19/11       | 464.94                               | 15-30                       | 22.45                       | 442.49                            |
| 11/4/11            | 464.94        | 15-30                                | 22.77                       | 442.17                      |                                   |
|                    | <b>2/1/12</b> | <b>464.94</b>                        | <b>15-30</b>                | <b>Dry</b>                  | <b>NC</b>                         |
| MW-3*              | 8/11/00       | 465.84                               | 15-30                       | NM                          | NC                                |
|                    | 10/19/00      | 465.84                               | 15-30                       | 22.45                       | 443.39                            |
|                    | 2/22/01       | 465.84                               | 15-30                       | 23.51                       | 442.33                            |
|                    | 5/30/01       | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 11/14/01      | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 5/7/02        | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 9/11/02       | 465.84                               | 15-30                       | 26.61                       | 439.23                            |
|                    | 12/11/02      | 465.84                               | 15-30                       | 28.18                       | 437.66                            |
|                    | 3/14/03       | 465.84                               | 15-30                       | 23.04                       | 442.80                            |
|                    | 6/25/03       | 465.84                               | 15-30                       | 22.59                       | 443.25                            |
|                    | 9/16/03       | 465.84                               | 15-30                       | 25.33                       | 440.51                            |
|                    | 12/22/03      | 465.84                               | 15-30                       | 22.37                       | 443.47                            |
|                    | 3/10/04       | 465.84                               | 15-30                       | 17.88                       | 447.96                            |
|                    | 6/15/04       | 465.84                               | 15-30                       | 22.82                       | 443.02                            |
|                    | 9/17/04       | 465.84                               | 15-30                       | 26.09                       | 439.75                            |
|                    | 12/10/04      | 465.84                               | 15-30                       | 22.65                       | 443.19                            |
|                    | 3/5/05        | 465.84                               | 15-30                       | 17.33                       | 448.51                            |
|                    | 5/27/05       | 465.84                               | 15-30                       | 18.89                       | 446.95                            |
|                    | 7/21/05       | 465.84                               | 15-30                       | 21.10                       | 444.74                            |
|                    | 10/10/05      | 465.84                               | 15-30                       | 22.94                       | 442.90                            |
| 1/9/06             | 465.84        | 15-30                                | 18.24                       | 447.60                      |                                   |

**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID | Date          | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|---------------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| MW-3A*             | 4/6/06        | 465.84                               | 15-30                       | 16.02                       | 449.82                            |
|                    | 7/27/06       | 465.84                               | 15-30                       | 22.90                       | 442.94                            |
|                    | 10/12/06      | 465.84                               | 15-30                       | 23.99                       | 441.85                            |
|                    | 1/3/07        | 465.84                               | 15-30                       | 21.52                       | 444.32                            |
|                    | 4/13/07       | 465.84                               | 15-30                       | 23.78                       | 442.06                            |
|                    | 7/16/07       | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 10/29/07      | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 2/1/08        | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 4/18/08       | 465.84                               | 15-30                       | 27.86                       | 437.98                            |
|                    | 7/28/08       | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 11/18/08      | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 2/4/09        | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 4/21/09       | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 9/24/09       | 465.84                               | 15-30                       | Dry                         | NC                                |
|                    | 3/4/10        | 465.84                               | 15-30                       | 27.95                       | 437.89                            |
|                    | 7/19/10       | 465.84                               | 15-30                       | 26.55                       | 439.29                            |
|                    | 1/19/11       | 465.84                               | 15-30                       | 23.63                       | 442.21                            |
|                    | 4/6/11        | 465.84                               | 15-30                       | 18.90                       | 446.94                            |
|                    | 9/19/11       | 465.85                               | 15-30                       | 23.40                       | 442.45                            |
|                    | 11/4/11       | 465.85                               | 15-30                       | 23.60                       | 442.25                            |
|                    | <b>2/1/12</b> | <b>465.85</b>                        | <b>15-30</b>                | <b>Dry</b>                  | <b>NC</b>                         |
| MW-4***            | 11/14/01      | 465.15                               | 15-30                       | 33.84                       | 431.31                            |
|                    | 5/7/02        | 465.15                               | 15-30                       | 26.75                       | 438.40                            |
|                    | 9/11/02       | 465.15                               | 15-30                       | 26.66                       | 438.49                            |
|                    | 12/11/02      | 465.15                               | 15-30                       | 28.39                       | 436.76                            |
|                    | 3/14/03       | 465.15                               | 15-30                       | 23.14                       | 442.01                            |
|                    | 6/25/03       | 465.15                               | 15-30                       | 22.72                       | 442.43                            |
|                    | 9/16/03       | 465.15                               | 15-30                       | 25.39                       | 439.76                            |
|                    | 12/22/03      | 465.15                               | 15-30                       | 22.42                       | 442.73                            |
|                    | 3/4/04        | 465.15                               | 15-30                       | 18.20                       | 446.95                            |
|                    | 6/15/04       | 465.15                               | 15-30                       | 22.95                       | 442.20                            |
|                    | 9/17/04       | 465.15                               | 15-30                       | 26.12                       | 439.03                            |
|                    | 12/10/04      | 465.15                               | 15-30                       | 22.73                       | 442.42                            |
|                    | 3/2/05        | 465.15                               | 15-30                       | 17.60                       | 447.55                            |
|                    | 5/27/05       | 465.15                               | 15-30                       | 19.14                       | 446.01                            |
|                    | 7/21/05       | 465.15                               | 15-30                       | 21.25                       | 443.90                            |
|                    | 10/10/05      | 465.15                               | 15-30                       | 22.85                       | 442.30                            |
|                    | 1/9/06        | 465.15                               | 15-30                       | 18.54                       | 446.61                            |

**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID | Date          | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|---------------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| MW-4A**            | 4/6/06        | 464.96                               | 15-30                       | 16.19                       | 448.77                            |
|                    | 7/27/06       | 464.96                               | 15-30                       | 22.87                       | 442.09                            |
|                    | 10/12/06      | 464.96                               | 15-30                       | 23.90                       | 441.06                            |
|                    | 1/3/07        | 464.96                               | 15-30                       | 21.52                       | 443.44                            |
|                    | 4/13/07       | 464.96                               | 15-30                       | 23.78                       | 441.18                            |
|                    | 7/16/07       | 464.96                               | 15-30                       | Dry                         | NC                                |
|                    | 10/29/07      | 464.96                               | 15-30                       | Dry                         | NC                                |
|                    | 2/1/08        | 464.96                               | 15-30                       | Dry                         | NC                                |
|                    | 4/18/08       | 464.96                               | 15-30                       | 27.91                       | 437.05                            |
|                    | 7/28/08       | 464.96                               | 15-30                       | Dry                         | NC                                |
|                    | 11/18/08      | 464.96                               | 15-30                       | Dry                         | NC                                |
|                    | 2/4/09        | 464.96                               | 15-30                       | Dry                         | NC                                |
|                    | 9/24/09       | 464.96                               | 15-30                       | Dry                         | NC                                |
|                    | 4/21/09       | 464.96                               | 15-30                       | Dry                         | NC                                |
|                    | 3/4/10        | 464.96                               | 15-30                       | 25.66                       | 439.30                            |
|                    | 7/20/10       | 464.96                               | 15-30                       | 24.25                       | 440.71                            |
|                    | 1/19/11       | 464.96                               | 15-30                       | 23.64                       | 441.32                            |
|                    | 4/6/11        | 464.96                               | 15-30                       | 18.90                       | 446.06                            |
|                    | 9/19/11       | 464.96                               | 15-30                       | 23.43                       | 441.53                            |
|                    | 11/4/11       | 464.96                               | 15-30                       | 23.40                       | 441.56                            |
|                    | <b>2/1/12</b> | <b>464.96</b>                        | <b>15-30</b>                | <b>Dry</b>                  | <b>NC</b>                         |
| MW-5***            | 11/14/01      | 464.65                               | 20-50                       | 34.94                       | 429.71                            |
|                    | 5/7/02        | 464.65                               | 20-50                       | 27.90                       | 436.75                            |
|                    | 9/11/02       | 464.65                               | 20-50                       | 27.99                       | 436.66                            |
|                    | 12/11/02      | 464.65                               | 20-50                       | 29.50                       | 435.15                            |
|                    | 3/14/03       | 464.65                               | 20-50                       | 24.26                       | 440.39                            |
|                    | 6/25/03       | 464.65                               | 20-50                       | 24.01                       | 440.64                            |
|                    | 9/16/03       | 464.65                               | 20-50                       | 26.83                       | 437.82                            |
|                    | 12/22/03      | 464.65                               | 20-50                       | 23.68                       | 440.97                            |
|                    | 3/10/04       | 464.65                               | 20-50                       | 19.22                       | 445.43                            |
|                    | 6/15/04       | 464.65                               | 20-50                       | 24.20                       | 440.45                            |
|                    | 9/17/04       | 464.65                               | 20-50                       | 27.68                       | 436.97                            |
|                    | 12/10/04      | 464.65                               | 20-50                       | 23.93                       | 440.72                            |
|                    | 3/2/05        | 464.65                               | 20-50                       | 18.56                       | 446.09                            |
|                    | 5/27/05       | 464.65                               | 20-50                       | 20.15                       | 444.50                            |
|                    | 7/21/05       | 464.65                               | 20-50                       | 22.55                       | 442.10                            |
|                    | 10/10/05      | 464.65                               | 20-50                       | 23.35                       | 441.30                            |
|                    | 1/9/06        | 464.65                               | 20-50                       | 19.53                       | 445.12                            |

**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID | Date          | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|---------------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| MW-5A**            | 4/6/06        | 464.64                               | 20-35                       | 17.35                       | 447.29                            |
|                    | 7/27/06       | 464.64                               | 20-35                       | 24.40                       | 440.24                            |
|                    | 10/12/06      | 464.64                               | 20-35                       | 25.58                       | 439.06                            |
|                    | 1/3/07        | 464.64                               | 20-35                       | 22.53                       | 442.11                            |
|                    | 4/13/07       | 464.64                               | 20-35                       | 24.77                       | 439.87                            |
|                    | 7/16/07       | 464.64                               | 20-35                       | Dry                         | NC                                |
|                    | 10/29/07      | 464.64                               | 20-35                       | Dry                         | NC                                |
|                    | 2/1/08        | 464.64                               | 20-35                       | 34.03                       | 430.61                            |
|                    | 4/18/08       | 464.64                               | 20-35                       | 28.13                       | 436.51                            |
|                    | 7/28/08       | 464.64                               | 20-35                       | Dry                         | NC                                |
|                    | 11/18/08      | 464.64                               | 20-35                       | 33.82                       | 430.82                            |
|                    | 2/4/09        | 464.64                               | 20-35                       | Dry                         | NC                                |
|                    | 4/21/09       | 464.64                               | 20-35                       | Dry                         | NC                                |
|                    | 9/24/09       | 464.64                               | 20-35                       | Dry                         | NC                                |
|                    | 3/4/10        | 464.64                               | 20-35                       | 28.77                       | 435.87                            |
|                    | 7/20/10       | 464.64                               | 20-35                       | 24.57                       | 440.07                            |
|                    | 1/19/11       | 464.64                               | 20-35                       | 24.52                       | 440.12                            |
|                    | 4/6/11        | 464.64                               | 20-35                       | 19.98                       | 444.66                            |
|                    | 9/19/11       | 464.64                               | 20-35                       | 24.62                       | 440.02                            |
| 11/4/11            | 464.64        | 20-35                                | 24.50                       | 440.14                      |                                   |
|                    | <b>2/1/12</b> | <b>464.64</b>                        | <b>20-35</b>                | <b>Dry</b>                  | <b>NC</b>                         |
| MW-5B**            | 4/6/06        | 464.59                               | 50-55                       | 17.44                       | 447.15                            |
|                    | 7/27/06       | 464.59                               | 50-55                       | 24.09                       | 440.50                            |
|                    | 10/12/06      | 464.59                               | 50-55                       | 25.17                       | 439.42                            |
|                    | 1/3/07        | 464.59                               | 50-55                       | 22.44                       | 442.15                            |
|                    | 4/13/07       | 464.59                               | 50-55                       | 25.33                       | 439.26                            |
|                    | 7/16/07       | 464.59                               | 50-55                       | 36.50                       | 428.09                            |
|                    | 10/29/07      | 464.59                               | 50-55                       | 47.90                       | 416.69                            |
|                    | 2/1/08        | 464.59                               | 50-55                       | 33.25                       | 431.34                            |
|                    | 4/18/08       | 464.59                               | 50-55                       | 28.77                       | 435.82                            |
|                    | 7/28/08       | 464.59                               | 50-55                       | 44.76                       | 419.83                            |
|                    | 11/18/08      | 464.59                               | 50-55                       | 51.65                       | 412.94                            |
|                    | 2/4/09        | 464.59                               | 50-55                       | 47.63                       | 416.96                            |
|                    | 4/21/09       | 464.59                               | 50-55                       | 37.00                       | 427.59                            |
|                    | 9/24/09       | 464.59                               | 50-55                       | 39.73                       | 424.86                            |
|                    | 3/4/10        | 464.59                               | 50-55                       | 28.97                       | 435.62                            |
|                    | 7/19/10       | 464.59                               | 50-55                       | 25.40                       | 439.19                            |
|                    | 1/19/11       | 464.59                               | 50-55                       | 24.52                       | 440.07                            |
|                    | 4/6/11        | 464.59                               | 50-55                       | 20.05                       | 444.54                            |
|                    | 9/19/11       | 464.59                               | 50-55                       | 24.50                       | 440.09                            |
| 11/4/11            | 464.59        | 50-55                                | 24.40                       | 440.19                      |                                   |
|                    | <b>2/1/12</b> | <b>464.59</b>                        | <b>50-55</b>                | <b>33.96</b>                | <b>430.63</b>                     |

**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID | Date     | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|----------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| MW-6               | 11/14/01 | 464.13                               | 20-50                       | 33.88                       | 430.25                            |
|                    | 5/7/02   | 464.13                               | 20-50                       | 27.01                       | 437.12                            |
|                    | 9/11/02  | 464.13                               | 20-50                       | 27.03                       | 437.10                            |
|                    | 12/11/02 | 464.13                               | 20-50                       | 28.77                       | 435.36                            |
|                    | 3/14/03  | 464.13                               | 20-50                       | 23.46                       | 440.67                            |
|                    | 6/25/03  | 464.13                               | 20-50                       | 23.08                       | 441.05                            |
|                    | 9/16/03  | 464.13                               | 20-50                       | 25.77                       | 438.36                            |
|                    | 12/22/03 | 464.13                               | 20-50                       | 22.59                       | 441.54                            |
|                    | 3/10/04  | 464.13                               | 20-50                       | 18.65                       | 445.48                            |
|                    | 6/15/04  | 464.13                               | 20-50                       | 23.31                       | 440.82                            |
|                    | 9/17/04  | 464.13                               | 20-50                       | 26.56                       | 437.57                            |
|                    | 12/10/04 | 464.13                               | 20-50                       | 23.09                       | 441.04                            |
|                    | 3/2/05   | 464.13                               | 20-50                       | 18.04                       | 446.09                            |
|                    | 5/27/05  | 464.13                               | 20-50                       | 19.57                       | 444.56                            |
|                    | 7/21/05  | 464.13                               | 20-50                       | 21.60                       | 442.53                            |
|                    | 10/10/05 | 464.13                               | 20-50                       | 22.21                       | 441.92                            |
|                    | 1/9/06   | 464.13                               | 20-50                       | 18.99                       | 445.14                            |
|                    | 4/6/06   | 464.13                               | 20-50                       | 17.00                       | 447.13                            |
|                    | 7/27/06  | 464.13                               | 20-50                       | 23.45                       | 440.68                            |
|                    | 10/12/06 | 464.13                               | 20-50                       | 24.36                       | 439.77                            |
|                    | 1/3/07   | 464.13                               | 20-50                       | 22.03                       | 442.10                            |
|                    | 4/13/07  | 464.13                               | 20-50                       | 24.40                       | 439.73                            |
|                    | 7/16/07  | 464.13                               | 20-50                       | NM                          | NC                                |
|                    | 10/29/07 | 464.13                               | 20-50                       | Dry                         | NC                                |
|                    | 2/1/08   | 464.13                               | 20-50                       | 33.05                       | 431.08                            |
|                    | 4/18/08  | 464.13                               | 20-50                       | 28.20                       | 435.93                            |
|                    | 7/28/08  | 464.13                               | 20-50                       | Dry                         | NC                                |
|                    | 11/18/08 | 464.13                               | 20-50                       | Dry                         | NC                                |
|                    | 2/4/09   | 464.13                               | 20-50                       | Dry                         | NC                                |
|                    | 4/21/09  | 464.13                               | 20-50                       | 38.71                       | 425.42                            |
|                    | 9/24/09  | 464.13                               | 20-50                       | 38.26                       | 425.87                            |
|                    | 3/4/10   | 464.13                               | 20-50                       | 26.02                       | 438.11                            |
|                    | 7/19/10  | 464.13                               | 20-50                       | 24.65                       | 439.48                            |
| 1/19/11            | 464.13   | 20-50                                | 24.00                       | 440.13                      |                                   |
| 4/6/11             | 464.13   | 20-50                                | 21.76                       | 442.37                      |                                   |
| 9/19/11            | 464.13   | 20-50                                | 23.76                       | 440.37                      |                                   |
| 11/4/11            | 464.13   | 20-50                                | 23.00                       | 441.13                      |                                   |
| <b>2/1/12</b>      |          | <b>464.13</b>                        | <b>20-50</b>                | <b>33.43</b>                | <b>430.70</b>                     |

**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID | Date          | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|---------------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| MW-7A**            | 4/6/06        | 465.32                               | 15-30                       | 16.61                       | 448.71                            |
|                    | 7/27/06       | 465.32                               | 15-30                       | 23.40                       | 441.92                            |
|                    | 10/12/06      | 465.32                               | 15-30                       | 24.50                       | 440.82                            |
|                    | 1/3/07        | 465.32                               | 15-30                       | 21.80                       | 443.52                            |
|                    | 4/13/07       | 465.32                               | 15-30                       | 24.05                       | 441.27                            |
|                    | 7/16/07       | 465.32                               | 15-30                       | Dry                         | NC                                |
|                    | 10/29/07      | 465.32                               | 15-30                       | Dry                         | NC                                |
|                    | 2/1/08        | 465.32                               | 15-30                       | Dry                         | NC                                |
|                    | 4/18/08       | 465.32                               | 15-30                       | 28.16                       | 437.16                            |
|                    | 7/28/08       | 465.32                               | 15-30                       | Dry                         | NC                                |
|                    | 11/18/08      | 465.32                               | 15-30                       | Dry                         | NC                                |
|                    | 2/4/09        | 465.32                               | 15-30                       | Dry                         | NC                                |
|                    | 4/21/09       | 465.32                               | 15-30                       | Dry                         | NC                                |
|                    | 9/24/09       | 465.32                               | 15-30                       | Dry                         | NC                                |
|                    | 3/4/10        | 465.32                               | 15-30                       | 26.30                       | 439.02                            |
|                    | 7/19/10       | 465.32                               | 15-30                       | 24.78                       | 440.54                            |
|                    | 1/19/11       | 465.32                               | 15-30                       | 23.60                       | 441.72                            |
|                    | 4/6/11        | 465.32                               | 15-30                       | 19.35                       | 445.97                            |
|                    | 4/18/11       | 465.32                               | 15-31                       | 19.59                       | 445.73                            |
|                    | 5/9/11        | 465.32                               | 15-32                       | 21.15                       | 444.17                            |
|                    | 6/1/11        | 465.32                               | 15-33                       | 21.01                       | 444.31                            |
|                    | 6/15/11       | 465.32                               | 15-34                       | 21.45                       | 443.87                            |
|                    | 6/30/11       | 465.32                               | 15-35                       | 21.87                       | 443.45                            |
|                    | 9/19/11       | 465.32                               | 15-30                       | 23.96                       | 441.36                            |
|                    | 11/4/11       | 465.32                               | 15-30                       | 23.45                       | 441.87                            |
|                    | <b>2/1/12</b> | <b>465.32</b>                        | <b>15-30</b>                | <b>Dry</b>                  | <b>NC</b>                         |
| MW-7B**            | 4/6/06        | 465.39                               | 45-50                       | 16.85                       | 448.54                            |
|                    | 7/27/06       | 465.39                               | 45-50                       | 23.72                       | 441.67                            |
|                    | 10/12/06      | 465.39                               | 45-50                       | 24.74                       | 440.65                            |
|                    | 1/3/07        | 465.39                               | 45-50                       | 22.18                       | 443.21                            |
|                    | 4/13/07       | 465.39                               | 45-50                       | 24.41                       | 440.98                            |
|                    | 7/16/07       | 465.39                               | 45-50                       | 36.40                       | 428.99                            |
|                    | 10/29/07      | 465.39                               | 45-50                       | Dry                         | NC                                |
|                    | 2/1/08        | 465.39                               | 45-50                       | 33.84                       | 431.55                            |
|                    | 4/18/08       | 465.39                               | 45-50                       | 28.52                       | 436.87                            |
|                    | 7/28/08       | 465.39                               | 45-50                       | 44.92                       | 420.47                            |
|                    | 11/18/08      | 465.39                               | 45-50                       | Dry                         | NC                                |
|                    | 2/4/09        | 465.39                               | 45-50                       | 46.65                       | 418.74                            |
|                    | 4/21/09       | 465.39                               | 45-50                       | 36.83                       | 428.56                            |
|                    | 9/24/09       | 465.39                               | 45-50                       | 39.26                       | 426.13                            |
|                    | 3/4/10        | 465.39                               | 45-50                       | 28.63                       | 436.76                            |
|                    | 7/19/10       | 465.39                               | 45-50                       | 25.05                       | 440.34                            |
|                    | 1/19/11       | 465.39                               | 45-50                       | 24.15                       | 441.24                            |
|                    | 4/6/11        | 465.39                               | 45-50                       | 21.78                       | 443.61                            |
|                    | 4/18/11       | 465.39                               | 45-50                       | 19.75                       | 445.64                            |
|                    | 5/9/11        | 465.39                               | 45-50                       | 20.40                       | 444.99                            |
|                    | 6/1/11        | 465.39                               | 45-50                       | 21.25                       | 444.14                            |
|                    | 6/15/11       | 465.39                               | 45-50                       | 21.45                       | 443.94                            |

**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID | Date          | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|---------------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| MW-7B**<br>cont.   | 6/30/11       | 465.39                               | 45-50                       | 21.65                       | 443.74                            |
|                    | 9/19/11       | 465.39                               | 45-50                       | 24.10                       | 441.29                            |
|                    | 11/4/11       | 465.39                               | 45-50                       | 24.10                       | 441.29                            |
|                    | <b>2/1/12</b> | <b>465.39</b>                        | <b>45-50</b>                | <b>33.91</b>                | <b>431.48</b>                     |
| MW-7C**            | 4/6/06        | 465.39                               | 65-70                       | 17.18                       | 448.21                            |
|                    | 7/27/06       | 465.39                               | 65-70                       | 24.15                       | 441.24                            |
|                    | 10/12/06      | 465.39                               | 65-70                       | 24.74                       | 440.65                            |
|                    | 1/3/07        | 465.39                               | 65-70                       | 22.53                       | 442.86                            |
|                    | 4/13/07       | 465.39                               | 65-70                       | 24.73                       | 440.66                            |
|                    | 7/16/07       | 465.39                               | 65-70                       | 36.70                       | 428.69                            |
|                    | 10/29/07      | 465.39                               | 65-70                       | 48.25                       | 417.14                            |
|                    | 2/1/08        | 465.39                               | 65-70                       | 34.00                       | 431.39                            |
|                    | 4/18/08       | 465.39                               | 65-70                       | 28.75                       | 436.64                            |
|                    | 7/28/08       | 465.39                               | 65-70                       | 45.00                       | 420.39                            |
|                    | 11/18/08      | 465.39                               | 65-70                       | 49.62                       | 415.77                            |
|                    | 2/4/09        | 465.39                               | 65-70                       | 47.89                       | 417.50                            |
|                    | 4/21/09       | 465.39                               | 65-70                       | 36.98                       | 428.41                            |
|                    | 9/24/09       | 465.39                               | 65-70                       | 39.49                       | 425.90                            |
|                    | 3/4/10        | 465.39                               | 65-70                       | 26.66                       | 438.73                            |
|                    | 7/19/10       | 465.39                               | 65-70                       | 25.38                       | 440.01                            |
|                    | 1/19/11       | 465.39                               | 65-70                       | 24.50                       | 440.89                            |
|                    | 4/6/11        | 465.39                               | 65-70                       | 19.88                       | 445.51                            |
| 9/19/11            | 465.39        | 65-70                                | 23.50                       | 441.89                      |                                   |
| 11/4/11            | 465.39        | 65-70                                | 24.40                       | 440.99                      |                                   |
| <b>2/1/12</b>      | <b>465.39</b> | <b>65-70</b>                         | <b>34.14</b>                | <b>431.25</b>               |                                   |
| EW-1**             | 4/6/06        | 465.45                               | 15-40                       | 15.99                       | 449.46                            |
|                    | 7/27/06       | 465.45                               | 15-40                       | 23.85                       | 441.60                            |
|                    | 10/12/06      | 465.45                               | 15-40                       | 23.51                       | 441.94                            |
|                    | 1/3/07        | 465.45                               | 15-40                       | 21.45                       | 444.00                            |
|                    | 4/13/07       | 465.45                               | 15-40                       | 23.69                       | 441.76                            |
|                    | 10/29/07      | 465.45                               | 15-40                       | NM                          | NC                                |
|                    | 2/1/08        | 465.45                               | 15-40                       | NM                          | NC                                |
|                    | 4/18/08       | 465.45                               | 15-40                       | 27.83                       | 437.62                            |
|                    | 7/28/08       | 465.45                               | 15-40                       | NM                          | NC                                |
|                    | 11/18/08      | 465.45                               | 15-40                       | Dry                         | NC                                |
|                    | 2/4/09        | 465.45                               | 15-40                       | Dry                         | NC                                |
|                    | 4/21/09       | 465.45                               | 15-40                       | Dry                         | NC                                |
|                    | 9/24/09       | 465.45                               | 15-40                       | Dry                         | NC                                |
|                    | 3/4/10        | 465.45                               | 15-40                       | 27.87                       | NC                                |
|                    | 7/20/10       | 465.45                               | 15-40                       | 24.35                       | 441.10                            |
|                    | 1/19/11       | 465.45                               | 15-40                       | 23.58                       | 441.87                            |
|                    | 4/6/11        | 465.45                               | 15-40                       | 18.85                       | 446.60                            |
| 4/18/11            | 465.45        | 15-40                                | 19.70                       | 445.75                      |                                   |
| 5/9/11             | 465.45        | 15-40                                | 19.69                       | 445.76                      |                                   |
| 6/1/11             | 465.45        | 15-40                                | 20.52                       | 444.93                      |                                   |

**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID  | Date          | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|---------------------|---------------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| EW-1**<br>cont.     | 6/15/11       | 465.45                               | 15-40                       | 21.11                       | 444.34                            |
|                     | 6/30/11       | 465.45                               | 15-40                       | 21.41                       | 444.04                            |
|                     | 9/19/11       | 465.45                               | 15-40                       | 22.35                       | 443.10                            |
|                     | 11/4/11       | 465.45                               | 15-40                       | 23.35                       | 442.10                            |
|                     | <b>2/1/12</b> | <b>465.45</b>                        | <b>15-40</b>                | <b>33.38</b>                | <b>432.07</b>                     |
| EW-2**              | 4/6/06        | 465.99                               | 15-40                       | 16.20                       | 449.79                            |
|                     | 7/27/06       | 465.99                               | 15-40                       | 23.10                       | 442.89                            |
|                     | 10/12/06      | 465.99                               | 15-40                       | 21.48                       | 444.51                            |
|                     | 1/3/07        | 465.99                               | 15-40                       | 21.66                       | 444.33                            |
|                     | 4/13/07       | 465.99                               | 15-40                       | 23.93                       | 442.06                            |
|                     | 10/29/07      | 465.99                               | 15-40                       | Dry                         | NC                                |
|                     | 2/1/08        | 465.99                               | 15-40                       | NM                          | NC                                |
|                     | 4/18/08       | 465.99                               | 15-40                       | 28.04                       | 437.95                            |
|                     | 7/28/08       | 465.99                               | 15-40                       | NM                          | NC                                |
|                     | 11/18/08      | 465.99                               | 15-40                       | Dry                         | NC                                |
|                     | 2/4/09        | 465.99                               | 15-40                       | Dry                         | NC                                |
|                     | 4/21/09       | 465.99                               | 15-40                       | Dry                         | NC                                |
|                     | 9/24/09       | 465.99                               | 15-40                       | Dry                         | NC                                |
|                     | 3/4/10        | 465.99                               | 15-40                       | 25.89                       | NC                                |
|                     | 7/20/10       | 465.99                               | 15-40                       | 24.45                       | 441.54                            |
|                     | 1/19/11       | 465.99                               | 15-40                       | 23.72                       | 442.27                            |
|                     | 4/6/11        | 465.99                               | 15-40                       | 19.00                       | 446.99                            |
|                     | 4/18/11       | 465.99                               | 15-40                       | 19.19                       | 446.80                            |
|                     | 5/9/11        | 465.99                               | 15-40                       | 19.67                       | 446.32                            |
|                     | 6/1/11        | 465.99                               | 15-40                       | 20.71                       | 445.28                            |
| 6/15/11             | 465.99        | 15-40                                | 21.00                       | 444.99                      |                                   |
| 6/30/11             | 465.99        | 15-40                                | 21.31                       | 444.68                      |                                   |
| 9/19/11             | 465.99        | 15-40                                | 23.55                       | 442.44                      |                                   |
| 11/4/11             | 465.99        | 15-40                                | 23.60                       | 442.39                      |                                   |
| <b>2/1/12</b>       | <b>465.99</b> | <b>15-40</b>                         | <b>33.66</b>                | <b>432.33</b>               |                                   |
| EW-3 <sup>(a)</sup> | 11/18/08      | NC                                   | 25-30                       | Dry                         | NC                                |
|                     | 2/4/09        | NC                                   | 25-30                       | 33.80                       | NC                                |
|                     | 4/21/09       | NC                                   | 25-30                       | Dry                         | NC                                |
|                     | 9/24/09       | NC                                   | 25-30                       | Dry                         | NC                                |
|                     | 3/4/10        | NC                                   | 25-30                       | 28.02                       | NC                                |
|                     | 7/20/10       | NC                                   | 25-30                       | NM                          | NC                                |
|                     | 1/19/11       | NC                                   | 25-30                       | 23.50                       | NC                                |
|                     | 4/6/11        | NC                                   | 25-30                       | 18.30                       | NC                                |
|                     | 4/18/11       | NC                                   | 25-30                       | 19.40                       | NC                                |
|                     | 5/9/11        | NC                                   | 25-30                       | 19.67                       | NC                                |
|                     | 6/1/11        | NC                                   | 25-30                       | 20.72                       | NC                                |
|                     | 6/15/11       | NC                                   | 25-30                       | 20.92                       | NC                                |
|                     | 6/30/11       | NC                                   | 25-30                       | 21.11                       | NC                                |
|                     | 9/19/11       | NC                                   | 25-30                       | 23.25                       | NC                                |
|                     | 11/4/11       | NC                                   | 25-30                       | 23.30                       | NC                                |
| <b>2/1/12</b>       | <b>NC</b>     | <b>25-30</b>                         | <b>28.76</b>                | <b>NC</b>                   |                                   |



**Table 1**  
**Groundwater Elevation Data**  
160 Holmes Street, Livermore, California

| Monitoring Well ID | Date          | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|---------------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| MW-8A              | 7/28/08       | NC                                   | 16-36                       | Dry                         | NC                                |
|                    | 11/18/08      | NC                                   | 16-36                       | 35.40                       | NC                                |
|                    | 2/4/09        | NC                                   | 16-36                       | Dry                         | NC                                |
|                    | 4/21/09       | NC                                   | 16-36                       | Dry                         | NC                                |
|                    | 9/24/09       | NC                                   | 16-36                       | Dry                         | NC                                |
|                    | 3/4/10        | NC                                   | 16-36                       | 26.33                       | NC                                |
|                    | 7/20/10       | NC                                   | 16-36                       | 25.00                       | NC                                |
|                    | 1/19/11       | NC                                   | 16-36                       | 24.30                       | NC                                |
|                    | 4/6/11        | NC                                   | 16-36                       | 19.22                       | NC                                |
|                    | 9/19/11       | NC                                   | 16-36                       | 24.05                       | NC                                |
|                    | 11/4/11       | NC                                   | 16-36                       | 24.10                       | NC                                |
|                    | <b>2/1/12</b> | <b>NC</b>                            | <b>16-36</b>                | <b>33.99</b>                | <b>NC</b>                         |
| MW-8B              | 7/28/08       | NC                                   | 46-51                       | 44.90                       | NC                                |
|                    | 11/18/08      | NC                                   | 46-51                       | 49.85                       | NC                                |
|                    | 2/4/09        | NC                                   | 46-51                       | 47.95                       | NC                                |
|                    | 4/21/09       | NC                                   | 46-51                       | 38.75                       | NC                                |
|                    | 9/24/09       | NC                                   | 46-51                       | 38.47                       | NC                                |
|                    | 3/4/10        | NC                                   | 46-51                       | 28.24                       | NC                                |
|                    | 7/20/10       | NC                                   | 46-51                       | 24.70                       | NC                                |
|                    | 1/19/11       | NC                                   | 46-51                       | 24.05                       | NC                                |
|                    | 4/6/11        | NC                                   | 46-51                       | 19.42                       | NC                                |
|                    | 9/19/11       | NC                                   | 46-51                       | 23.80                       | NC                                |
|                    | 11/4/11       | NC                                   | 46-51                       | 23.50                       | NC                                |
|                    | <b>2/1/12</b> | <b>NC</b>                            | <b>46-51</b>                | <b>33.73</b>                | <b>NC</b>                         |
| MW-9A              | 7/28/08       | NC                                   | 14-36                       | Dry                         | NC                                |
|                    | 11/18/08      | NC                                   | 14-36                       | 48.97                       | NC                                |
|                    | 2/4/09        | NC                                   | 14-36                       | Dry                         | NC                                |
|                    | 4/21/09       | NC                                   | 14-36                       | Dry                         | NC                                |
|                    | 9/24/09       | NC                                   | 14-36                       | Dry                         | NC                                |
|                    | 3/4/10        | NC                                   | 14-36                       | 27.86                       | NC                                |
|                    | 7/20/10       | NC                                   | 14-36                       | 24.15                       | NC                                |
|                    | 1/19/11       | NC                                   | 14-36                       | 23.40                       | NC                                |
|                    | 4/6/11        | NC                                   | 14-36                       | 21.50                       | NC                                |
|                    | 9/19/11       | NC                                   | 14-36                       | 23.25                       | NC                                |
|                    | 11/4/11       | NC                                   | 14-36                       | 23.50                       | NC                                |
|                    | <b>2/1/12</b> | <b>NC</b>                            | <b>14-36</b>                | <b>33.10</b>                | <b>NC</b>                         |
| MW-9B              | 7/28/08       | NC                                   | 47-52                       | 44.05                       | NC                                |
|                    | 11/18/08      | NC                                   | 47-52                       | 38.28                       | NC                                |
|                    | 2/4/09        | NC                                   | 47-52                       | 47.03                       | NC                                |
|                    | 4/21/09       | NC                                   | 47-52                       | 35.94                       | NC                                |
|                    | 9/24/09       | NC                                   | 47-52                       | 37.93                       | NC                                |
|                    | 3/4/10        | NC                                   | 47-52                       | 27.68                       | NC                                |
|                    | 7/20/10       | NC                                   | 47-52                       | 24.30                       | NC                                |
|                    | 1/19/11       | NC                                   | 47-52                       | 23.55                       | NC                                |
|                    | 4/6/11        | NC                                   | 47-52                       | 21.21                       | NC                                |
|                    | 9/19/11       | NC                                   | 47-52                       | 23.12                       | NC                                |
|                    | 11/4/11       | NC                                   | 47-52                       | 23.35                       | NC                                |
|                    | <b>2/1/12</b> | <b>NC</b>                            | <b>47-52</b>                | <b>33.13</b>                | <b>NC</b>                         |

**Table 1**  
**Groundwater Elevation Data**  
 160 Holmes Street, Livermore, California

| Monitoring Well ID | Date     | Top of Casing Elevation* (feet, msl) | Screen Interval (feet, bgs) | Depth to Groundwater (feet) | Groundwater Elevation (feet, msl) |
|--------------------|----------|--------------------------------------|-----------------------------|-----------------------------|-----------------------------------|
| EX-1***            | 11/14/01 | 465.30                               | 30-55                       | 33.41                       | 431.89                            |
|                    | 5/7/02   | 465.30                               | 30-55                       | 27.58                       | 437.72                            |
|                    | 9/11/02  | 465.30                               | 30-55                       | NM                          | NC                                |
|                    | 12/11/02 | 465.30                               | 30-55                       | 27.98                       | 437.32                            |
|                    | 3/14/03  | 465.30                               | 30-55                       | 23.02                       | 442.28                            |
|                    | 6/25/03  | 465.30                               | 30-55                       | 22.41                       | 442.89                            |
|                    | 9/16/03  | 465.30                               | 30-55                       | 24.65                       | 440.65                            |
|                    | 3/10/04  | 465.30                               | 30-55                       | 17.99                       | 447.31                            |
|                    | 6/15/04  | 465.30                               | 30-55                       | 22.48                       | 442.82                            |
|                    | 9/17/04  | 465.30                               | 30-55                       | 25.91                       | 439.39                            |
|                    | 12/10/04 | 465.30                               | 30-55                       | NM                          | NC                                |
|                    | 3/2/05   | 465.30                               | 30-55                       | NM                          | NC                                |
|                    | 5/27/05  | 465.30                               | 30-55                       | 18.68                       | 446.62                            |
|                    | 7/21/05  | 465.30                               | 30-55                       | 21.55                       | 443.75                            |
|                    | 10/10/05 | 465.30                               | 30-55                       | 22.73                       | 442.57                            |
|                    | 1/9/06   | 465.30                               | 30-55                       | 18.05                       | 447.25                            |

Notes:

msl = mean sea level

bgs = below ground surface

NA = well not accessible

NM = well not measured

NC = elevation not calculated

\* = Well MW-1, 2, and 3 renamed MW-1A, 2A, and 3A respectively

\*\* = Well installed on 2/22/06-2/28/06

\*\*\* = Well destroyed on 2/22/06-2/28/06

(a) = Well EW-3 is 35 feet deep with a screen interval from 25 to 30 feet bgs.

**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |        | Aromatic Volatile Organic Compounds (µg/L) |         |               |               |              | Oxygenated Volatile Organics (µg/L) |         |        |        |         |          | Lead Scavengers (µg/L) |        |         |
|---------|----------------|--|-------------------------------------|--------|--|---------|---------------|---------------|--------------|-------------------------------------|---------|--------|--------|---------|----------|------------------------|--------|---------|
|         |                |  | Gasoline                            | Diesel | Benzene                                    | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | TAME                                | TBA     | DIPE   | ETBE   | MTBE    | Ethanol  | Methanol               | EDB    | 1,2-DCA |
| MW-1A*  | 8/11/00        | NC                                     | 170,000                             | 57,000 | 6,400                                      | 7,600   | 4,200         | 9,700         | 320,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 10/19/00       | 443.09                                 | 170,000                             | 17,000 | 8,400                                      | 3,200   | 2,700         | 10,000        | 200,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 2/22/01        | 442.12                                 | 82,000                              | 11,000 | 5,100                                      | 1,000   | 13,000        | 8,700         | 190,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 5/30/01        | NC                                     | not sampled - well dry              |        | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 11/14/01       | NC                                     | not sampled - well dry              |        | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 5/7/02         | NC                                     | not sampled - well dry              |        | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 9/11/02        | 438.87                                 | 130,000                             | --     | 7,700                                      | 1,100   | NS            | 1,500         | <5,000       | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 12/1/02        | 437.48                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 3/14/03        | 442.40                                 | 180,000                             | 3,800  | 7,100                                      | 3,200   | 4,300         | 6,000         | 220,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 6/25/03        | 442.93                                 | 71,000                              | 3,100  | 7,500                                      | 4,700   | 4,800         | 8,900         | 210,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 9/16/03        | 440.12                                 | 37,000                              | 3,600  | 4,600                                      | 220     | 3,600         | 930           | 150,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 12/22/03       | 443.28                                 | 44,000                              | 4,000  | 6,800                                      | 1,500   | 4,000         | 3,800         | 180,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 3/10/04        | 447.58                                 | 72,000                              | 3,100  | 6,000                                      | 11,000  | 3,900         | 10,000        | 260,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 6/15/04        | 442.65                                 | 42,000                              | 4,300  | 5,000                                      | 1,800   | 3,700         | 6,000         | 210,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 9/17/04        | 439.42                                 | 24,000                              | 2,900  | 2,800                                      | <33     | 2,900         | 500           | 83,000       | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 12/10/04       | 442.85                                 | 31,000                              | 2,700  | 4,600                                      | 190     | 4,400         | 2,800         | 200,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 3/2/05         | 448.08                                 | 58,000                              | 2,800  | 4,000                                      | 2,500   | 4,500         | 7,800         | 230,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 5/27/05        | 446.61                                 | 79,000                              | 4,600  | 4,300                                      | 6,200   | 5,100         | 13,000        | 240,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 7/21/05        | 443.65                                 | 80,000                              | NS     | 4,300                                      | 5,300   | 5,400         | 14,000        | 300,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 10/10/05       | 442.54                                 | 58,000                              | NS     | 4,300                                      | 240     | 5,600         | 8,300         | 170,000      | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 1/9/06         | 446.98                                 | 47,000                              | 3,700  | 3,100                                      | 1,100   | 4,400         | 5,900         | 180,000      | <2,500                              | <25,000 | <2,500 | <2,500 | 240,000 | <250,000 | <2,500,000             | <2,500 | <2,500  |
|         | 4/6/06         | 449.43                                 | 18,000                              | 1,900  | 1,200                                      | 280     | 2,400         | 2,200         | 110,000      | <2,500                              | <25,000 | <2,500 | <2,500 | 87,000  | <250,000 | <2,500,000             | <2,500 | <2,500  |
|         | 7/27/06        | 442.61                                 | 24,000                              | 2,400  | 2,100                                      | 350     | 3,400         | 5,300         | 130,000      | <5000                               | <50,000 | <5000  | <5000  | 160,000 | --       | --                     | --     | --      |
|         | 10/12/06       | 441.57                                 | 19,000                              | 1,700  | 1,000                                      | 26      | 2,000         | 1,000         | 68,000       | <1,200                              | <12,000 | <1,200 | <1,200 | 84,000  | <120,000 | <1,200,000             | --     | --      |
|         | 1/3/07         | 444.03                                 | 27,000                              | 2,300  | 1,300                                      | 53      | 2,500         | 1,900         | 120,000      | <1,700                              | <1,700  | <1,700 | <1,700 | 110,000 | <170,000 | <1,700,000             | <1,700 | <1,700  |
|         | 4/13/07        | 441.79                                 | 28,000                              | 3,000  | 1,600                                      | 74      | 3,700         | 1,800         | 190,000      | <5,000                              | <50,000 | <5,000 | <5,000 | 200,000 | <500,000 | <5,000,000             | <5,000 | <5,000  |
|         | 7/16/07        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 10/29/07       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 2/1/08         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 4/18/08        | 437.69                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 7/28/08        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 11/18/08       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 2/4/09         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 4/21/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 9/24/09        | 430.03                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |
|         | 3/4/10         | 436.98                                 | 1,300                               | --     | 140  | <5.0    | 26            | 6.0           | 16,000       | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 7/19/10        | 441.18                                 | 400                                 | --     | 1.2  | 1.3     | <0.5          | 0.76          | 880          | --                                  | --      | --     | --     | --      | --       | --                     | --     | --      |
|         | 1/20/11        | 441.91                                 | 150                                 | 130    | 1.4  | 0.6     | <0.5          | 1.4           | 300          | <250                                | 40,000  | <250   | <250   | 330     | --       | --                     | <250   | <250    |
|         | 4/8/11         | 442.37                                 | 200                                 | 180    | 2.0  | 1.9     | <0.5          | 4.4           | 1,300        | <120                                | 24,000  | <120   | <120   | 2,300   | --       | --                     | <120   | <120    |
|         | 4/18/11        | 446.33                                 | 140                                 | 130    | 0.56                                       | <0.5    | <0.5          | 4.2           | 1,500        | <50                                 | 11,000  | <50    | <50    | 1,200   | --       | --                     | <0.5   | <0.5    |
|         | 5/9/11         | 445.77                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 880          | <50                                 | 12,000  | <50    | <50    | 1,000   | --       | --                     | <50    | <50     |
|         | 6/1/11         | 444.93                                 | <50                                 | 52     | <0.5                                       | <0.5    | <0.5          | <0.5          | 350          | <50                                 | 12,000  | <50    | <50    | 480     | --       | --                     | <50    | <50     |
|         | 6/15/11        | 444.59                                 | <50                                 | 70     | <0.5                                       | <0.5    | <0.5          | <0.5          | 310          | <100                                | 9,000   | <100   | <100   | 330     | --       | --                     | <100   | <100    |
|         | 6/30/11        | 444.30                                 | <50                                 | 54     | <0.5                                       | <0.5    | <0.5          | <0.5          | 150          | <50                                 | 6,200   | <50    | <50    | 170     | --       | --                     | <50    | <50     |
|         | 9/20/11        | 442.12                                 | 96                                  | 200    | <0.5                                       | 0.60    | <0.5          | 0.55          | 140          | <120                                | 19,000  | <120   | <120   | 150     | --       | --                     | <120   | <120    |
|         | 11/8/11        | 442.03                                 | 100                                 | 150    | 1.3  | 0.99    | <0.5          | 1.1           | 110          | <100                                | 21,000  | <100   | <100   | 150     | --       | --                     | <100   | <100    |
|         | 2/1/12         | NC                                     | not sampled - well dry              |        | NS   | NS      | NS            | NS            | NS           | NS                                  | NS      | NS     | NS     | NS      | NS       | NS                     | NS     | NS      |

**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID  | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |        | Aromatic Volatile Organic Compounds (µg/L) |         |               |               |              | Oxygenated Volatile Organics (µg/L) |        |      |      |      |         | Lead Scavengers (µg/L) |      |         |    |
|----------|----------------|--|-------------------------------------|--------|--|---------|---------------|---------------|--------------|-------------------------------------|--------|------|------|------|---------|------------------------|------|---------|----|
|          |                |  | Gasoline                            | Diesel | Benzene                                    | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | TAME                                | TBA    | DIPE | ETBE | MTBE | Ethanol | Methanol               | EDB  | 1,2-DCA |    |
| MW-1B    | 3/13/06        | 446.44                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 8.2          | <0.5                                | <5.0   | <0.5 | <0.5 | 7.9  | <50     | <500                   | <0.5 | <0.5    |    |
|          | 4/6/06         | 449.43                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5 | <0.5 | 1.0  | <50     | <500                   | <0.5 | <0.5    |    |
|          | 7/27/06        | 442.55                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5 | <0.5 | --   | --      | --                     | --   | --      |    |
|          | 10/12/06       | 441.51                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5 | <0.5 | <50  | <500    | --                     | --   | --      |    |
|          | 1/3/07         | 443.98                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 | <0.5    |    |
|          | 4/13/07        | 441.72                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 | <0.5    |    |
|          | 7/16/07        | 429.45                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5 | <0.5 | --   | --      | --                     | --   | --      |    |
|          | 10/29/07       | 417.70                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 | <0.5    |    |
|          | 2/1/08         | 431.12                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 | <0.5    |    |
|          | 4/18/08        | 437.67                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 | <0.5    |    |
|          | 7/29/08        | 420.99                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 | <0.5    |    |
|          | 11/18/08       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|          | 2/4/09         | 418.19                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      | -- |
|          | 4/21/09        | 427.92                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      | -- |
|          | 9/24/09        | 427.26                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      | -- |
|          | 3/4/10         | 437.61                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      | -- |
|          | 7/19/10        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      | -- |
|          | 1/20/11        | 441.92                                 | <50                                 | 130    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <250                                | 40,000 | <250 | <250 | 330  | --      | --                     | <250 | <250    |    |
|          | 4/8/11         | 446.62                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5 | <0.5 | <0.5 | --      | --                     | <0.5 | <0.5    |    |
|          | 4/18/11        | 446.42                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5 | <0.5 | <0.5 | --      | --                     | <0.5 | <0.5    |    |
|          | 5/9/11         | 445.91                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5 | <0.5 | <0.5 | --      | --                     | <0.5 | <0.5    |    |
| 6/1/11   | 444.92         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5   | <0.5 | <0.5 | --   | --      | <0.5                   | <0.5 |         |    |
| 6/15/11  | 444.58         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5   | <0.5 | <0.5 | --   | --      | <0.5                   | <0.5 |         |    |
| 6/30/11  | 444.28         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5   | <0.5 | <0.5 | --   | --      | <0.5                   | <0.5 |         |    |
| 9/20/11  | 442.10         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5   | <0.5 | <0.5 | --   | --      | <0.5                   | <0.5 |         |    |
| 11/8/11  | 442.07         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5   | <0.5 | <0.5 | --   | --      | <0.5                   | <0.5 |         |    |
| 2/2/12   | 432.02         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5   | <0.5 | <0.5 | --   | --      | <0.5                   | <0.5 |         |    |
| MW- 2A*  | 8/11/00        | NC                                     | 4,500                               | 1,900  | 220  | 52      | 160           | 170           | 3,000        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 10/19/00       | 443.14                                 | 3,400                               | 1,300  | 150  | 21      | 100           | 70            | 1,900        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 2/22/01        | 442.07                                 | 7,600                               | 880    | 25   | <10     | 69            | 25            | 2,200        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 5/30/01        | NC                                     | not sampled - well dry              |        |  | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|          | 11/14/01       | NC                                     | not sampled - well dry              |        |  | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|          | 5/7/02         | 438.24                                 | 400                                 | 86     | 5.4  | <0.5    | 1.9           | 2.3           | 230          | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 9/11/02        | 438.98                                 | 260                                 | --     | 1.3  | <0.5    | 0.57          | 0.77          | 200          | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 12/1/02        | 437.38                                 | 250                                 | 120    | 7.9  | 1.6     | 13            | 9.9           | 180          | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 3/14/03        | 442.53                                 | 830                                 | 110    | 56   | <0.5    | <0.5          | <1.0          | 1,200        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 6/25/03        | 442.97                                 | 260                                 | 180    | 0.92                                       | 2.9     | 3.1           | 8.1           | 2,000        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 9/16/03        | 440.24                                 | 420                                 | 260    | 3.6  | 3.4     | 5.2           | 2.4           | 1,300        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 12/22/03       | 443.36                                 | 240                                 | 120    | 0.82                                       | 3.1     | 7.8           | 3.9           | 1,400        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 3/10/04        | 447.63                                 | 280                                 | 210    | 9.4  | 4.2     | 14            | 11            | 1,400        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 6/15/04        | 442.76                                 | 150                                 | 150    | 2.1  | 2.4     | 2.2           | 1.3           | 1,500        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 9/17/04        | 439.50                                 | 61                                  | 70     | <0.5                                       | 1.0     | <0.5          | <0.5          | 730          | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 12/10/04       | 442.94                                 | 84                                  | 110    | <0.5                                       | 1.2     | <0.5          | 1.5           | 1,300        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 3/2/05         | 448.19                                 | 63                                  | 91     | 0.55                                       | <0.5    | 0.63          | 0.51          | 1,000        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 5/27/05        | 446.65                                 | 270                                 | 59     | 14   | 3.9     | 19            | 6.8           | 1,100        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 7/21/05        | 444.48                                 | 280                                 | NS     | 8.6  | 2.5     | 17            | 2.5           | 1,500        | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 10/10/05       | 442.64                                 | <50                                 | NS     | <.5  | <.5     | <.5           | <.5           | 680          | --                                  | --     | --   | --   | --   | --      | --                     | --   | --      |    |
|          | 1/9/06         | 447.27                                 | 1,700                               | 890    | 4.4  | 1.3     | 120           | 18            | 530          | <10                                 | 330    | <10  | <10  | 590  | <1,000  | <10,000                | <10  | <10     |    |
| 4/7/06   | 449.47         | 110                                    | 160                                 | 0.61   | 0.80                                       | 4.1     | <0.5          | 270           | <5.0         | 660                                 | <5.0   | <5.0 | 240  | <500 | <5,000  | <5.0                   | <5.0 |         |    |
| 7/27/06  | 442.67         | <50                                    | 120                                 | <0.5   | 0.84                                       | <0.5    | <0.5          | 87            | <5.0         | 870                                 | <5.0   | <5.0 | 110  | --   | --      | --                     | --   |         |    |
| 10/12/06 | 441.59         | <50                                    | 70                                  | <0.5   | <0.5                                       | <0.5    | <0.5          | 29            | <5.0         | 480                                 | <5.0   | <5.0 | 30   | <500 | <5,000  | --                     | --   |         |    |

**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID          | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |        | Aromatic Volatile Organic Compounds (µg/L) |         |               |               |              | Oxygenated Volatile Organics (µg/L) |      |      |      |      |         | Lead Scavengers (µg/L) |      |         |    |
|------------------|----------------|--|-------------------------------------|--------|--|---------|---------------|---------------|--------------|-------------------------------------|------|------|------|------|---------|------------------------|------|---------|----|
|                  |                |  | Gasoline                            | Diesel | Benzene                                    | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | TAME                                | TBA  | DIPE | ETBE | MTBE | Ethanol | Methanol               | EDB  | 1,2-DCA |    |
| MW- 2A*<br>cont. | 1/3/07         | 444.04                                 | 55                                  | 60     | 0.57                                       | <0.5    | <0.5          | <0.5          | 8.5          | <2.5                                | 590  | <2.5 | <2.5 | 7.8  | <250    | <2,500                 | <2.5 | <2.5    |    |
|                  | 4/13/07        | 441.78                                 | 86                                  | 130    | <0.5                                       | 0.60    | <0.5          | <0.5          | 16           | <5.0                                | 740  | <5.0 | <5.0 | 16   | <500    | <5,000                 | <5.0 | <5.0    |    |
|                  | 7/16/07        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |    |
|                  | 10/29/07       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |    |
|                  | 2/1/08         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |    |
|                  | 4/18/08        | 437.68                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|                  | 7/28/08        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|                  | 11/18/08       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|                  | 2/4/09         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|                  | 4/21/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|                  | 9/24/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|                  | 3/4/10         | 439.82                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      | -- |
|                  | 7/20/10        | 439.09                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      | -- |
|                  | 1/21/11        | 439.64                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 2.8          | <5.0                                | <5.0 | <5.0 | <5.0 | 2.8  | --      | --                     | <5.0 | <5.0    |    |
|                  | 4/8/11         | 446.64                                 | <50                                 | <50    | <0.5                                       | 0.77    | <0.5          | 6.2           | <5.0         | <0.5                                | 15   | <0.5 | <0.5 | 3.3  | --      | --                     | <0.5 | <0.5    |    |
|                  | 9/20/11        | 442.49                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 7.9  | <0.5 | <0.5 | 2.8  | --      | --                     | <0.5 | <0.5    |    |
| 11/8/11          | 442.17         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5 | <0.5 | 2.3  | --   | --      | <0.5                   | <0.5 |         |    |
| 2/1/12           | NC             | not sampled - well dry                 |                                     |        | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |    |
| MW- 3A*          | 8/11/00        | NC                                     | 59                                  | 260    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 10/19/00       | 443.39                                 | <50                                 | <65    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 2/22/01        | 442.33                                 | <50                                 | 100    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 5/30/01        | NC                                     | not sampled - well dry              |        |  | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|                  | 11/14/01       | NC                                     | not sampled - well dry              |        |  | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|                  | 5/7/02         | NC                                     | not sampled - well dry              |        |  | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      | NS |
|                  | 9/11/02        | 439.23                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 12/1/02        | 437.66                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |    |
|                  | 3/14/03        | 442.80                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 6/25/03        | 443.25                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 9/16/03        | 440.51                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 12/22/03       | 443.47                                 | <50                                 | 69     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 3/10/04        | 447.96                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 6/15/04        | 443.02                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 9/17/04        | 439.75                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 12/10/04       | 443.19                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 7.6          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 3/2/05         | 448.51                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 5/27/05        | 446.95                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 7/21/05        | 444.74                                 | <50                                 | NS     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
|                  | 10/10/05       | 442.90                                 | <50                                 | NS     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |    |
| 1/9/06           | 447.60         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <5.0                                | <0.5 | <5.0 | <0.5 | <50  | <500    | <0.5                   | <0.5 |         |    |
| 4/7/06           | 449.82         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <5.0                                | <0.5 | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 |         |    |
| 7/27/06          | 442.94         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <5.0                                | <0.5 | <0.5 | <0.5 | --   | --      | --                     | --   |         |    |
| 10/12/06         | 441.85         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <5.0                                | <0.5 | <0.5 | <0.5 | <50  | <500    | --                     | --   |         |    |
| 1/3/07           | 444.32         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <5.0                                | <0.5 | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 |         |    |
| 4/13/07          | 442.06         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <5.0                                | <0.5 | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 |         |    |
| 7/16/07          | NC             | NS                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   |         |    |
| 10/29/07         | NC             | NS                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   |         |    |

**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID          | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |        | Aromatic Volatile Organic Compounds (µg/L) |         |               |               |              | Oxygenated Volatile Organics (µg/L) |      |      |      |      |         | Lead Scavengers (µg/L) |      |         |
|------------------|----------------|--|-------------------------------------|--------|--|---------|---------------|---------------|--------------|-------------------------------------|------|------|------|------|---------|------------------------|------|---------|
|                  |                |  | Gasoline                            | Diesel | Benzene                                    | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | TAME                                | TBA  | DIPE | ETBE | MTBE | Ethanol | Methanol               | EDB  | 1,2-DCA |
| MW- 3A*<br>cont. | 2/1/08         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 4/18/08        | 437.98                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 7/28/08        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 11/18/08       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 2/4/09         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 4/21/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 9/24/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 3/4/10         | 437.89                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|                  | 7/19/10        | 439.29                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|                  | 1/20/11        | 442.21                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|                  | 4/8/11         | 446.94                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|                  | 9/20/11        | 442.45                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|                  | 11/8/11        | 442.25                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
| 2/1/12           | NC             | not sampled - well dry                 |                                     |        | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   |         |
| MW-4**           | 11/14/01       | 431.31                                 | 510                                 | 90     | 4.0  | <0.5    | <0.5          | <0.5          | 14           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 5/7/02         | 438.40                                 | 150                                 | <50    | 3.5  | 0.5     | <0.5          | <0.5          | 48           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 9/11/02        | 438.49                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | 15           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 12/1/02        | 436.76                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 24           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 3/14/03        | 442.01                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <1.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 6/25/03        | 442.43                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <1.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 9/16/03        | 439.76                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 12/22/03       | 442.73                                 | <50                                 | 69     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 3/10/04        | 446.95                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 37           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 6/15/04        | 442.20                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 7.4          | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 9/17/04        | 439.03                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 12/10/04       | 442.42                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 3/2/05         | 447.55                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 14           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
|                  | 5/27/05        | 446.01                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 9.6          | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
| 7/21/05          | 443.90         | <50                                    | NS                                  | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | --           | --                                  | --   | --   | --   | --   | --      | --                     |      |         |
| 10/10/05         | 442.30         | <50                                    | NS                                  | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | --           | --                                  | --   | --   | --   | --   | --      | --                     |      |         |
| 1/9/06           | 446.61         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | 0.86          | <0.5         | <5.0                                | <0.5 | <5.0 | 0.86 | <50  | <500    | <5.0                   | <5.0 |         |
| MW-4A            | 3/13/06        | 445.87                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 0.70 | <50     | <500                   | <0.5 | <0.5    |
|                  | 4/7/06         | 448.77                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <5.0 | 1.1  | <50     | <500                   | <0.5 | <0.5    |
|                  | 7/28/06        | 442.09                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 3.0  | --      | --                     | --   | --      |
|                  | 10/13/06       | 441.06                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 2.0  | <50     | <500                   | --   | --      |
|                  | 1/4/07         | 443.44                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 0.79 | <50     | <500                   | <0.5 | <0.5    |
|                  | 4/16/07        | 441.18                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 0.51 | <50     | <500                   | <0.5 | <0.5    |
|                  | 7/16/07        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 10/29/07       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 2/1/08         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 4/18/08        | 437.05                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 7/28/08        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 11/18/08       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 2/4/09         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 4/21/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|                  | 9/24/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |

**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID     | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |        | Aromatic Volatile Organic Compounds (µg/L) |         |               |               |              | Oxygenated Volatile Organics (µg/L) |      |      |      |      |         | Lead Scavengers (µg/L) |      |         |
|-------------|----------------|--|-------------------------------------|--------|--|---------|---------------|---------------|--------------|-------------------------------------|------|------|------|------|---------|------------------------|------|---------|
|             |                |  | Gasoline                            | Diesel | Benzene                                    | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | TAME                                | TBA  | DIPE | ETBE | MTBE | Ethanol | Methanol               | EDB  | 1,2-DCA |
| MW-4A cont. | 3/4/10         | 439.30                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 7/20/10        | 440.71                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 1/20/11        | 441.32                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 4/7/11         | 436.16                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 9/19/11        | 441.53                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 11/7/11        | 441.56                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 2/1/12         | NC                                     | not sampled - well dry              |        | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
| MW-5**      | 11/14/01       | 429.71                                 | <50                                 | <66    | <0.5                                       | <0.5    | <0.5          | <0.5          | 8.2          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 5/7/02         | 436.75                                 | 140                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 110          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 9/11/02        | 436.66                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | 6.3          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 12/1/02        | 435.15                                 | 73                                  | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 160          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 3/14/03        | 440.39                                 | 110                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 170          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 6/25/03        | 440.64                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 89           | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 9/16/03        | 437.82                                 | 630                                 | <50    | <0.5                                       | 3.5     | <0.5          | 2.6           | 1,500        | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 12/22/03       | 440.97                                 | <0.5                                | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 630          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 3/10/04        | 445.43                                 | 57                                  | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 1,100        | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 6/15/04        | 440.45                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 750          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 9/17/04        | 436.97                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 780          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 12/10/04       | 440.72                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 120          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 3/2/05         | 446.09                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 320          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 5/27/05        | 444.50                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 120          | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 7/21/05        | 442.10                                 | <50                                 | NS     | <0.5                                       | <0.5    | <0.5          | <0.5          | 97           | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
| 10/10/05    | 441.30         | <50                                    | NS                                  | <0.5   | <0.5                                       | <0.5    | <0.5          | 41            | --           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
| 1/9/06      | 445.12         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | 37            | <0.5         | <5.0                                | <0.5 | <5.0 | <5.0 | <50  | <500    | <0.5                   | <0.5 |         |
| MW-5A       | 3/13/06        | 444.48                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | <0.5 | <50     | <500                   | <0.5 | <0.5    |
|             | 4/7/06         | 447.29                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | <0.5 | <50     | <500                   | <0.5 | <0.5    |
|             | 7/28/06        | 440.24                                 | <50                                 | 62     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | --   | --      | --                     | --   |         |
|             | 10/13/06       | 439.06                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 6.3  | <0.5 | <0.5 | 0.61 | <50     | <500                   | --   | --      |
|             | 1/4/07         | 442.11                                 | <50                                 | 320    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | <0.5 | <50     | <500                   | <0.5 | <0.5    |
|             | 4/16/07        | 439.87                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | <0.5 | <50     | <500                   | <0.5 | <0.5    |
|             | 7/16/07        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|             | 10/29/07       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|             | 2/1/08         | 430.61                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0 | <0.5 | <0.5 | 1.3  | <50     | <500                   | <0.5 | <0.5    |
|             | 4/18/08        | 436.51                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|             | 7/28/08        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|             | 11/18/08       | 464.64                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|             | 2/4/09         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|             | 4/21/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|             | 9/24/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
|             | 3/4/10         | 435.87                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 7/20/10        | 440.07                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|             | 1/19/11        | 440.12                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
| 4/7/11      | 436.16         | <50                                    | --                                  | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | --           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
| 9/19/11     | 440.02         | <50                                    | --                                  | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | --           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
| 11/7/11     | 440.14         | <50                                    | --                                  | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | --           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
| 2/1/12      | NC             | not sampled - well dry                 |                                     | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   |         |

**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID  | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |                | Aromatic Volatile Organic Compounds (µg/L) |                |                |                |              | Oxygenated Volatile Organics (µg/L) |      |      |      |      |         | Lead Scavengers (µg/L) |      |         |
|----------|----------------|--|-------------------------------------|----------------|--|----------------|----------------|----------------|--------------|-------------------------------------|------|------|------|------|---------|------------------------|------|---------|
|          |                |  | Gasoline                            | Diesel         | Benzene                                    | Toluene        | Ethyl-benzene  | Total Xylenes  | MTBE (8021B) | TAME                                | TBA  | DIPE | ETBE | MTBE | Ethanol | Methanol               | EDB  | 1,2-DCA |
| MW-5B    | 3/13/06        | 444.46                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 0.69 | <50     | <500                   | <0.5 | <0.5    |
|          | 4/7/06         | 447.15                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 0.98 | <50     | <500                   | <0.5 | <0.5    |
|          | 7/28/06        | 440.50                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | 6.8          | <0.5                                | 6.3  | <0.5 | <0.5 | 0.61 | --      | --                     | --   | --      |
|          | 10/13/06       | 439.42                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 3.6  | <50     | <500                   | --   | --      |
|          | 1/4/07         | 442.15                                 | <50                                 | 89             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 1.3  | <50     | <500                   | <0.5 | <0.5    |
|          | 4/16/07        | 439.26                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 1.5  | <50     | <500                   | <0.5 | <0.5    |
|          | 7/17/07        | 428.09                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | 1.4  | --      | --                     | --   | --      |
|          | 10/29/07       | 416.69                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | <0.5 | <50     | <500                   | <0.5 | <0.5    |
|          | 2/1/08         | 431.34                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <2.0 | <0.5 | <0.5 | 1.9  | <50     | <500                   | <0.5 | <0.5    |
|          | 4/18/08        | 435.82                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <2.0 | <0.5 | <0.5 | 1.5  | <50     | <500                   | <0.5 | <0.5    |
|          | 7/29/08        | 419.83                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <2.0 | <0.5 | <0.5 | <0.5 | <50     | <500                   | <0.5 | <0.5    |
|          | 11/18/08       | 412.94                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <2.0 | <0.5 | <0.5 | 1.2  | <50     | <500                   | <0.5 | <0.5    |
|          | 2/4/09         | 416.96                                 | <50                                 | --             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 4/22/09        | 427.59                                 | <50                                 | --             | <0.5                                       | <0.5           | <0.5           | <0.5           | 48           | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 9/24/09        | 424.86                                 | <50                                 | --             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <2.0 | <0.5 | <0.5 | 1.3  | <50     | <500                   | <0.5 | <0.5    |
|          | 3/4/10         | 435.62                                 | <50                                 | --             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 7/19/10        | 439.19                                 | <50                                 | --             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 1/19/11        | 440.07                                 | <50                                 | --             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 4/6/11         | 444.66                                 | <50                                 | --             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 9/19/11        | 440.09                                 | <50                                 | --             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
| 11/7/11  | 440.19         | <50                                    | --                                  | <0.5           | <0.5                                       | <0.5           | <0.5           | <5.0           | --           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
| 2/1/12   | <b>430.63</b>  | <b>&lt;50</b>                          | --                                  | <b>&lt;0.5</b> | <b>&lt;0.5</b>                             | <b>&lt;0.5</b> | <b>&lt;0.5</b> | <b>&lt;5.0</b> | --           | --                                  | --   | --   | --   | --   | --      | --                     | --   |         |
| MW-6     | 11/14/01       | 430.25                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 5/7/02         | 437.12                                 | <50                                 | <67            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 9/11/02        | 437.10                                 | <50                                 | --             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 12/1/02        | 435.36                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <1.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 3/14/03        | 440.67                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <1.0           | <1.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 6/25/03        | 441.05                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <1.0           | <1.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 9/16/03        | 438.36                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 12/22/03       | 441.54                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 3/10/04        | 445.48                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 6/15/04        | 440.82                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 9/17/04        | 437.57                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 12/10/04       | 441.04                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 3/2/05         | 446.09                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 5/27/05        | 444.56                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 7/21/05        | 442.53                                 | <50                                 | NS             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 10/10/05       | 441.92                                 | <50                                 | NS             | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | --                                  | --   | --   | --   | --   | --      | --                     | --   | --      |
|          | 1/9/06         | 445.14                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <0.5         | <0.5                                | <5.0 | <0.5 | <0.5 | 0.86 | <50     | <500                   | <0.5 | <0.5    |
|          | 4/6/06         | 447.13                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | <0.5 | <50     | <500                   | <0.5 | <0.5    |
|          | 7/28/06        | 440.68                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | <0.5 | --      | --                     | --   | --      |
|          | 10/13/06       | 439.77                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | <0.5 | <50     | <500                   | --   | --      |
|          | 1/4/07         | 442.10                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | <0.5 | <50     | <500                   | <0.5 | <0.5    |
|          | 4/16/07        | 439.73                                 | <50                                 | <50            | <0.5                                       | <0.5           | <0.5           | <0.5           | <5.0         | <0.5                                | <5.0 | <0.5 | <0.5 | <0.5 | <50     | <500                   | <0.5 | <0.5    |
|          | 7/16/07        | NC                                     | NS                                  | NS             | NS   | NS             | NS             | NS             | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
| 10/29/07 | NC             | NS                                     | NS                                  | NS             | NS   | NS             | NS             | NS             | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   |         |
| 2/1/08   | 431.08         | <50                                    | <50                                 | <0.5           | <0.5                                       | <0.5           | 0.91           | <5.0           | <0.5         | <2.0                                | <0.5 | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 |         |
| 4/18/08  | 435.93         | <50                                    | <50                                 | <0.5           | <0.5                                       | <0.5           | 0.91           | <5.0           | <0.5         | <2.0                                | <0.5 | <0.5 | <0.5 | <50  | <500    | <0.5                   | <0.5 |         |
| 7/28/08  | NC             | NS                                     | NS                                  | NS             | NS   | NS             | NS             | NS             | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   |         |
| 11/18/08 | NC             | NS                                     | NS                                  | NS             | NS   | NS             | NS             | NS             | NS           | NS                                  | NS   | NS   | NS   | NS   | NS      | NS                     | NS   |         |



**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID    | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |        | Aromatic Volatile Organic Compounds (µg/L) |         |               |               |              | Oxygenated Volatile Organics (µg/L) |        |        |      |       |         | Lead Scavengers (µg/L) |          |         |      |
|------------|----------------|--|-------------------------------------|--------|--|---------|---------------|---------------|--------------|-------------------------------------|--------|--------|------|-------|---------|------------------------|----------|---------|------|
|            |                |  | Gasoline                            | Diesel | Benzene                                    | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | TAME                                | TBA    | DIPE   | ETBE | MTBE  | Ethanol | Methanol               | EDB      | 1,2-DCA |      |
| MW-6 cont. | 2/4/09         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |
|            | 4/22/09        | 425.42                                 | <50                                 | NS     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --   | --    | --      | --                     | --       | --      |      |
|            | 9/24/09        | 425.87                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5   | <0.5 | <0.5  | <50     | <500                   | <0.5     | <0.5    |      |
|            | 3/4/10         | 438.11                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --   | --    | --      | --                     | --       | --      |      |
|            | 7/19/20        | 439.48                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --   | --    | --      | --                     | --       | --      |      |
|            | 1/19/11        | 440.13                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --   | --    | --      | --                     | --       | --      |      |
|            | 4/6/11         | 442.37                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --   | --    | --      | --                     | --       | --      |      |
|            | 9/19/11        | 440.37                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --   | --    | --      | --                     | --       | --      |      |
|            | 11/7/11        | 441.13                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --   | --    | --      | --                     | --       | --      |      |
|            | 2/1/12         | 430.70                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --   | --    | --      | --                     | --       | --      |      |
|            | MW-7A          | 3/13/06                                | 445.85                              | 6,200  | 1,800                                      | 140     | 21            | 200           | 560          | 6,900                               | <100   | 4,400  | <100 | <100  | 6,300   | <10,000                | <100,000 | <100    | <100 |
| 4/7/06     |                | 448.71                                 | 5,300                               | 1,700  | 130  | 26      | 330           | 420           | 5,900        | <100                                | 7,500  | <100   | <100 | 6,600 | <10,000 | <100,000               | <100     | <100    |      |
| 7/28/06    |                | 441.92                                 | 2,200                               | 470    | 28   | 18      | 60            | 0.85          | 240          | <25                                 | 4,700  | <25    | <25  | 240   | --      | --                     | --       | --      |      |
| 10/12/06   |                | 440.82                                 | 6,500                               | 2,400  | 83   | 38      | 300           | 160           | 980          | <17                                 | 4,700  | <10    | <17  | 1200  | <1,700  | <17,000                | --       | --      |      |
| ***        |                | 11/21/06                               | NM                                  | 1,400  | --   | 25      | 17            | 65            | <0.5         | 45                                  | <10    | 1,400  | <10  | <10   | 42      | <1,000                 | <10,000  | <10     | <10  |
| 1/4/07     |                | 443.52                                 | 1,000                               | 440    | 12   | 18      | 48            | 8.3           | 75           | <5.0                                | 1,100  | <5.0   | <5.0 | 73    | <500    | <5,000                 | <5.0     | <5.0    |      |
| 4/16/07    |                | 441.27                                 | 520                                 | 470    | 17   | 5.6     | 2.6           | 0.88          | 140          | <12                                 | 2,500  | <12    | <12  | 170   | <1,200  | <12,000                | <12      | <12     |      |
| 7/16/07    |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |
| 10/29/07   |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |
| 2/1/08     |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |
| 4/18/08    |                | 437.16                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |
| 7/28/08    |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |
| 11/18/08   |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |
| 2/4/09     |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |
| 4/21/09    |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |
| 9/24/09    |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |
| 3/4/10     |                | 439.02                                 | 83                                  | --     | <0.5                                       | 0.81    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --   | --    | --      | --                     | --       | --      |      |
| 7/19/10    |                | 440.54                                 | 680                                 | --     | <0.5                                       | 10      | 4.9           | 4.5           | <5.0         | --                                  | --     | --     | --   | --    | --      | --                     | --       | --      |      |
| 1/20/11    |                | 441.72                                 | 580                                 | 310    | <0.5                                       | 7.3     | 7.2           | 1.5           | <5.0         | <2.5                                | 490    | <2.5   | <2.5 | 5.8   | --      | --                     | <2.5     | <2.5    |      |
| 4/11/11    |                | 445.97                                 | 140                                 | <50    | <0.5                                       | 1.7     | <0.5          | <0.5          | <5.0         | <2.5                                | 540    | <2.5   | <2.5 | 5.8   | --      | --                     | <2.5     | <2.5    |      |
| 4/18/11    |                | 445.73                                 | 91                                  | 90     | <0.5                                       | 0.94    | <0.5          | <0.5          | 8.5          | 400                                 | 400    | <2.5   | <2.5 | 5.8   | --      | --                     | <2.5     | <2.5    |      |
| 5/9/11     |                | 444.17                                 | <50                                 | 69     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <1.7                                | 350    | <1.7   | <1.7 | 5.9   | --      | --                     | <1.7     | <1.7    |      |
| 6/1/11     |                | 444.31                                 | 58                                  | 77     | <0.5                                       | 0.76    | 0.79          | 0.97          | 5.2          | <1.7                                | 250    | <1.7   | <1.7 | 5.5   | --      | --                     | <1.7     | <1.7    |      |
| 6/15/11    | 443.87         | <50                                    | 80                                  | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <1.0         | 190                                 | <1.0   | <1.0   | 3.8  | --    | --      | <1.0                   | <1.0     |         |      |
| 6/30/11    | 443.45         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | 81                                  | <0.5   | <0.5   | 2.5  | --    | --      | <0.5                   | <0.5     |         |      |
| 9/19/11    | 441.36         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | 4.4                                 | <0.5   | <0.5   | <0.5 | --    | --      | <0.5                   | <0.5     |         |      |
| 11/7/11    | 441.87         | <50                                    | <50                                 | <0.5   | 0.64                                       | <0.5    | <0.5          | <5.0          | <0.5         | 3.3                                 | <0.5   | <0.5   | 0.67 | --    | --      | <0.5                   | <0.5     |         |      |
| 2/1/12     | NC             | not sampled - well dry                 |                                     |        | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       |         |      |
| MW-7B      | 3/13/06        | 445.64                                 | 230                                 | <50    | 1.8  | 4.7     | <0.5          | 2.2           | 1,500        | <50                                 | 7,300  | <50    | <50  | 1,300 | <5,000  | <50,000                | <50      | <50     |      |
|            | 4/7/06         | 448.54                                 | 81                                  | <50    | 1.9  | 1.6     | 1.1           | 0.58          | 1,000        | <50                                 | 9,200  | <50    | <50  | 930   | <5,000  | <50,000                | <50      | <50     |      |
|            | 7/28/06        | 441.67                                 | 150                                 | <50    | <0.5                                       | 1.9     | <0.5          | <0.5          | 1,500        | <50                                 | 16,000 | <50    | <50  | 1,900 | --      | --                     | --       | --      |      |
|            | 10/12/06       | 440.65                                 | 110                                 | <50    | <0.5                                       | 1.3     | <0.5          | <0.5          | 900          | <17                                 | 15,000 | <17    | <17  | 860   | <1700   | <17,000                | --       | --      |      |
|            | ***            | 11/21/06                               | NM                                  | 61     | --   | <0.5    | 0.76          | <0.5          | <0.5         | 740                                 | <50    | 10,000 | <50  | <50   | 680     | <5,000                 | <50,000  | <50     | <50  |
|            | 1/4/07         | 443.21                                 | 91                                  | <50    | <0.5                                       | 2.1     | <0.5          | <0.5          | 200          | <50                                 | 11,000 | <50    | <50  | 180   | <5,000  | <50,000                | <50      | <50     |      |
|            | 4/16/07        | 440.98                                 | 94                                  | <50    | <0.5                                       | 2.6     | <0.5          | <0.5          | 35           | <50                                 | 10,000 | <50    | <50  | <50   | <5,000  | <50,000                | <50      | <50     |      |
|            | 7/17/07        | 428.99                                 | <50                                 | <50    | 0.61                                       | 0.63    | <0.5          | <0.5          | 13           | <17                                 | 4,000  | <17    | <17  | <17   | --      | --                     | --       | --      |      |
|            | 10/29/07       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS   | NS    | NS      | NS                     | NS       | NS      |      |

**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID     | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |        | Aromatic Volatile Organic Compounds (µg/L) |         |               |               |              | Oxygenated Volatile Organics (µg/L) |        |       |       |       |         | Lead Scavengers (µg/L) |       |         |      |
|-------------|----------------|--|-------------------------------------|--------|--|---------|---------------|---------------|--------------|-------------------------------------|--------|-------|-------|-------|---------|------------------------|-------|---------|------|
|             |                |  | Gasoline                            | Diesel | Benzene                                    | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | TAME                                | TBA    | DIPE  | ETBE  | MTBE  | Ethanol | Methanol               | EDB   | 1,2-DCA |      |
| MW-7B cont. | 2/1/08         | 431.55                                 | 420                                 | <50    | 0.77                                       | 17      | <0.5          | 0.97          | 45           | <25                                 | 4,000  | <25   | <25   | 49    | <2,500  | <25,000                | <25   | <25     |      |
|             | 4/18/08        | 436.87                                 | 650                                 | 100    | 3.4  | 15      | 8.3           | <0.5          | 150          | <25                                 | 3,800  | <25   | <25   | 140   | <2,500  | <25,000                | <25   | <25     |      |
|             | 7/28/08        | 420.47                                 | <50                                 | <50    | <0.5                                       | 0.56    | <0.5          | <0.5          | 17           | <5.0                                | 760    | <5.0  | <5.0  | 22    | <500    | <5,000                 | <5.0  | <5.0    |      |
|             | 11/18/08       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS    | NS    | NS    | NS      | NS                     | NS    | NS      |      |
|             | 2/4/09         | 418.74                                 | 620                                 | --     | <0.5                                       | 23      | <0.5          | 2.7           | <5.0         | --                                  | --     | --    | --    | --    | --      | --                     | --    | --      |      |
|             | 4/21/09        | 428.56                                 | 170                                 | --     | 2.1  | 5.8     | <0.5          | 0.78          | 190          | --                                  | --     | --    | --    | --    | --      | --                     | --    | --      |      |
|             | 9/24/09        | 426.13                                 | <50                                 | --     | <0.5                                       | 1.8     | <0.5          | <0.5          | 210          | <5.0                                | 470    | <5.0  | <5.0  | 220   | <500    | <5,000                 | <5.0  | <5.0    |      |
|             | 3/4/10         | 436.76                                 | 140                                 | --     | <0.5                                       | 2.1     | <0.5          | <0.5          | 25           | --                                  | --     | --    | --    | --    | --      | --                     | --    | --      |      |
|             | 7/19/10        | 440.34                                 | 74                                  | --     | <0.5                                       | 1.3     | <0.5          | <0.5          | <5.0         | --                                  | --     | --    | --    | --    | --      | --                     | --    | --      |      |
|             | 1/20/11        | 441.24                                 | 190                                 | 69     | <0.5                                       | 4.1     | <0.5          | <0.5          | <5.0         | <25.0                               | 4,400  | <25.0 | <25.0 | <25.0 | --      | --                     | <25.0 | <25.0   |      |
|             | 4/11/11        | 443.61                                 | 110                                 | <50    | <0.5                                       | 2.7     | <0.5          | <0.5          | <5.0         | <17                                 | 2,900  | <17   | <17   | <17   | --      | --                     | <17   | <17     |      |
|             | 4/18/11        | 445.64                                 | 160                                 | <50    | <0.5                                       | 4.3     | <0.5          | 0.6           | <5.0         | <17                                 | 3,300  | <17   | <17   | <17   | --      | --                     | <17   | <17     |      |
|             | 5/9/11         | 444.99                                 | 79                                  | <50    | <0.5                                       | 2.0     | <0.5          | <0.5          | <5.0         | <17                                 | 3,000  | <17   | <17   | <17   | --      | --                     | <17   | <17     |      |
|             | 6/1/11         | 444.14                                 | 72                                  | <50    | <0.5                                       | 1.9     | <0.5          | <0.5          | <5.0         | <50                                 | 3,100  | <50   | <50   | <50   | --      | --                     | <50   | <50     |      |
|             | 6/15/11        | 443.94                                 | 100                                 | <50    | <0.5                                       | 2.2     | <0.5          | <0.5          | <5.0         | <50                                 | 2,700  | <50   | <50   | <50   | --      | --                     | <50   | <50     |      |
|             | 6/30/11        | 443.74                                 | 100                                 | <50    | <0.5                                       | 2.4     | <0.5          | <0.5          | <5.0         | <25                                 | 2,900  | <25   | <25   | <25   | --      | --                     | <25   | <25     |      |
| 9/19/11     | 441.29         | <50                                    | 56                                  | <0.5   | 1.1  | <0.5    | <0.5          | <5.0          | <17          | 3,300                               | <17    | <17   | <17   | --    | --      | <17                    | <17   |         |      |
| 11/8/11     | 465.39         | 98                                     | <50                                 | <0.5   | 2.6  | <0.5    | <0.5          | <5.0          | <12          | 1,600                               | <12    | <12   | <12   | --    | --      | <12                    | <12   |         |      |
| 2/2/12      | 431.48         | 74                                     | <50                                 | <0.5   | 1.8  | <0.5    | <0.5          | <5.0          | <12          | 1,800                               | <12    | <12   | <12   | --    | --      | <12                    | <12   |         |      |
| MW-7C       | 3/13/06        | 445.34                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5  | <0.5  | 0.60  | <50     | <500                   | <0.5  | <0.5    |      |
|             | 4/7/06         | 448.21                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5  | <0.5  | <0.5  | <50     | <500                   | <0.5  | <0.5    |      |
|             | 7/28/06        | 441.24                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5  | <0.5  | <0.5  | --      | --                     | --    | --      |      |
|             | 10/13/06       | 440.65                                 | 89                                  | <50    | <0.5                                       | 1.4     | <0.5          | <0.5          | 900          | <17                                 | 12,000 | <17   | <17   | 820   | <1700   | <17,000                | --    | --      |      |
|             | ***            | 11/21/06                               | NM                                  | <50    | --   | <0.5    | <0.5          | <0.5          | <0.5         | <5.0                                | <0.5   | 24    | <0.5  | <0.5  | <0.5    | <50                    | <500  | <0.5    | <0.5 |
|             | 1/4/07         | 442.86                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 24     | <0.5  | <0.5  | <0.5  | <50     | <500                   | <0.5  | <0.5    |      |
|             | 4/16/07        | 440.66                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5  | <0.5  | <0.5  | <50     | <500                   | <0.5  | <0.5    |      |
|             | 7/17/07        | 428.69                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5  | <0.5  | <0.5  | --      | --                     | --    | --      |      |
|             | 10/29/07       | 417.14                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <5.0   | <0.5  | <0.5  | <0.5  | <50     | <500                   | <0.5  | <0.5    |      |
|             | 2/1/08         | 431.39                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5  | <0.5  | <0.5  | <50     | <500                   | <0.5  | <0.5    |      |
|             | 4/18/08        | 436.64                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5  | <0.5  | <0.5  | <50     | <500                   | <0.5  | <0.5    |      |
|             | 7/28/08        | 420.39                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5  | <0.5  | <0.5  | <50     | <500                   | <0.5  | <0.5    |      |
|             | 11/18/08       | 415.77                                 | 97                                  | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <90          | <1.0                                | <4.0   | <1.0  | <1.0  | <1.0  | <100    | <1,000                 | <1.0  | <1.0    |      |
|             | 2/4/09         | 417.50                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --    | --    | --    | --      | --                     | --    | --      |      |
|             | 4/22/09        | 428.41                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --    | --    | --    | --      | --                     | --    | --      |      |
|             | 9/24/09        | 425.90                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5  | <0.5  | <0.5  | <50     | <500                   | <0.5  | <0.5    |      |
| 3/4/10      | 438.73         | <50                                    | --                                  | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | --           | --                                  | --     | --    | --    | --    | --      | --                     | --    |         |      |
| 7/19/10     | 440.01         | <50                                    | --                                  | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | --           | --                                  | --     | --    | --    | --    | --      | --                     | --    |         |      |
| 1/20/11     | 440.89         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | --           | --                                  | --     | --    | --    | --    | --      | --                     | --    |         |      |
| 4/7/11      | 445.51         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | --           | --                                  | --     | --    | --    | --    | --      | --                     | --    |         |      |
| 9/20/11     | 441.89         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5   | <0.5  | <0.5  | --    | --      | <0.5                   | <0.5  |         |      |
| 11/8/11     | 440.99         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5   | <0.5  | <0.5  | --    | --      | <0.5                   | <0.5  |         |      |
| 2/2/12      | 431.25         | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5   | <0.5  | <0.5  | --    | --      | <0.5                   | <0.5  |         |      |
| MW-8A       | 7/28/08        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS    | NS    | NS    | NS      | NS                     | NS    | NS      |      |
|             | 11/18/08       | NC                                     | 67                                  | <50    | <0.5                                       | 2.6     | <0.5          | 1.6           | <5.0         | <0.5                                | <2.0   | <0.5  | <0.5  | 4.9   | <50     | <500                   | <0.5  | <0.5    |      |
|             | 2/4/09         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS    | NS    | NS    | NS      | NS                     | NS    | NS      |      |
|             | 4/21/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS    | NS    | NS    | NS      | NS                     | NS    | NS      |      |
|             | 9/24/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS    | NS    | NS    | NS      | NS                     | NS    | NS      |      |
|             | 3/4/10         | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --    | --    | --    | --      | --                     | --    | --      |      |
|             | 7/20/10        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --    | --    | --    | --      | --                     | --    | --      |      |

**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID     | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |        | Aromatic Volatile Organic Compounds (µg/L) |         |               |               |              | Oxygenated Volatile Organics (µg/L) |       |      |      |      |         | Lead Scavengers (µg/L) |      |         |
|-------------|----------------|--|-------------------------------------|--------|--|---------|---------------|---------------|--------------|-------------------------------------|-------|------|------|------|---------|------------------------|------|---------|
|             |                |  | Gasoline                            | Diesel | Benzene                                    | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | TAME                                | TBA   | DIPE | ETBE | MTBE | Ethanol | Methanol               | EDB  | 1,2-DCA |
| MW-8A cont. | 1/20/11        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 4/7/11         | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 9/19/11        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | 5.3          | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 11/7/11        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 2/2/12         | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | 9.7          | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
| MW-8B       | 7/28/08        | NC                                     | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0  | <0.5 | <0.5 | 2.5  | <50     | <500                   | <0.5 | <0.5    |
|             | 11/18/08       | NC                                     | <50                                 | 120    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0  | <0.5 | <0.5 | 5.1  | <50     | <500                   | <0.5 | <0.5    |
|             | 2/4/09         | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 4/22/09        | NC                                     | 50                                  | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | 1300         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 9/24/09        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0  | <0.5 | <0.5 | <0.5 | <50     | <500                   | <0.5 | <0.5    |
|             | 3/4/10         | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 7/20/10        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 1/20/11        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 4/7/11         | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 9/19/11        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 11/7/11        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 2/2/12         | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | MW-9A          | 7/28/08                                | NC                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS    | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
| 11/18/08    |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS    | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
| 2/4/09      |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS    | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
| 4/21/09     |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS    | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
| 9/24/09     |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS    | NS   | NS   | NS   | NS      | NS                     | NS   | NS      |
| 3/4/10      |                | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
| 7/20/10     |                | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
| 1/20/11     |                | NC                                     | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 74    | <0.5 | <0.5 | 1.1  | <50     | <500                   | <0.5 | <0.5    |
| 4/7/11      |                | NC                                     | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 65    | <0.5 | <0.5 | 0.74 | --      | --                     | <0.5 | <0.5    |
| 9/19/11     |                | NC                                     | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 120   | <0.5 | <0.5 | 1.6  | --      | --                     | <0.5 | <0.5    |
| 11/7/11     |                | NC                                     | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 2.9   | <0.5 | <0.5 | <0.5 | --      | --                     | <0.5 | <0.5    |
| 2/1/12      |                | NC                                     | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <1.0                                | 200   | <1.0 | <1.0 | 1.2  | --      | --                     | <1.0 | <1.0    |
| MW-9B       | 7/29/08        | NC                                     | <50                                 | 63     | <0.5                                       | <0.5    | <0.5          | <0.5          | 100          | <10                                 | 2,800 | <10  | <10  | 160  | <1,000  | <10,000                | <10  | <10     |
|             | 11/18/08       | NC                                     | <50                                 | 1000   | <0.5                                       | <0.5    | <0.5          | <0.5          | 7.0          | <0.5                                | 4.6   | <0.5 | <0.5 | 7.5  | <50     | <500                   | <0.5 | <0.5    |
|             | 2/4/09         | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 4/22/09        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | 470          | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 9/24/09        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | 5.4          | <0.5                                | <2.0  | <0.5 | <0.5 | 7.2  | <50     | <500                   | <0.5 | <0.5    |
|             | 3/4/10         | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 7/20/10        | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 1/20/11        | NC                                     | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 8.9   | <0.5 | <0.5 | 0.65 | <50     | <500                   | <0.5 | <0.5    |
|             | 4/7/11         | NC                                     | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 22    | <0.5 | <0.5 | 1.2  | --      | --                     | <0.5 | <0.5    |
|             | 9/19/11        | NC                                     | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0  | <0.5 | <0.5 | 1.2  | --      | --                     | <0.5 | <0.5    |
| 11/7/11     | NC             | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | <2.0                                | <0.5  | <0.5 | 1.7  | --   | --      | <0.5                   | <0.5 |         |
| 2/1/12      | NC             | <50                                    | <50                                 | <0.5   | <0.5                                       | <0.5    | <0.5          | <5.0          | <0.5         | 89                                  | <0.5  | <0.5 | 3.3  | --   | --      | <0.5                   | <0.5 |         |
| EX-1**      | 11/14/01       | 431.89                                 | 13,000                              | 2,000  | 180  | 1,000   | 330           | 3,200         | 2,200        | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 5/7/02         | 437.72                                 | 7,700                               | 560    | 320  | <25     | 66            | 150           | 6,200        | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 9/11/02        | NC                                     | 2,800                               | --     | 32   | <13     | 14            | <13           | 2,500        | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 12/1/02        | 437.32                                 | 3,000                               | 100    | 81   | <0.5    | 44            | <1.0          | 4,800        | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 3/14/03        | 442.28                                 | 750                                 | 50     | <0.5                                       | <0.5    | 7.7           | 13            | 1,200        | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 6/25/03        | 442.89                                 | 120                                 | <50    | 3.2  | 3.7     | 4.2           | 7.6           | 260          | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |
|             | 9/16/03        | 440.65                                 | 170                                 | <50    | 0.5  | 1.5     | <0.5          | 0.9           | 1,600        | --                                  | --    | --   | --   | --   | --      | --                     | --   | --      |

**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID         | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |        | Aromatic Volatile Organic Compounds (µg/L) |         |               |               |              | Oxygenated Volatile Organics (µg/L) |        |      |      |        |          | Lead Scavengers (µg/L) |         |         |     |
|-----------------|----------------|--|-------------------------------------|--------|--|---------|---------------|---------------|--------------|-------------------------------------|--------|------|------|--------|----------|------------------------|---------|---------|-----|
|                 |                |  | Gasoline                            | Diesel | Benzene                                    | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | TAME                                | TBA    | DIPE | ETBE | MTBE   | Ethanol  | Methanol               | EDB     | 1,2-DCA |     |
| EX-1**<br>cont. | 3/10/04        | 447.31                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | --                                  | --     | --   | --   | --     | --       | --                     | --      | --      |     |
|                 | 6/15/04        | 442.82                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | --                                  | --     | --   | --   | --     | --       | --                     | --      | --      |     |
|                 | 9/17/04        | 439.39                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | --                                  | --     | --   | --   | --     | --       | --                     | --      | --      |     |
|                 | 12/10/04       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | --                                  | --     | --   | --   | --     | --       | --                     | --      | --      |     |
|                 | 3/2/05         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | --                                  | --     | --   | --   | --     | --       | --                     | --      | --      |     |
|                 | 5/27/05        | 446.62                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | --                                  | --     | --   | --   | --     | --       | --                     | --      | --      |     |
|                 | 7/21/05        | 443.75                                 | <50                                 | NS     | <0.5                                       | <0.5    | <0.5          | <0.5          | 610          | --                                  | --     | --   | --   | --     | --       | --                     | --      | --      |     |
|                 | 10/10/05       | 442.57                                 | <50                                 | NS     | <0.5                                       | <0.5    | <0.5          | <0.5          | 31           | --                                  | --     | --   | --   | --     | --       | --                     | --      | --      |     |
|                 | 1/9/06         | 447.25                                 | 580                                 | 55     | 40   | 25      | 45            | 43            | 4,200        | <170                                | <1,700 | <170 | <170 | 5,200  | <170,000 | <17,000                | <170    | <170    |     |
|                 | EW-1           | 3/13/06                                | 446.47                              | 210    | 120  | 5.0     | 4.1           | 7.5           | 12           | 3,400                               | <50    | <100 | <50  | <50    | 2,300    | <5,000                 | <50,000 | <50     | <50 |
| 4/7/06          |                | 449.46                                 | 1,900                               | 190    | 66   | 170     | 110           | 380           | 7,900        | <100                                | <1000  | <100 | <100 | 6,400  | <10,000  | <100,000               | <100    | <100    |     |
| 7/27/06         |                | 441.60                                 | 280                                 | 100    | 7.4  | 5.5     | 12            | 28            | 8,400        | <500                                | <5,000 | <500 | <500 | 12,000 | --       | --                     | --      | --      |     |
| 10/12/06        |                | 441.94                                 | 2,100                               | 130    | 86   | 19      | 100           | 310           | 2,400        | <50                                 | 1,400  | <50  | <50  | 2,800  | <5,000   | 180,000                | --      | --      |     |
| 1/4/07          |                | 444.00                                 | 1,600                               | 150    | 56   | 27      | 110           | 240           | 5,000        | <50                                 | 2,900  | <50  | <50  | 4,900  | <5,000   | <50,000                | <50     | <50     |     |
| 4/13/07         |                | 441.76                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      | NS  |
| 7/16/07         |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      | NS  |
| 10/29/07        |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      | NS  |
| 2/1/08          |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      | NS  |
| 4/18/08         |                | 437.62                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      | NS  |
| 7/28/08         |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      | NS  |
| 11/18/08        |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      | NS  |
| 2/4/09          |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      | NS  |
| 4/21/09         |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      | NS  |
| 9/24/09         |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      | NS  |
| 3/4/10          |                | NC                                     | 4,400                               | --     | 460  | <25     | 380           | <25           | 31,000       | --                                  | --     | --   | --   | --     | --       | --                     | --      | --      | --  |
| 7/20/10         |                | 441.10                                 | 400                                 | --     | 4.4  | 6.6     | 1.8           | 4.4           | 590          | --                                  | --     | --   | --   | --     | --       | --                     | --      | --      | --  |
| 1/20/11         |                | 441.87                                 | 570                                 | 190    | 21   | 6.4     | 14            | 57            | 3,500        | <50                                 | 15,000 | <50  | <50  | 3,300  | --       | --                     | <50     | <50     |     |
| 4/8/11          |                | 446.60                                 | 410                                 | 220    | 11   | 4.2     | 3.1           | 43            | 2,400        | <50                                 | 8,200  | <50  | <50  | 3,300  | --       | --                     | <50     | <50     |     |
| 4/18/11         |                | 445.75                                 | 200                                 | 130    | <0.5                                       | 1.7     | 1.1           | 3.0           | 4,400        | <50                                 | 14,000 | <50  | <50  | 3,600  | --       | --                     | <50     | <50     |     |
| 5/9/11          | 445.76         | 62                                     | <50                                 | 1.2    | 1.4  | <0.5    | <0.5          | 520           | <25          | 4,800                               | <25    | <25  | 390  | --     | --       | <25                    | <25     |         |     |
| 6/2/11          | 444.93         | 83                                     | <50                                 | 1.3    | 2.1  | <0.5    | 0.6           | 180           | <100         | 9,600                               | <100   | <100 | 240  | --     | --       | <100                   | <100    |         |     |
| 6/15/11         | 444.34         | 60                                     | <50                                 | <0.5   | 1.8  | <0.5    | <0.5          | 97            | <100         | 6,300                               | <100   | <100 | 100  | --     | --       | <100                   | <100    |         |     |
| 6/30/11         | 444.04         | 74                                     | <50                                 | <0.5   | 2.0  | <0.5    | <0.5          | 200           | <50          | 5,700                               | <50    | <50  | 200  | --     | --       | <50                    | <50     |         |     |
| 9/20/11         | 443.10         | 63                                     | 52                                  | <0.5   | 2.1  | <0.5    | <0.5          | 210           | <50          | 11,000                              | <50    | <50  | 190  | --     | --       | <50                    | <50     |         |     |
| 11/8/11         | 442.10         | 78                                     | <50                                 | <0.5   | 1.8  | <0.5    | <0.5          | 76            | <50          | 7,600                               | <50    | <50  | 97   | --     | --       | <50                    | <50     |         |     |
| 2/2/12          | 432.07         | 59                                     | 57                                  | <0.5   | 1.1  | <0.5    | <0.5          | 270           | <500         | 50,000                              | <500   | <500 | <500 | --     | --       | <500                   | <500    |         |     |
| EW-2            | 3/13/06        | 446.81                                 | <250                                | 69     | <2.5                                       | <2.5    | <2.5          | <2.5          | 5,400        | <100                                | <1,000 | <100 | <100 | 5,100  | <10,000  | <100,000               | <100    | <100    |     |
|                 | 4/7/06         | 449.79                                 | 470                                 | 160    | 15   | 2.5     | 24            | 13            | 2,000        | <50                                 | <500   | <50  | <50  | 1,800  | <5,000   | <50,000                | <50     | <50     |     |
|                 | 7/27/06        | 442.89                                 | 260                                 | 350    | 2.2  | 1.7     | 6.1           | 3.0           | 8,700        | <500                                | <5,000 | <500 | <500 | 12,000 | --       | --                     | --      | --      |     |
|                 | 10/12/06       | 444.51                                 | 110                                 | <50    | 2.0  | 1.0     | 3.1           | 3.9           | 620          | <12                                 | <120   | <12  | <12  | 680    | <1,200   | <12,000                | --      | --      |     |
|                 | 1/4/07         | 444.33                                 | <500                                | <50    | 5.3  | <5.0    | 16            | 7.1           | 4,500        | <50                                 | <500   | <50  | <50  | 4,200  | <5,000   | <50,000                | <50     | <50     |     |
|                 | 4/13/07        | 442.06                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      |     |
|                 | 7/16/07        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      |     |
|                 | 10/29/07       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      |     |
|                 | 2/1/08         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      |     |
|                 | 4/18/08        | 437.95                                 | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      |     |
|                 | 7/28/08        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      |     |
|                 | 11/18/08       | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      |     |
|                 | 2/4/09         | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      |     |
|                 | 4/21/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      |     |
|                 | 9/24/09        | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS   | NS   | NS     | NS       | NS                     | NS      | NS      |     |

**Table 2**  
**Groundwater Analytical Results**  
 160 Holmes Street, Livermore, California

| Well ID    | Date Collected | Groundwater Elevation (feet above MSL) | Total Petroleum Hydrocarbons (µg/L) |        | Aromatic Volatile Organic Compounds (µg/L) |         |               |               |              | Oxygenated Volatile Organics (µg/L) |        |        |        |         |         | Lead Scavengers (µg/L) |        |         |
|------------|----------------|--|-------------------------------------|--------|--|---------|---------------|---------------|--------------|-------------------------------------|--------|--------|--------|---------|---------|------------------------|--------|---------|
|            |                |  | Gasoline                            | Diesel | Benzene                                    | Toluene | Ethyl-benzene | Total Xylenes | MTBE (8021B) | TAME                                | TBA    | DIPE   | ETBE   | MTBE    | Ethanol | Methanol               | EDB    | 1,2-DCA |
| EW-2 cont. | 3/4/10         | NC                                     | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --     | --      | --      | --                     | --     | --      |
|            | 7/20/10        | 441.54                                 | <50                                 | --     | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | --                                  | --     | --     | --     | --      | --      | --                     | --     | --      |
|            | 1/21/11        | 442.27                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 2.8    | <0.5   | <0.5   | 2.1     | --      | --                     | <0.5   | <0.5    |
|            | 4/11/11        | 446.99                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 2.1    | <0.5   | <0.5   | 0.65    | --      | --                     | <0.5   | <0.5    |
|            | 4/18/11        | 446.80                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5   | <0.5   | 0.7     | --      | --                     | <0.5   | <0.5    |
|            | 5/9/11         | 446.32                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | 15           | <0.5                                | 2.8    | <0.5   | <0.5   | 12      | --      | --                     | <0.5   | <0.5    |
|            | 6/2/11         | 445.28                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | 12     | <0.5   | <0.5   | 6.2     | --      | --                     | <0.5   | <0.5    |
|            | 6/15/11        | 444.99                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5   | <0.5   | 2.3     | --      | --                     | <0.5   | <0.5    |
|            | 6/30/11        | 444.68                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5   | <0.5   | 2.4     | --      | --                     | <0.5   | <0.5    |
|            | 9/20/11        | 441.44                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5   | <0.5   | 1.3     | --      | --                     | <0.5   | <0.5    |
|            | 11/8/11        | 442.39                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <0.5                                | <2.0   | <0.5   | <0.5   | 1.0     | --      | --                     | <0.5   | <0.5    |
|            | 2/2/12         | 432.33                                 | <50                                 | <50    | <0.5                                       | <0.5    | <0.5          | <0.5          | <5.0         | <5.0                                | 490    | <5.0   | <5.0   | <5.0    | --      | --                     | <5.0   | <5.0    |
|            | EW-3 (a)       | 11/18/08                               | NC                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS     | NS      | NS      | NS                     | NS     | NS      |
| 2/4/09     |                | NC                                     | <10,000                             | --     | <100                                       | <100    | <100          | <100          | 420,000      | --                                  | --     | --     | --     | --      | --      | --                     | --     | --      |
| 4/21/09    |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS     | NS      | NS      | NS                     | NS     | NS      |
| 9/24/09    |                | NC                                     | NS                                  | NS     | NS   | NS      | NS            | NS            | NS           | NS                                  | NS     | NS     | NS     | NS      | NS      | NS                     | NS     | NS      |
| 3/4/10     |                | NC                                     | 140,000                             | --     | 240  | 900     | 320           | 28,000        | 340,000      | --                                  | --     | --     | --     | --      | --      | --                     | --     | --      |
| 7/20/10    |                | NC                                     | 23,000                              | --     | 240  | 940     | 760           | 3,100         | 150,000      | --                                  | --     | --     | --     | --      | --      | --                     | --     | --      |
| 1/21/11    |                | NC                                     | 15,000                              | 5,200  | 230  | 93      | 1,100         | 1,900         | 150,000      | <2,500                              | 72,000 | <2,500 | <2,500 | 150,000 | --      | --                     | <2,500 | <2,500  |
| 4/11/11    |                | NC                                     | 8,400                               | 590    | 110  | 37      | 690           | 820           | 68,000       | <2,500                              | 67,000 | <2,500 | <2,500 | 79,000  | --      | --                     | <2,500 | <2,500  |
| 4/18/11    |                | NC                                     | 7,300                               | 1,300  | 81   | 100     | 350           | 870           | 85,000       | <1,700                              | 50,000 | <1,700 | <1,700 | 72,000  | --      | --                     | <1,700 | <1,700  |
| 5/9/11     |                | NC                                     | 5,400                               | 2,200  | 56   | <50     | 160           | 350           | 79,000       | <1,000                              | 40,000 | <1,000 | <1,000 | 62,000  | --      | --                     | <1,000 | <1,000  |
| 6/1/11     |                | NC                                     | 4,800                               | 3,700  | 53   | <25     | 170           | 300           | 50,000       | <1,000                              | 43,000 | <1,000 | <1,000 | 76,000  | --      | --                     | <1,000 | <1,000  |
| 6/15/11    |                | NC                                     | 8,200                               | 2,200  | 66   | <50     | 270           | 360           | 93,000       | <2,500                              | 47,000 | <2,500 | <2,500 | 85,000  | --      | --                     | <2,500 | <2,500  |
| 6/30/11    |                | NC                                     | 8,000                               | 1,900  | 64   | <50     | 260           | 260           | 100,000      | <2,500                              | 51,000 | <2,500 | <2,500 | 100,000 | --      | --                     | <2,500 | <2,500  |
| 9/20/11    | NC             | <5,000"                                | 1,700                               | <50"   | 64   | 74      | 100           | 80,000        | <2,500       | 91,000                              | <2,500 | <2,500 | 78,000 | --      | --      | <2,500                 | <2,500 |         |
| 11/8/11    | NC             | <6,000"                                | 860                                 | <50"   | <50  | 60      | 130           | 82,000        | <2,500       | 49,000                              | <2,500 | <2,500 | 67,000 | --      | --      | <2,500                 | <2,500 |         |
| 2/2/12     | NC             | 1,600                                  | 510                                 | <5.0   | 13   | 10      | 35            | 24,000        | <500         | 62,000                              | <500   | <500   | 26,000 | --      | --      | <500                   | <500   |         |

**Notes:**

Samples analyzed for TPHg and TPHd by EPA Method 8015Bm, BTEX by EPA Method 8021B, MTBE by EPA Method 8021B and/or 8260B, and the fuel oxygenates TBA, DIPE, ETBE, TAME, EDB, 1,2-DCA, ethanol, and methanol by EPA Method 8260.

µg/L = micrograms per liter

NS = Not Sampled

-- = Not analyzed

EDB = 1,2-Dibromoether

1,2-DCA = 1,2-Dichloroethane

MTBE = Methyl tertiary butyl ether

DIPE =Di-isoprpopyl Ether

ETBE = Ethyl tert-Butyl Ether

TAME - tert-Amyl Methyl Ether

TBA = tert-Butanol

" = High concentrations of MTBE resulted in high reporting limits, both TPHg and benzene were estimated just below the listed reporting limits by laboratory

\* = Well MW-1 renamed MW-1A, well MW-2 renamed MW-2A, Well MW-3 renamed MW-3A in February 2006

\*\* = Well destroyed in February 2006

\*\*\* = Anomalous data observed in MW-7C from October 12, 2006 sample. Therefore, wells MW-7A, MW-7B, and MW-7C were resampled on November 21, 2006.

(a) = Well EW-3 is 35 feet deep with a screen interval from 25 to 30 feet bgs.

**APPENDIX A**  
**Groundwater Monitoring Field Protocol**

## **Appendix A**

### Groundwater Monitoring Protocol

#### Well Monitoring and Sample Collection

A Teflon bailer or submersible pump was used to purge a minimum of three well volumes of groundwater from each well. After each well volume is purged, field parameters such as pH, temperature, and conductivity are recorded. Wells are purged until field parameters have stabilized or a maximum of ten (10) well volumes of groundwater have been removed. When possible, purge rates will not exceed the recharge rate for the well. However, if the well yield is low and the well was dewatered, the well is allowed to recharge to 80% of its original volume prior to sample collection. Field parameter measurements and pertinent qualitative observations, such as groundwater color and odor, are recorded in Groundwater Sampling Field Logs. Groundwater samples are collected in appropriate bottles and stored on ice for delivery, under chain-of-custody documentation, to a state-certified laboratory for analysis.

#### Equipment Decontamination

All drilling, sampling, and well development equipment was cleaned in a solution of laboratory grade detergent and distilled water or steam cleaned before use at each sampling point.

#### Field Personnel

During groundwater sampling activities, sampling personnel will wear pertinent attire to minimize risks to health and safety. Field personnel will also use a pair of clean, powderless, surgical gloves for each successive sampling point. Used surgical gloves will be placed into waste barrels for future disposal.

#### Waste Disposal

Water generated during well purging and sampling activities will be placed into DOT-approved 55-gallon waste drums. Waste drums will be temporarily stored on-site pending proper disposal of wastewater to an approved transport, storage, and disposal (TSD) facility.

**APPENDIX B**  
**Groundwater Sampling Field Logs**



## Groundwater Sampling Field Log

|                                    |  |
|------------------------------------|--|
| Site Address <u>160 Holmes</u>     | Date <u>2/1/12</u>                             |
| Project Number                     | Field Personnel <u>AP/JL</u>                   |
| <b>Monitoring Well Information</b> |  |
| Monitoring Well ID <u>MW-9A</u>    | Monitoring Well Diameter (inches) <u>2"</u>    |
| Depth to Water (feet) <u>33.10</u> | Water Column (feet) <u>17.9 (0.17) = 3.043</u> |
| Total Depth (feet) <u>51.00</u>    | 80% Recharge Depth (feet)                      |
| Depth to Product (feet)            | 1 Well Volume (gallons)                        |
| Comments                           |  |

### Field Measurements and Observations

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|------|-----------|-------|------|
| —    | —              | 3.04         | 553          | 19.2        | 7.76 | low       | Brown | None |
|      |                | 6.08         | 564          | 19.2        | 7.71 | low       | ↓     | ↓    |
|      |                | 9.13         | 571          | 18.9        | 7.69 | medium    | ↓     | ↓    |

|                    |          |
|--------------------|----------|
| Total Purge Volume | Comments |
|--------------------|----------|

### Groundwater Sampling Information

|  |                  |
|--|------------------|
| Sample ID <u>MW-9A</u>                         | Sample Time      |
| Sample Containers (Number/Type) <u>(5) VOA</u> | <u>(1) Amber</u> |
| Comments                                       |                  |

## Groundwater Sampling Field Log

|                                    |   |
|------------------------------------|---|
| Site Address <u>160 Holmes</u>     | Date <u>2/1/12</u>                              |
| Project Number                     | Field Personnel <u>AP/JL</u>                    |
| <b>Monitoring Well Information</b> |   |
| Monitoring Well ID <u>MW-9B</u>    | Monitoring Well Diameter (inches) <u>2"</u>     |
| Depth to Water (feet) <u>33.13</u> | Water Column (feet) <u>6.37 (0.17) = 1.0329</u> |
| Total Depth (feet) <u>39.50</u>    | 80% Recharge Depth (feet)                       |
| Depth to Product (feet)            | 1 Well Volume (gallons)                         |
| Comments                           |   |

### Field Measurements and Observations

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|------|-----------|-------|------|
| —    | —              | 1.08         | 72.5         | 18.8        | 7.90 | medium    | 521   | None |
|      |                | 2.16         | 731          | 18.7        | 7.83 | ↓         | ↓     | ↓    |
|      |                | 3.25         | 735          | 18.8        | 7.71 | ↓         | ↓     | ↓    |

|                    |          |
|--------------------|----------|
| Total Purge Volume | Comments |
|--------------------|----------|

### Groundwater Sampling Information

|  |                  |
|--|------------------|
| Sample ID <u>MW-9B</u>                         | Sample Time      |
| Sample Containers (Number/Type) <u>(5) VOA</u> | <u>(1) Amber</u> |
| Comments                                       |                  |

## Groundwater Sampling Field Log

| Site Address <u>160 Holmes</u>     | Date <u>2/2/12</u>                          |
|------------------------------------|---|
| Project Number                     | Field Personnel <u>AP/JL</u>                |
| Monitoring Well Information        |   |
| Monitoring Well ID <u>MW-8A</u>    | Monitoring Well Diameter (inches) <u>2"</u> |
| Depth to Water (feet) <u>33.99</u> | Water Column (feet) <u>1.51 (.17) = .26</u> |
| Total Depth (feet) <u>35.50</u>    | 80% Recharge Depth (feet)                   |
| Depth to Product (feet)            | 1 Well Volume (gallons)                     |
| Comments                           |   |

### Field Measurements and Observations

| Time               | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color | Odor |
|--------------------|----------------|--------------|--------------|-------------|------|-----------|-------|------|
| —                  | —              | .26          | 761          | 17.2        | 8.41 | VERY HIGH | Brown | None |
|                    |                | .51          | 737          | 17.2        | 8.20 | VERY HIGH |       |      |
|                    |                | .78          | 732          | 17.5        | 7.99 | VERY HIGH |       |      |
| Total Purge Volume |                |              |              | Comments    |      |           |       |      |

### Groundwater Sampling Information

|  |                          |
|--|--------------------------|
| Sample ID <u>MW-8A</u>                         | Sample Time <u>11:00</u> |
| Sample Containers (Number/Type) <u>(4) VOA</u> |                          |
| Comments                                       |                          |

## Groundwater Sampling Field Log

| Site Address <u>160 Holmes</u>     | Date <u>2/2/12</u>                           |
|------------------------------------|--|
| Project Number                     | Field Personnel <u>AP/JL</u>                 |
| Monitoring Well Information        |  |
| Monitoring Well ID <u>MW-8B</u>    | Monitoring Well Diameter (inches) <u>2"</u>  |
| Depth to Water (feet) <u>33.73</u> | Water Column (feet) <u>16.77 (.17) = 2.9</u> |
| Total Depth (feet) <u>50.5</u>     | 80% Recharge Depth (feet)                    |
| Depth to Product (feet)            | 1 Well Volume (gallons)                      |
| Comments                           |  |

### Field Measurements and Observations

| Time               | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color      | Odor |
|--------------------|----------------|--------------|--------------|-------------|------|-----------|------------|------|
| —                  | —              | 2.9          | 557          | 18.7        | 8.09 | low       | light blue | None |
|                    |                | 5.7          | 556          | 18.8        | 7.97 |           |            |      |
|                    |                | 8.6          | 558          | 19.0        | 7.88 |           |            |      |
| Total Purge Volume |                |              |              | Comments    |      |           |            |      |

### Groundwater Sampling Information

|  |                          |
|--|--------------------------|
| Sample ID <u>MW-8B</u>                         | Sample Time <u>11:00</u> |
| Sample Containers (Number/Type) <u>(4) VOA</u> |                          |
| Comments                                       |                          |

**Groundwater Sampling Field Log**

|                                    |   |
|------------------------------------|---|
| Site Address <u>160 Holmes</u>     | Date <u>2/1/12</u>                          |
| Project Number                     | Field Personnel <u>AP/TL</u>                |
| <b>Monitoring Well Information</b> |   |
| Monitoring Well ID <u>MW-7A</u>    | Monitoring Well Diameter (inches) <u>2"</u> |
| Depth to Water (feet) <u>DRY</u>   | Water Column (feet) <u>DRY</u>              |
| Total Depth (feet) <u>29.00</u>    | 80% Recharge Depth (feet)                   |
| Depth to Product (feet)            | 1 Well Volume (gallons)                     |
| Comments                           |   |

**Field Measurements and Observations**

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|----|-----------|-------|------|
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |

|                    |          |
|--------------------|----------|
| Total Purge Volume | Comments |
|--------------------|----------|

**Groundwater Sampling Information**

|  |                  |
|--|------------------|
| Sample ID                                      | Sample Time      |
| Sample Containers (Number/Type) <u>(5) VOA</u> | <u>(1) Amber</u> |
| Comments                                       |                  |

**Groundwater Sampling Field Log**

|                                    |  |
|------------------------------------|--|
| Site Address <u>160 Holmes</u>     | Date <u>2/2/12</u>                               |
| Project Number                     | Field Personnel <u>AP/JL</u>                     |
| <b>Monitoring Well Information</b> |  |
| Monitoring Well ID <u>MW-7B</u>    | Monitoring Well Diameter (inches) <u>2"</u>      |
| Depth to Water (feet) <u>33.11</u> | Water Column (feet) <u>14.59 - (0.17) = 2.48</u> |
| Total Depth (feet) <u>48.50</u>    | 80% Recharge Depth (feet)                        |
| Depth to Product (feet)            | 1 Well Volume (gallons)                          |
| Comments                           |  |

**Field Measurements and Observations**

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH          | Turbidity       | Color        | Odor        |
|------|----------------|--------------|--------------|-------------|-------------|-----------------|--------------|-------------|
| —    | —              | <u>2.48</u>  | <u>661</u>   | <u>20.2</u> | <u>8.22</u> | <u>very low</u> | <u>clear</u> | <u>none</u> |
|      |                | <u>4.96</u>  | <u>726</u>   | <u>19.7</u> | <u>8.03</u> | <u>1</u>        | <u>1</u>     | <u>1</u>    |
|      |                | <u>7.44</u>  | <u>704</u>   | <u>19.8</u> | <u>7.84</u> | <u>1</u>        | <u>1</u>     | <u>1</u>    |
|      |                |              |              |             |             |                 |              |             |
|      |                |              |              |             |             |                 |              |             |

|                    |          |
|--------------------|----------|
| Total Purge Volume | Comments |
|--------------------|----------|

**Groundwater Sampling Information**

|  |                  |
|--|------------------|
| Sample ID <u>MW-7B</u>                         | Sample Time      |
| Sample Containers (Number/Type) <u>(5) VOA</u> | <u>(1) Amber</u> |
| Comments                                       |                  |

## Groundwater Sampling Field Log

Site Address 160 Holmes Date 2-1-12  
 Project Number 160 Field Personnel AP/JL

### Monitoring Well Information

Monitoring Well ID MW-5B Monitoring Well Diameter (inches) 2"  
 Depth to Water (feet) 33.96 Water Column (feet) 18.48 (0.17) = 3.2 gal/min  
 Total Depth (feet) 52.64 80% Recharge Depth (feet)  
 Depth to Product (feet) 1 Well Volume (gallons)  
 Comments

### Field Measurements and Observations

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color      | Odor |
|------|----------------|--------------|--------------|-------------|------|-----------|------------|------|
| —    | —              | 3.2          | 430          | 13.7        | 8.58 | Very Low  | clear      | None |
|      |                | 6.4          | 517          | 13.4        | 8.48 | Low       | grey       |      |
|      |                | 9.5          | 520          | 13.7        | 8.25 | medium    | pink/white |      |

Total Purge Volume 9.5 Comments

### Groundwater Sampling Information

Sample ID MW-5A Sample Time  
 Sample Containers (Number/Type) (4) VOA  
 Comments

## Groundwater Sampling Field Log

Site Address \_\_\_\_\_ Date \_\_\_\_\_  
 Project Number \_\_\_\_\_ Field Personnel \_\_\_\_\_

### Monitoring Well Information

Monitoring Well ID MW-5B Monitoring Well Diameter (inches) 2"  
 Depth to Water (feet) 33.74 Water Column (feet) .26 (0.17) = .0442 gal/min  
 Total Depth (feet) 34.00 80% Recharge Depth (feet)  
 Depth to Product (feet) 1 Well Volume (gallons)  
 Comments

### Field Measurements and Observations

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|----|-----------|-------|------|
| —    | —              | .04          |              |             |    |           |       |      |
|      |                | .09          |              |             |    |           |       |      |
|      |                | .13          |              |             |    |           |       |      |

Total Purge Volume \_\_\_\_\_ Comments

### Groundwater Sampling Information

Sample ID MW-5B Sample Time  
 Sample Containers (Number/Type) (4) VOA  
 Comments No sample collected. Small amount of mud in well.

**Groundwater Sampling Field Log**

Site Address 160 Holmes Date 2/1/12

Project Number \_\_\_\_\_ Field Personnel AP/JL

**Monitoring Well Information**

Monitoring Well ID MW-6 Monitoring Well Diameter (inches) 2" (0.17)

Depth to Water (feet) \_\_\_\_\_ Water Column (feet) 13.57 (0.17) = 2.3

Total Depth (feet) 47.00 80% Recharge Depth (feet) \_\_\_\_\_

Depth to Product (feet) 53.43 1 Well Volume (gallons) \_\_\_\_\_

Comments \_\_\_\_\_

**Field Measurements and Observations**

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|------|-----------|-------|------|
| —    | —              | 2.3          | 697          | 18.2        | 8.29 | HIGH      | Brown | None |
|      |                | 4.6          | 697          | 17.3        | 7.95 |           |       |      |
|      |                | 6.9          | 716          | 18.5        | 7.88 |           |       |      |

Total Purge Volume \_\_\_\_\_ Comments \_\_\_\_\_

**Groundwater Sampling Information**

Sample ID MW-6 Sample Time \_\_\_\_\_

Sample Containers (Number/Type) (4) VOA

Comments \_\_\_\_\_

**Groundwater Sampling Field Log**

Site Address 160 Holmes Date 2/1/12

Project Number \_\_\_\_\_ Field Personnel AP/JL

**Monitoring Well Information**

Monitoring Well ID MW-4A Monitoring Well Diameter (inches) 2" (0.17)

Depth to Water (feet) \_\_\_\_\_ Water Column (feet) DRY

Total Depth (feet) 28.80 80% Recharge Depth (feet) \_\_\_\_\_

Depth to Product (feet) DRY 1 Well Volume (gallons) \_\_\_\_\_

Comments \_\_\_\_\_

**Field Measurements and Observations**

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|----|-----------|-------|------|
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |

Total Purge Volume \_\_\_\_\_ Comments \_\_\_\_\_

**Groundwater Sampling Information**

Sample ID \_\_\_\_\_ Sample Time \_\_\_\_\_

Sample Containers (Number/Type) (4) VOA

Comments \_\_\_\_\_

**Groundwater Sampling Field Log**

|                                    |            |                                   |        |
|------------------------------------|------------|-----------------------------------|--------|
| Site Address                       | 160 Holmes | Date                              | 2/1/12 |
| Project Number                     |            | Field Personnel                   | AP/JL  |
| <b>Monitoring Well Information</b> |            |                                   |        |
| Monitoring Well ID                 | MW-3A      | Monitoring Well Diameter (inches) | 2"     |
| Depth to Water (feet)              | DRY        | Water Column (feet)               | DRY    |
| Total Depth (feet)                 | 28.20      | 80% Recharge Depth (feet)         |        |
| Depth to Product (feet)            |            | 1 Well Volume (gallons)           |        |
| Comments                           |            |                                   |        |

**Field Measurements and Observations**

| Time               | Depth to Water | Purge Volume | Conductivity | Temperature | pH | Turbidity | Color | Odor |
|--------------------|----------------|--------------|--------------|-------------|----|-----------|-------|------|
|                    |                |              |              |             |    |           |       |      |
|                    |                |              |              |             |    |           |       |      |
|                    |                |              |              |             |    |           |       |      |
|                    |                |              |              |             |    |           |       |      |
| Total Purge Volume |                |              |              | Comments    |    |           |       |      |

**Groundwater Sampling Information**

|                                 |        |             |  |
|---------------------------------|--------|-------------|--|
| Sample ID                       |        | Sample Time |  |
| Sample Containers (Number/Type) | (4)VOA |             |  |
| Comments                        |        |             |  |

**Groundwater Sampling Field Log**

|                                    |            |                                   |        |
|------------------------------------|------------|-----------------------------------|--------|
| Site Address                       | 160 Holmes | Date                              | 2/2/12 |
| Project Number                     |            | Field Personnel                   | AP/JL  |
| <b>Monitoring Well Information</b> |            |                                   |        |
| Monitoring Well ID                 | EW-1       | Monitoring Well Diameter (inches) | 4"     |
| Depth to Water (feet)              | 33.35      | Water Column (feet)               | 5.62   |
| Total Depth (feet)                 | 39.00      | 80% Recharge Depth (feet)         |        |
| Depth to Product (feet)            |            | 1 Well Volume (gallons)           |        |
| Comments                           |            |                                   |        |

**Field Measurements and Observations**

| Time               | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color | Odor |
|--------------------|----------------|--------------|--------------|-------------|------|-----------|-------|------|
| —                  | —              | 5.62         | 961          | 19.0        | 8.33 | Medium    | gray  | None |
|                    |                | 11.24        | 905          | 19.0        | 8.10 | ↓         | ↓     | ↓    |
|                    |                | 16.80        | 819          | 19.0        | 7.87 | ↓         | ↓     | ↓    |
|                    |                |              |              |             |      |           |       |      |
| Total Purge Volume |                |              |              | Comments    |      |           |       |      |

**Groundwater Sampling Information**

|                                 |                 |             |  |
|---------------------------------|-----------------|-------------|--|
| Sample ID                       | EW-1            | Sample Time |  |
| Sample Containers (Number/Type) | (5)VOA (1)Amber |             |  |
| Comments                        |                 |             |  |



## Groundwater Sampling Field Log

Site Address 160 Holmes Date 2/1/12  
 Project Number \_\_\_\_\_ Field Personnel AP/JL

### Monitoring Well Information

Monitoring Well ID MW-1A Monitoring Well Diameter (inches) 2"  
 Depth to Water (feet) DRU Water Column (feet) DRU  
 Total Depth (feet) 28.50 80% Recharge Depth (feet) \_\_\_\_\_  
 Depth to Product (feet) \_\_\_\_\_ 1 Well Volume (gallons) \_\_\_\_\_  
 Comments \_\_\_\_\_

### Field Measurements and Observations

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|----|-----------|-------|------|
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |

Total Purge Volume \_\_\_\_\_ Comments \_\_\_\_\_

### Groundwater Sampling Information

Sample ID \_\_\_\_\_ Sample Time \_\_\_\_\_  
 Sample Containers (Number/Type) (5) VOA (1) Amber  
 Comments \_\_\_\_\_

## Groundwater Sampling Field Log

Site Address 160 Holmes Date 2/2/12  
 Project Number \_\_\_\_\_ Field Personnel AP/JL

### Monitoring Well Information

Monitoring Well ID MW-1B Monitoring Well Diameter (inches) 2"  
 Depth to Water (feet) 33.00 Water Column (feet) 21.50 (0.17) = 3.655  
 Total Depth (feet) 54.50 80% Recharge Depth (feet) \_\_\_\_\_  
 Depth to Product (feet) \_\_\_\_\_ 1 Well Volume (gallons) \_\_\_\_\_  
 Comments \_\_\_\_\_

### Field Measurements and Observations

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|------|-----------|-------|------|
| —    | —              | 3.7          | 556          | 18.7        | 8.60 | VERY LOW  | CLEAR | NONE |
|      |                | 7.3          | 567          | 18.7        | 8.42 |           |       |      |
|      |                | 10.97        | 565          | 18.6        | 8.21 |           |       |      |
|      |                |              |              |             |      |           |       |      |
|      |                |              |              |             |      |           |       |      |

Total Purge Volume \_\_\_\_\_ Comments \_\_\_\_\_

### Groundwater Sampling Information

Sample ID MW-1B Sample Time 12:00  
 Sample Containers (Number/Type) (5) VOA (1) Amber  
 Comments \_\_\_\_\_

**Groundwater Sampling Field Log**

Site Address 160 Holmes Date 2/1/12  
 Project Number \_\_\_\_\_ Field Personnel AP/JL

**Monitoring Well Information**

Monitoring Well ID MW-2A Monitoring Well Diameter (inches) 2"  
 Depth to Water (feet) DRV Water Column (feet) DRV  
 Total Depth (feet) 28.40 80% Recharge Depth (feet) \_\_\_\_\_  
 Depth to Product (feet) \_\_\_\_\_ 1 Well Volume (gallons) \_\_\_\_\_  
 Comments \_\_\_\_\_

**Field Measurements and Observations**

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|----|-----------|-------|------|
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |
|      |                |              |              |             |    |           |       |      |

Total Purge Volume \_\_\_\_\_ Comments \_\_\_\_\_

**Groundwater Sampling Information**

Sample ID \_\_\_\_\_ Sample Time \_\_\_\_\_  
 Sample Containers (Number/Type) (5) VOA (1) Amber  
 Comments \_\_\_\_\_

**Groundwater Sampling Field Log**

Site Address 160 Holmes Date 2/2/12  
 Project Number \_\_\_\_\_ Field Personnel AP/JL

**Monitoring Well Information**

Monitoring Well ID MW-7C Monitoring Well Diameter (inches) 2"  
 Depth to Water (feet) 34.14 Water Column (feet) 34.36 (0.0) = 5.84/12  
 Total Depth (feet) 68.5 80% Recharge Depth (feet) \_\_\_\_\_  
 Depth to Product (feet) \_\_\_\_\_ 1 Well Volume (gallons) \_\_\_\_\_  
 Comments \_\_\_\_\_

**Field Measurements and Observations**

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|------|-----------|-------|------|
| —    | —              | 5.94         | 495          | 19.6        | 8.31 | low       | grey  | None |
|      |                | 11.63        | 570          | 19.7        | 8.22 | ↓         | ↓     | ↓    |
|      |                | 17.52        | 575          | 19.8        | 8.18 | ↓         | ↓     | ↓    |

Total Purge Volume \_\_\_\_\_ Comments \_\_\_\_\_

**Groundwater Sampling Information**

Sample ID MW-7C Sample Time 12:00  
 Sample Containers (Number/Type) (5) VOA (1) Amber  
 Comments \_\_\_\_\_



## Groundwater Sampling Field Log

Site Address 1100 Holmes Date 2/2/12  
 Project Number \_\_\_\_\_ Field Personnel AP/JL

### Monitoring Well Information

Monitoring Well ID EW-2 Monitoring Well Diameter (inches) 4" ( $0.66$ )  
 Depth to Water (feet) 33.66 Water Column (feet) 3.34 ( $0.17$ ) = .5678  
 Total Depth (feet) 37.00 80% Recharge Depth (feet) \_\_\_\_\_  
 Depth to Product (feet) \_\_\_\_\_ 1 Well Volume (gallons) \_\_\_\_\_  
 Comments \_\_\_\_\_

### Field Measurements and Observations

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color | Odor |
|------|----------------|--------------|--------------|-------------|------|-----------|-------|------|
| —    | —              | .57          | 859          | 20.0        | 7.53 | low       | grey  | None |
|      |                | 1.14         | 831          | 20.2        | 7.48 | low       | ↓     | ↓    |
|      |                | 1.70         | 748          | 20.1        | 7.50 | Medium    | ↓     | ↓    |
|      |                |              |              |             |      |           |       |      |

Total Purge Volume \_\_\_\_\_ Comments \_\_\_\_\_

### Groundwater Sampling Information

Sample ID EW-2 Sample Time 1:00  
 Sample Containers (Number/Type) (5) VOA (1) Amber  
 Comments \_\_\_\_\_

## Groundwater Sampling Field Log

Site Address 1100 Holmes Date 2/2/12  
 Project Number \_\_\_\_\_ Field Personnel AP/JL

### Monitoring Well Information

Monitoring Well ID EW-3 Monitoring Well Diameter (inches) 4"  
 Depth to Water (feet) 29.76 Water Column (feet) 5.24 ( $0.17$ ) = .8908  
 Total Depth (feet) 34.00 80% Recharge Depth (feet) \_\_\_\_\_  
 Depth to Product (feet) \_\_\_\_\_ 1 Well Volume (gallons) \_\_\_\_\_  
 Comments \_\_\_\_\_

### Field Measurements and Observations

| Time | Depth to Water | Purge Volume | Conductivity | Temperature | pH   | Turbidity | Color    | Odor |
|------|----------------|--------------|--------------|-------------|------|-----------|----------|------|
| —    | —              | .8908        | 2560         | 18.7        | 8.81 | Low       | lt Brown | None |
|      |                | 1.78         | 2540         | 18.3        | 8.90 | Low       |          |      |
|      |                | 2.67         | 2580         | 18.4        | 9.02 | Low       |          |      |
|      |                |              |              |             |      |           |          |      |

Total Purge Volume \_\_\_\_\_ Comments \_\_\_\_\_

### Groundwater Sampling Information

Sample ID EW-3 Sample Time \_\_\_\_\_  
 Sample Containers (Number/Type) (5) VOA (1) Amber  
 Comments \_\_\_\_\_

**APPENDIX C**  
**Certified Analytical Report and Chain-of-Custody**



## Analytical Report

|  |                               |                                 |
|--|-------------------------------|---------------------------------|
| Allterra Environmental<br><br>849 Almar Ave, Ste. C #281<br><br>Santa Cruz, CA 95060 | Client Project ID: 160 Holmes | Date Sampled: 02/01/12-02/02/12 |
|  |                               | Date Received: 02/06/12         |
|  | Client Contact: James Allen   | Date Reported: 02/13/12         |
|  | Client P.O.:                  | Date Completed: 02/09/12        |

**WorkOrder: 1202114**

February 13, 2012

Dear James:

Enclosed within are:

- 1) The results of the **12** analyzed samples from your project: **160 Holmes**,
- 2) QC data for the above samples, and
- 3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
 Laboratory Manager  
 McC Campbell Analytical, Inc.

*The analytical results relate only to the items tested.*

1202114

**ALTERRA**

849 Almar Avenue, Suite C, #281

Santa Cruz, California 95060

Website: www.allterraenv.com

Phone: (831) 425-2608 Facsimile: (831) 425-2609

**Chain of Custody Record**

Turn Around Time (circle one) RUSH 24HR 48HR 72HR 5 Day

Report and Bill to: Allterra Environmental, Inc.

Project Number:

Project Location: 160 HOLMES

Project Name:

Sampler Signature: [Signature]

| Field Point Name<br>Sample ID | Sample Collection |       | Sample Containers    |                      | Matrix |       |      |        |       | Preservation |     |                  |       | TPHg/ BTEX/ MTBE (EPA 8015/8021) | BTEX (EPA 8020) | TPHd (EPA 8015) | 5-fuel oxy (EPA 8260) | Ethanol and Methanol (EPA 8260) | Lead Scavengers (8260) | Total HVOCS (EPA 8260) | pH, BOD, Fixed Dissolved Solids | Chloride, Sulfate, Boron, Sulfate | Nitrite, Nitrate, Total Kjeldahl Nitrogen, and Total Nitrogen (as N) | Priority Pollutants (Inorganics) | Perchlorate | Total Trihalomethanes | Total Haloacetic Acids | EDF required |  |  |  |  |  |  |  |  |
|-------------------------------|-------------------|-------|----------------------|----------------------|--------|-------|------|--------|-------|--------------|-----|------------------|-------|----------------------------------|-----------------|-----------------|-----------------------|---------------------------------|------------------------|------------------------|---------------------------------|-----------------------------------|--|----------------------------------|-------------|-----------------------|------------------------|--------------|--|--|--|--|--|--|--|--|
|                               | Date              | Time  | Number of Containers | Container Type       | Air    | Water | Soil | Sludge | Other | Ice          | HCl | HNO <sub>3</sub> | Other |                                  |                 |                 |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| MW-9A                         | 2-1-12            | 11:00 | 6                    | (5) VOA<br>(1) Amber |        | X     |      |        |       | X            | X   |                  |       | X                                |                 |                 |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| MW-9B                         | 2-1-12            | 11:00 | 6                    | (5) VOA<br>(1) Amber |        |       |      |        |       |              |     |                  |       | X                                |                 | X               |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| MW-6                          | 2-1-12            | 11:30 | 4                    | VOA                  |        |       |      |        |       |              |     |                  |       |                                  |                 |                 |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| MW-5B                         | 2-1-12            | 11:30 | 1                    | VOA                  |        |       |      |        |       |              |     |                  |       |                                  |                 |                 |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| MW-7C                         | 2-2-12            | 10:00 | 6                    | 5 VOA<br>1 Amber     |        |       |      |        |       |              |     |                  |       | X                                |                 | X               |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| EW-1                          | 2-2-12            | 10:00 | 6                    | 5 VOA<br>1 Amber     |        |       |      |        |       |              |     |                  |       | X                                |                 | X               |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| EW-2                          | 2-2-12            | 10:30 | 6                    | 5 VOA<br>1 Amber     |        |       |      |        |       |              |     |                  |       | X                                |                 | X               |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| EW-3                          | 2-2-12            | 11:30 | 6                    | 5 VOA<br>1 Amber     |        |       |      |        |       |              |     |                  |       | X                                |                 | X               |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| MW-7B                         | 2-2-12            | 1:30  | 6                    | 5 VOA<br>1 Amber     |        |       |      |        |       |              |     |                  |       | X                                |                 | X               |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| MW-1B                         | 2-2-12            | 1:30  | 6                    | 5 VOA<br>1 Amber     |        |       |      |        |       |              |     |                  |       | X                                |                 | X               |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| MW-8A                         | 2-2-12            | 11:00 | 4                    | VOA                  |        |       |      |        |       |              |     |                  |       |                                  |                 |                 |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |
| MW-8B                         | 2-2-12            | 11:00 | 4                    | VOA                  |        |       |      |        |       |              |     |                  |       |                                  |                 |                 |                       |                                 |                        |                        |                                 |                                   |  |                                  |             |                       |                        |              |  |  |  |  |  |  |  |  |

REC'D SEALED & INTACT VIA OutWac

|                                    |                        |                      |                                    |
|------------------------------------|------------------------|----------------------|------------------------------------|
| Sampled By:<br><u>Aaron Powers</u> | Date:<br><u>2-2-12</u> | Time:                | Received By:                       |
| Received By:                       | Date:<br><u>2/6/12</u> | Time:<br><u>0815</u> | Received By:<br><u>[Signature]</u> |
| Received By:                       | Date:                  | Time:                | Received By:                       |

Comments:  
1 VOA BROKE  
For MW-7C  
only 4 VOAs

~~Several~~ Several VOAs were received Broken but we still had enough to run all test!

ICE# 13.2

GOOD CONDITION  APPROPRIATE CONTAINERS

HEAD SPACE ABSENT  PRESERVED IN LAB

DECHLORINATED IN LAB

VOAS  O&G  METALS  OTHER

PRESERVATION

# McCampbell Analytical, Inc.



1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 1202114

ClientCode: ATRS

WaterTrax   
  WriteOn   
  EDF   
  Excel   
  Fax   
 Email   
 HardCopy   
 ThirdParty   
 J-flag

**Report to:**

James Allen  
Allterra Environmental  
849 Almar Ave, Ste. C #281  
Santa Cruz, CA 95060  
831-425-2608    FAX: 831-425-2609

Email: allterraenvironmental@yahoo.com; micah  
cc:  
PO:  
ProjectNo: 160 Holmes

**Bill to:**

Accounts Payable  
Allterra Environmental  
849 Almar Ave, Ste. C #281  
Santa Cruz, CA 95060  
micah@allterraenv.com

**Requested TAT: 5 days**

**Date Received: 02/06/2012**

**Date Printed: 02/06/2012**

| Lab ID      | Client ID | Matrix | Collection Date | Hold                     | Requested Tests (See legend below) |   |   |   |   |   |   |   |   |    |    |    |  |
|-------------|-----------|--------|-----------------|--------------------------|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|--|
|             |           |        |                 |                          | 1                                  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  |
| 1202114-001 | MW-9A     | Water  | 2/1/2012 11:00  | <input type="checkbox"/> | C                                  | A | B |   |   |   |   |   |   |    |    |    |  |
| 1202114-002 | MW-9B     | Water  | 2/1/2012 11:00  | <input type="checkbox"/> | C                                  | A | B |   |   |   |   |   |   |    |    |    |  |
| 1202114-003 | MW-6      | Water  | 2/1/2012 11:30  | <input type="checkbox"/> |                                    | A |   |   |   |   |   |   |   |    |    |    |  |
| 1202114-004 | MW-5B     | Water  | 2/1/2012 11:30  | <input type="checkbox"/> |                                    | A |   |   |   |   |   |   |   |    |    |    |  |
| 1202114-005 | MW-7C     | Water  | 2/2/2012 10:00  | <input type="checkbox"/> | C                                  | A | B |   |   |   |   |   |   |    |    |    |  |
| 1202114-006 | EW-1      | Water  | 2/2/2012 10:00  | <input type="checkbox"/> | C                                  | A | B |   |   |   |   |   |   |    |    |    |  |
| 1202114-007 | EW-2      | Water  | 2/2/2012 10:30  | <input type="checkbox"/> | C                                  | A | B |   |   |   |   |   |   |    |    |    |  |
| 1202114-008 | EW-3      | Water  | 2/2/2012 10:30  | <input type="checkbox"/> | C                                  | A | B |   |   |   |   |   |   |    |    |    |  |
| 1202114-009 | MW-7B     | Water  | 2/2/2012 13:30  | <input type="checkbox"/> | C                                  | A | B |   |   |   |   |   |   |    |    |    |  |
| 1202114-010 | MW-1B     | Water  | 2/2/2012 13:30  | <input type="checkbox"/> | C                                  | A | B |   |   |   |   |   |   |    |    |    |  |
| 1202114-011 | MW-8A     | Water  | 2/2/2012 11:00  | <input type="checkbox"/> |                                    | A |   |   |   |   |   |   |   |    |    |    |  |
| 1202114-012 | MW-8B     | Water  | 2/2/2012 11:00  | <input type="checkbox"/> |                                    | A |   |   |   |   |   |   |   |    |    |    |  |

**Test Legend:**

|    |                |    |           |   |          |   |  |    |  |
|----|----------------|----|-----------|---|----------|---|--|----|--|
| 1  | 5-OXYS+PBSCV_W | 2  | G-MBTEX_W | 3 | TPH(D)_W | 4 |  | 5  |  |
| 6  |                | 7  |           | 8 |          | 9 |  | 10 |  |
| 11 |                | 12 |           |   |          |   |  |    |  |

**Prepared by: Maria Venegas**

**Comments:**

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).  
Hazardous samples will be returned to client or disposed of at client expense.



### Sample Receipt Checklist

Client Name: **Allterra Environmental**

Date and Time Received: **2/6/2012 11:54:14 AM**

Project Name: **160 Holmes**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **1202114** Matrix: Water

Carrier: OnTrac

#### Chain of Custody (COC) Information

|   |   |                             |
|---|---|-----------------------------|
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Sample IDs noted by Client on COC?                      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Date and Time of collection noted by Client on COC?     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Sampler's name noted on COC?                            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

#### Sample Receipt Information

|  |   |  |  |
|--|---|--|--|
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |
| Shipping container/cooler in good condition?       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| Samples in proper containers/bottles?              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| Sample containers intact?                          | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |  |
| Sufficient sample volume for indicated test?       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |

#### Sample Preservation and Hold Time (HT) Information

|   |   |                             |   |
|---|---|-----------------------------|---|
| All samples received within holding time?           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Container/Temp Blank temperature                    | Cooler Temp: 13.2°C                     |                             | NA <input type="checkbox"/>                     |
| Water - VOA vials have zero headspace / no bubbles? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Sample labels checked for correct preservation?     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Metal - pH acceptable upon receipt (pH<2)?          | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| Samples Received on Ice?                            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |

(Ice Type: WET ICE )

\* NOTE: If the "No" box is checked, see comments below.

-----  
 Comments: Several voas were received broken but we still had enough sample to run all test requested.





|  |                               |                                   |
|--|-------------------------------|-----------------------------------|
| Allterra Environmental<br><br>849 Almar Ave, Ste. C #281<br><br>Santa Cruz, CA 95060 | Client Project ID: 160 Holmes | Date Sampled: 02/01/12-02/02/12   |
|  |                               | Date Received: 02/06/12           |
|  | Client Contact: James Allen   | Date Extracted: 02/07/12-02/09/12 |
|  | Client P.O.:                  | Date Analyzed: 02/07/12-02/09/12  |

**Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS\***

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1202114

|           |              |              |              |              |                               |  |
|-----------|--------------|--------------|--------------|--------------|-------------------------------|--|
| Lab ID    | 1202114-001C | 1202114-002C | 1202114-005C | 1202114-006C | Reporting Limit for<br>DF = 1 |  |
| Client ID | MW-9A        | MW-9B        | MW-7C        | EW-1         |                               |  |
| Matrix    | W            | W            | W            | W            |                               |  |
| DF        | 2            | 1            | 1            | 1000         |                               |  |

| Compound                      | Concentration                 |        |    |        | ug/kg  | µg/L |
|-------------------------------|-------------------------------|--------|----|--------|--------|------|
|                               | tert-Amyl methyl ether (TAME) | ND<1.0 | ND | ND     | ND<500 | NA   |
| t-Butyl alcohol (TBA)         | 200                           | 89     | ND | 50,000 | NA     | 2.0  |
| 1,2-Dibromoethane (EDB)       | ND<1.0                        | ND     | ND | ND<500 | NA     | 0.5  |
| 1,2-Dichloroethane (1,2-DCA)  | ND<1.0                        | ND     | ND | ND<500 | NA     | 0.5  |
| Diisopropyl ether (DIPE)      | ND<1.0                        | ND     | ND | ND<500 | NA     | 0.5  |
| Ethyl tert-butyl ether (ETBE) | ND<1.0                        | ND     | ND | ND<500 | NA     | 0.5  |
| Methyl-t-butyl ether (MTBE)   | 1.2                           | 3.3    | ND | ND<500 | NA     | 0.5  |

**Surrogate Recoveries (%)**

|       |     |     |     |    |  |
|-------|-----|-----|-----|----|--|
| %SS1: | 111 | 112 | 112 | 96 |  |
|-------|-----|-----|-----|----|--|

|                 |  |  |  |    |  |
|-----------------|--|--|--|----|--|
| <b>Comments</b> |  |  |  | b1 |  |
|-----------------|--|--|--|----|--|

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment



|  |                               |                                   |
|--|-------------------------------|-----------------------------------|
| Allterra Environmental<br><br>849 Almar Ave, Ste. C #281<br><br>Santa Cruz, CA 95060 | Client Project ID: 160 Holmes | Date Sampled: 02/01/12-02/02/12   |
|  |                               | Date Received: 02/06/12           |
|  | Client Contact: James Allen   | Date Extracted: 02/07/12-02/09/12 |
|  | Client P.O.:                  | Date Analyzed: 02/07/12-02/09/12  |

**Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS\***

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 1202114

|           |              |              |              |              |                               |  |
|-----------|--------------|--------------|--------------|--------------|-------------------------------|--|
| Lab ID    | 1202114-007C | 1202114-008C | 1202114-009C | 1202114-010C | Reporting Limit for<br>DF = 1 |  |
| Client ID | EW-2         | EW-3         | MW-7B        | MW-1B        |                               |  |
| Matrix    | W            | W            | W            | W            |                               |  |
| DF        | 10           | 1000         | 25           | 1            |                               |  |

| Compound                      | Concentration                 |        |        |       | ug/kg | ug/L |
|-------------------------------|-------------------------------|--------|--------|-------|-------|------|
|                               | tert-Amyl methyl ether (TAME) | ND<5.0 | ND<500 | ND<12 | ND    | NA   |
| t-Butyl alcohol (TBA)         | 490                           | 62,000 | 1800   | ND    | NA    | 2.0  |
| 1,2-Dibromoethane (EDB)       | ND<5.0                        | ND<500 | ND<12  | ND    | NA    | 0.5  |
| 1,2-Dichloroethane (1,2-DCA)  | ND<5.0                        | ND<500 | ND<12  | ND    | NA    | 0.5  |
| Diisopropyl ether (DIPE)      | ND<5.0                        | ND<500 | ND<12  | ND    | NA    | 0.5  |
| Ethyl tert-butyl ether (ETBE) | ND<5.0                        | ND<500 | ND<12  | ND    | NA    | 0.5  |
| Methyl-t-butyl ether (MTBE)   | ND<5.0                        | 26,000 | ND<12  | ND    | NA    | 0.5  |

**Surrogate Recoveries (%)**

|       |    |    |    |    |  |
|-------|----|----|----|----|--|
| %SS1: | 96 | 98 | 98 | 96 |  |
|-------|----|----|----|----|--|

**Comments**

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.  
 ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor  
 # surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.  
 b1) aqueous sample that contains greater than ~1 vol. % sediment





|  |                               |                                   |
|--|-------------------------------|-----------------------------------|
| Allterra Environmental<br><br>849 Almar Ave, Ste. C #281<br><br>Santa Cruz, CA 95060 | Client Project ID: 160 Holmes | Date Sampled: 02/01/12-02/02/12   |
|  |                               | Date Received: 02/06/12           |
|  | Client Contact: James Allen   | Date Extracted: 02/07/12-02/10/12 |
|  | Client P.O.:                  | Date Analyzed: 02/07/12-02/10/12  |

**Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE\***

Extraction method: SW5030B

Analytical methods: SW8021B/8015Bm

Work Order: 1202114

| Lab ID | Client ID | Matrix | TPH(g) | MTBE   | Benzene | Toluene | Ethylbenzene | Xylenes | DF | % SS | Comments |
|--------|-----------|--------|--------|--------|---------|---------|--------------|---------|----|------|----------|
| 001A   | MW-9A     | W      | ND     | ND     | ND      | ND      | ND           | ND      | 1  | 101  |          |
| 002A   | MW-9B     | W      | ND     | ND     | ND      | ND      | ND           | ND      | 1  | 102  |          |
| 003A   | MW-6      | W      | ND     | ND     | ND      | ND      | ND           | ND      | 1  | 99   | b1       |
| 004A   | MW-5B     | W      | ND     | ND     | ND      | ND      | ND           | ND      | 1  | 107  |          |
| 005A   | MW-7C     | W      | ND     | ND     | ND      | ND      | ND           | ND      | 1  | 103  |          |
| 006A   | EW-1      | W      | 59     | 270    | ND      | 1.1     | ND           | 0.68    | 1  | 113  | b1       |
| 007A   | EW-2      | W      | ND     | ND     | ND      | ND      | ND           | ND      | 1  | 102  |          |
| 008A   | EW-3      | W      | 1600   | 24,000 | ND<5.0  | 13      | 10           | 35      | 10 | 105  | d1       |
| 009A   | MW-7B     | W      | 74     | ND     | ND      | 1.8     | ND           | ND      | 1  | 114  | d9       |
| 010A   | MW-1B     | W      | ND     | ND     | ND      | ND      | ND           | ND      | 1  | 101  |          |
| 011A   | MW-8A     | W      | ND     | 9.7    | ND      | ND      | ND           | ND      | 1  | 101  | b1       |
| 012A   | MW-8B     | W      | ND     | ND     | ND      | ND      | ND           | ND      | 1  | 103  |          |
|        |           |        |        |        |         |         |              |         |    |      |          |
|        |           |        |        |        |         |         |              |         |    |      |          |
|        |           |        |        |        |         |         |              |         |    |      |          |
|        |           |        |        |        |         |         |              |         |    |      |          |

|  |   |     |      |       |       |       |       |       |       |
|--|---|-----|------|-------|-------|-------|-------|-------|-------|
| Reporting Limit for DF =1;<br>ND means not detected at or<br>above the reporting limit | W | 50  | 5.0  | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   | µg/L  |
|  | S | 1.0 | 0.05 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | mg/Kg |

\* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

# cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:

- b1) aqueous sample that contains greater than ~1 vol. % sediment
- d1) weakly modified or unmodified gasoline is significant
- d9) no recognizable pattern



|  |                               |                                 |
|--|-------------------------------|---------------------------------|
| Allterra Environmental<br><br>849 Almar Ave, Ste. C #281<br><br>Santa Cruz, CA 95060 | Client Project ID: 160 Holmes | Date Sampled: 02/01/12-02/02/12 |
|  |                               | Date Received: 02/06/12         |
|  | Client Contact: James Allen   | Date Extracted 02/06/12         |
|  | Client P.O.:                  | Date Analyzed 02/07/12          |

**Total Extractable Petroleum Hydrocarbons\***

Extraction method: SW3510C

Analytical methods: SW8015B

Work Order: 1202114

| Lab ID       | Client ID | Matrix | TPH-Diesel<br>(C10-C23) | DF | % SS | Comments |
|--------------|-----------|--------|-------------------------|----|------|----------|
| 1202114-001B | MW-9A     | W      | ND                      | 1  | 97   |          |
| 1202114-002B | MW-9B     | W      | ND                      | 1  | 96   |          |
| 1202114-005B | MW-7C     | W      | ND                      | 1  | 97   |          |
| 1202114-006B | EW-1      | W      | 57                      | 1  | 92   | e2,b1    |
| 1202114-007B | EW-2      | W      | ND                      | 1  | 96   |          |
| 1202114-008B | EW-3      | W      | 510                     | 1  | 95   | e4,e2    |
| 1202114-009B | MW-7B     | W      | ND                      | 1  | 94   |          |
| 1202114-010B | MW-1B     | W      | ND                      | 1  | 94   |          |
|              |           |        |                         |    |      |          |
|              |           |        |                         |    |      |          |
|              |           |        |                         |    |      |          |
|              |           |        |                         |    |      |          |
|              |           |        |                         |    |      |          |
|              |           |        |                         |    |      |          |
|              |           |        |                         |    |      |          |
|              |           |        |                         |    |      |          |

|  |   |    |      |
|--|---|----|------|
| Reporting Limit for DF =1;<br>ND means not detected at or<br>above the reporting limit | W | 50 | µg/L |
|  | S | NA | NA   |

\* water samples are reported in ug/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

# cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:

- b1) aqueous sample that contains greater than ~1 vol. % sediment
- e2) diesel range compounds are significant; no recognizable pattern
- e4) gasoline range compounds are significant.



**QC SUMMARY REPORT FOR SW8260B**

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 64731

WorkOrder: 1202114

| EPA Method: SW8260B           |        | Extraction: SW5030B |        |        |        |        | Spiked Sample ID: 1202141-001B |     |          |  |
|-------------------------------|--------|---------------------|--------|--------|--------|--------|--------------------------------|-----|----------|--|
| Analyte                       | Sample | Spiked              | MS     | MSD    | MS-MSD | LCS    | Acceptance Criteria (%)        |     |          |  |
|                               | µg/L   | µg/L                | % Rec. | % Rec. | % RPD  | % Rec. | MS / MSD                       | RPD | LCS      |  |
| tert-Amyl methyl ether (TAME) | ND     | 10                  | 102    | 97.7   | 4.02   | 85.1   | 70 - 130                       | 20  | 70 - 130 |  |
| t-Butyl alcohol (TBA)         | ND     | 40                  | 89.7   | 95     | 5.82   | 73.2   | 70 - 130                       | 20  | 70 - 130 |  |
| 1,2-Dibromoethane (EDB)       | ND     | 10                  | 100    | 97.6   | 2.43   | 90.2   | 70 - 130                       | 20  | 70 - 130 |  |
| 1,2-Dichloroethane (1,2-DCA)  | ND     | 10                  | 96.9   | 95.2   | 1.70   | 84.5   | 70 - 130                       | 20  | 70 - 130 |  |
| Diisopropyl ether (DIPE)      | ND     | 10                  | 95.4   | 94.8   | 0.586  | 87     | 70 - 130                       | 20  | 70 - 130 |  |
| Ethyl tert-butyl ether (ETBE) | ND     | 10                  | 94.6   | 94.9   | 0.320  | 85.4   | 70 - 130                       | 20  | 70 - 130 |  |
| Methyl-t-butyl ether (MTBE)   | ND     | 10                  | 97.5   | 96.7   | 0.886  | 82.7   | 70 - 130                       | 20  | 70 - 130 |  |
| %SS1:                         | 110    | 25                  | 112    | 111    | 1.03   | 94     | 70 - 130                       | 20  | 70 - 130 |  |

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
 NONE

BATCH 64731 SUMMARY

| Lab ID       | Date Sampled      | Date Extracted | Date Analyzed    | Lab ID       | Date Sampled      | Date Extracted | Date Analyzed    |
|--------------|-------------------|----------------|------------------|--------------|-------------------|----------------|------------------|
| 1202114-001C | 02/01/12 11:00 AM | 02/07/12       | 02/07/12 8:17 PM | 1202114-002C | 02/01/12 11:00 AM | 02/07/12       | 02/07/12 4:25 PM |
| 1202114-005C | 02/02/12 10:00 AM | 02/07/12       | 02/07/12 5:04 PM |              |                   |                |                  |

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 $\% \text{ Recovery} = 100 * (\text{MS} - \text{Sample}) / (\text{Amount Spiked})$ ;  $\text{RPD} = 100 * (\text{MS} - \text{MSD}) / ((\text{MS} + \text{MSD}) / 2)$ .  
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.  
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.  
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.  
 Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



### QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 64762

WorkOrder: 1202114

| EPA Method: SW8260B           |        | Extraction: SW5030B |        |        |        |        | Spiked Sample ID: 1202170-004A |     |          |  |
|-------------------------------|--------|---------------------|--------|--------|--------|--------|--------------------------------|-----|----------|--|
| Analyte                       | Sample | Spiked              | MS     | MSD    | MS-MSD | LCS    | Acceptance Criteria (%)        |     |          |  |
|                               | µg/L   | µg/L                | % Rec. | % Rec. | % RPD  | % Rec. | MS / MSD                       | RPD | LCS      |  |
| tert-Amyl methyl ether (TAME) | ND     | 10                  | 101    | 100    | 1.45   | 90.8   | 70 - 130                       | 20  | 70 - 130 |  |
| t-Butyl alcohol (TBA)         | 2.8    | 40                  | 98.3   | 110    | 10.6   | 90.2   | 70 - 130                       | 20  | 70 - 130 |  |
| 1,2-Dibromoethane (EDB)       | ND     | 10                  | 102    | 102    | 0      | 101    | 70 - 130                       | 20  | 70 - 130 |  |
| 1,2-Dichloroethane (1,2-DCA)  | ND     | 10                  | 103    | 100    | 2.94   | 98     | 70 - 130                       | 20  | 70 - 130 |  |
| Diisopropyl ether (DIPE)      | ND     | 10                  | 103    | 101    | 2.22   | 96.6   | 70 - 130                       | 20  | 70 - 130 |  |
| Ethyl tert-butyl ether (ETBE) | ND     | 10                  | 105    | 103    | 2.06   | 96.5   | 70 - 130                       | 20  | 70 - 130 |  |
| Methyl-t-butyl ether (MTBE)   | ND     | 10                  | 106    | 104    | 2.07   | 98.2   | 70 - 130                       | 20  | 70 - 130 |  |
| %SS1:                         | 98     | 25                  | 101    | 101    | 0      | 87     | 70 - 130                       | 20  | 70 - 130 |  |

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
 NONE

#### BATCH 64762 SUMMARY

| Lab ID       | Date Sampled      | Date Extracted | Date Analyzed     | Lab ID       | Date Sampled      | Date Extracted | Date Analyzed     |
|--------------|-------------------|----------------|-------------------|--------------|-------------------|----------------|-------------------|
| 1202114-006C | 02/02/12 10:00 AM | 02/08/12       | 02/08/12 11:21 PM | 1202114-007C | 02/02/12 10:30 AM | 02/09/12       | 02/09/12 12:01 AM |
| 1202114-008C | 02/02/12 10:30 AM | 02/09/12       | 02/09/12 12:42 AM | 1202114-009C | 02/02/12 1:30 PM  | 02/09/12       | 02/09/12 1:22 AM  |
| 1202114-010C | 02/02/12 1:30 PM  | 02/09/12       | 02/09/12 2:03 AM  |              |                   |                |                   |

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 $\% \text{ Recovery} = 100 * (\text{MS-Sample}) / (\text{Amount Spiked}); \text{RPD} = 100 * (\text{MS} - \text{MSD}) / ((\text{MS} + \text{MSD}) / 2).$   
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.  
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.  
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.  
 Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 64648

WorkOrder: 1202114

| EPA Method: SW8021B/8015Bm |        | Extraction: SW5030B |        |        |        |        | Spiked Sample ID: 1202089-010B |     |          |  |
|----------------------------|--------|---------------------|--------|--------|--------|--------|--------------------------------|-----|----------|--|
| Analyte                    | Sample | Spiked              | MS     | MSD    | MS-MSD | LCS    | Acceptance Criteria (%)        |     |          |  |
|                            | µg/L   | µg/L                | % Rec. | % Rec. | % RPD  | % Rec. | MS / MSD                       | RPD | LCS      |  |
| TPH(btex) £                | ND     | 60                  | 116    | 121    | 4.14   | 108    | 70 - 130                       | 20  | 70 - 130 |  |
| MTBE                       | ND     | 10                  | 102    | 91.5   | 10.8   | 105    | 70 - 130                       | 20  | 70 - 130 |  |
| Benzene                    | ND     | 10                  | 114    | 112    | 1.44   | 110    | 70 - 130                       | 20  | 70 - 130 |  |
| Toluene                    | ND     | 10                  | 114    | 112    | 1.45   | 111    | 70 - 130                       | 20  | 70 - 130 |  |
| Ethylbenzene               | ND     | 10                  | 111    | 112    | 1.13   | 109    | 70 - 130                       | 20  | 70 - 130 |  |
| Xylenes                    | ND     | 30                  | 110    | 112    | 1.88   | 109    | 70 - 130                       | 20  | 70 - 130 |  |
| %SS:                       | 101    | 10                  | 108    | 106    | 1.99   | 108    | 70 - 130                       | 20  | 70 - 130 |  |

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
 NONE

BATCH 64648 SUMMARY

| Lab ID       | Date Sampled      | Date Extracted | Date Analyzed     | Lab ID       | Date Sampled      | Date Extracted | Date Analyzed     |
|--------------|-------------------|----------------|-------------------|--------------|-------------------|----------------|-------------------|
| 1202114-001A | 02/01/12 11:00 AM | 02/07/12       | 02/07/12 11:50 PM | 1202114-002A | 02/01/12 11:00 AM | 02/08/12       | 02/08/12 12:20 AM |
| 1202114-003A | 02/01/12 11:30 AM | 02/08/12       | 02/08/12 12:49 AM | 1202114-004A | 02/01/12 11:30 AM | 02/08/12       | 02/08/12 1:18 AM  |

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 % Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).  
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.  
 £ TPH(btex) = sum of BTEX areas from the FID.  
 # cluttered chromatogram; sample peak coelutes with surrogate peak.  
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.  
 NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.



**QC SUMMARY REPORT FOR SW8021B/8015Bm**

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 64663

WorkOrder: 1202114

| EPA Method: SW8021B/8015Bm |        | Extraction: SW5030B |        |        |        |        | Spiked Sample ID: 1202114-012A |     |          |  |
|----------------------------|--------|---------------------|--------|--------|--------|--------|--------------------------------|-----|----------|--|
| Analyte                    | Sample | Spiked              | MS     | MSD    | MS-MSD | LCS    | Acceptance Criteria (%)        |     |          |  |
|                            | µg/L   | µg/L                | % Rec. | % Rec. | % RPD  | % Rec. | MS / MSD                       | RPD | LCS      |  |
| TPH(btex) £                | ND     | 60                  | 118    | 123    | 4.17   | 108    | 70 - 130                       | 20  | 70 - 130 |  |
| MTBE                       | ND     | 10                  | 125    | 118    | 5.19   | 95.4   | 70 - 130                       | 20  | 70 - 130 |  |
| Benzene                    | ND     | 10                  | 121    | 121    | 0      | 123    | 70 - 130                       | 20  | 70 - 130 |  |
| Toluene                    | ND     | 10                  | 117    | 120    | 1.95   | 121    | 70 - 130                       | 20  | 70 - 130 |  |
| Ethylbenzene               | ND     | 10                  | 116    | 118    | 1.81   | 122    | 70 - 130                       | 20  | 70 - 130 |  |
| Xylenes                    | ND     | 30                  | 116    | 120    | 3.43   | 120    | 70 - 130                       | 20  | 70 - 130 |  |
| %SS:                       | 103    | 10                  | 113    | 108    | 4.50   | 119    | 70 - 130                       | 20  | 70 - 130 |  |

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
 NONE

BATCH 64663 SUMMARY

| Lab ID       | Date Sampled      | Date Extracted | Date Analyzed    | Lab ID       | Date Sampled      | Date Extracted | Date Analyzed    |
|--------------|-------------------|----------------|------------------|--------------|-------------------|----------------|------------------|
| 1202114-005A | 02/02/12 10:00 AM | 02/08/12       | 02/08/12 2:17 AM | 1202114-006A | 02/02/12 10:00 AM | 02/09/12       | 02/09/12 6:54 AM |
| 1202114-007A | 02/02/12 10:30 AM | 02/09/12       | 02/09/12 8:21 AM | 1202114-008A | 02/02/12 10:30 AM | 02/08/12       | 02/08/12 4:43 AM |
| 1202114-008A | 02/02/12 10:30 AM | 02/09/12       | 02/09/12 3:32 AM | 1202114-009A | 02/02/12 1:30 PM  | 02/10/12       | 02/10/12 5:08 AM |
| 1202114-010A | 02/02/12 1:30 PM  | 02/08/12       | 02/08/12 6:40 AM | 1202114-011A | 02/02/12 11:00 AM | 02/07/12       | 02/07/12 7:06 PM |
| 1202114-012A | 02/02/12 11:00 AM | 02/07/12       | 02/07/12 7:35 PM |              |                   |                |                  |

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 % Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).  
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.  
 £ TPH(btex) = sum of BTEX areas from the FID.  
 # cluttered chromatogram; sample peak coelutes with surrogate peak.  
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.  
 NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.



### QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 64571

WorkOrder: 1202114

| EPA Method: SW8015B  |        | Extraction: SW3510C |        |        |        |        | Spiked Sample ID: N/A   |     |          |  |
|----------------------|--------|---------------------|--------|--------|--------|--------|-------------------------|-----|----------|--|
| Analyte              | Sample | Spiked              | MS     | MSD    | MS-MSD | LCS    | Acceptance Criteria (%) |     |          |  |
|                      | µg/L   | µg/L                | % Rec. | % Rec. | % RPD  | % Rec. | MS / MSD                | RPD | LCS      |  |
| TPH-Diesel (C10-C23) | N/A    | 1000                | N/A    | N/A    | N/A    | 114    | N/A                     | N/A | 70 - 130 |  |
| %SS:                 | N/A    | 625                 | N/A    | N/A    | N/A    | 97     | N/A                     | N/A | 70 - 130 |  |

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
 NONE

#### BATCH 64571 SUMMARY

| Lab ID       | Date Sampled      | Date Extracted | Date Analyzed    | Lab ID       | Date Sampled      | Date Extracted | Date Analyzed    |
|--------------|-------------------|----------------|------------------|--------------|-------------------|----------------|------------------|
| 1202114-001B | 02/01/12 11:00 AM | 02/06/12       | 02/07/12 3:24 AM | 1202114-002B | 02/01/12 11:00 AM | 02/06/12       | 02/07/12 2:17 AM |
| 1202114-005B | 02/02/12 10:00 AM | 02/06/12       | 02/07/12 4:31 AM | 1202114-006B | 02/02/12 10:00 AM | 02/06/12       | 02/07/12 7:12 PM |
| 1202114-007B | 02/02/12 10:30 AM | 02/06/12       | 02/07/12 6:43 AM | 1202114-008B | 02/02/12 10:30 AM | 02/06/12       | 02/07/12 7:50 AM |
| 1202114-009B | 02/02/12 1:30 PM  | 02/06/12       | 02/07/12 8:59 AM | 1202114-010B | 02/02/12 1:30 PM  | 02/06/12       | 02/07/12 7:52 AM |

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 % Recovery =  $100 * (MS - Sample) / (Amount Spiked)$ ;  $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$ .  
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.  
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.  
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.