Technical Memorandum

Third Quarter 2011 Monitoring Summary
National Aeronautics and Space Administration
Jet Propulsion Laboratory, Pasadena, California

Final December 2011

This technical memorandum summarizes the results of the third quarter 2011 groundwater sampling event completed as part of the groundwater monitoring program at the National Aeronautics and Space Administration (NASA) Jet Propulsion Laboratory (JPL).

INTRODUCTION

During the third quarter 2011 sampling event, groundwater samples were collected from 23 JPL monitoring wells (MWs), both on- and off-facility, and analyzed for volatile organic compounds (VOCs), total chromium, hexavalent chromium [Cr(VI)], and perchlorate. Figure 1 shows the locations of the groundwater monitoring wells.

Groundwater samples were shipped to Alpha Analytical Services, Inc., in Sparks, Nevada, and Columbia Analytical Services (CAS) in Simi Valley, California, for chemical analysis. Alpha Analytical Services, Inc. and CAS are certified by the California Department of Public Health (DPH). Sample collection procedures and sample analyses were conducted in accordance with the approved *Work Plan for Performing a Remedial Investigation/Feasibility Study*.[1] No reported data were rejected for non-compliance with method requirements during the course of validation and no reported data were deemed unusable.

Table 1 summarizes analytical results for VOCs and perchlorate and Table 2 summarizes analytical results for metals during the most recent four quarters. Table 3 summarizes VOC and perchlorate concentrations in production wells located near the JPL facility during the most recent four quarters. The tentatively identified compound (TIC) results are presented in Table 4.

Additional figures are included in this technical memorandum summarizing the results from the third quarter 2011 sampling event. Figure 2 shows the lateral extent of carbon tetrachloride concentrations in groundwater and Figure 3 includes a cross-section detailing the horizontal and vertical extent of carbon tetrachloride. Figure 4 shows the lateral extent of perchlorate concentrations in groundwater, and Figure 5 includes a cross-section detailing the horizontal and vertical extent of perchlorate in groundwater. Figure 6 shows the lateral extent of tetrachloroethene (PCE) concentrations in groundwater. Figure 7 shows the lateral extent of trichloroethene (TCE) concentrations in groundwater and Figure 8 shows groundwater elevation contours and groundwater flow directions.

The groundwater monitoring wells have been grouped into four categories:

- On-facility source area wells (MW-7, MW-13, MW-16, and MW-24);
- Other on-facility wells (MW-6, MW-8, MW-11, MW-22, and MW-23);
- Perimeter off-facility wells (MW-3, MW-4, MW-5, MW-10, MW-12, MW-14, and MW-15); and
- Off-facility wells (MW-17, MW-18, MW-19, MW-20, MW-21, MW-25, and MW-26).

[1] Ebasco. 1993. *Work Plan for Performing a Remedial Investigation/Feasibility Study*, National Aeronautics and Space Administration Jet Propulsion Laboratory, Pasadena, California. December.

Well MW-2 has not been sampled for the groundwater monitoring program since it was replaced with well MW-14.

ON-FACILITY SOURCE AREA WELLS

On-facility source area wells consist of wells that have historically contained the highest concentration of site-related chemicals. This group of wells is located within the JPL facility (on-facility) and consists of monitoring wells MW-7, MW-13, MW-16, and MW-24.

The source area treatment system has been operating since 2005 and addresses groundwater beneath the JPL facility which has historically contained the highest concentrations of perchlorate and VOCs (i.e., the source area). Operation of the source area treatment system appears to have resulted in a significant reduction of chemicals of interest in wells MW-7, MW-16 and MW-24, which are located within the treatment zone. Additional details regarding chemical concentrations in these wells are discussed below.

PERCHLORATE ANALYTICAL RESULTS

- During the third quarter 2011 sampling event, concentrations of perchlorate in excess of the state maximum contaminant level (MCL) (6.0 micrograms per liter [µg/L]) were reported in samples collected from wells MW-7 (10.2 µg/L), MW-13 (253 µg/L) and MW-24 (Screens 1 [12.2 µg/L] and 2 [33.0 µg/L]).
- Perchlorate was detected in MW-16 (2.5J µg/L) below the state MCL of 6.0 µg/L.
- Perchlorate concentrations increased from their respective last sampling date to the third quarter 2011 in MW-7 (2.9 µg/L to 10.2 µg/L), MW-13 (81.8 µg/L to 253 µg/L), MW-16 (2.4 µg/L to 2.5J µg/L) and MW-24 (Screens 1 [10.4 µg/L to 12.2 µg/L] and 2 [17.5 µg/L to 33.0 µg/L]).
- Perchlorate concentrations in MW-24 (Screen 3) were non-detect during the third quarter 2011, with a reporting limit of 1.0 µg/L. Samples from MW-24 (Screens 4 and 5) were not collected during the third quarter sampling event.

VOC ANALYTICAL RESULTS

- During the third quarter 2011, carbon tetrachloride was detected above the state MCL (0.5 µg/L) in MW-13 (0.8 µg/L) and MW-24 (Screen 2 [1.3 µg/L]). These two detections were the only carbon tetrachloride detections in the on-facility source area wells.
- TCE was detected below the state and federal MCL of 5.0 µg/L in MW-13 at 1.0 µg/L.
- PCE was not detected in any of the on-facility source area wells during the third quarter 2011 with a reporting limit of 0.5 µg/L.

OTHER NOTABLE DETECTIONS

- During the third quarter 2011, Cr(VI)[2] was detected below the state MCL of 50.0 µg/L in MW-13 (6.0 J µg/L).
- During the third quarter 2011, total chromium was detected at MW-7 (79.0 µg/L), MW-13 (6.0 µg/L), MW-16 (5.1 µg/L) and MW-24 (Screen 1 [7.9 µg/L]); however, only the detection of 79.0 µg/L in well MW-7 is above the state MCL of 50.0 µg/L. Historically, the total chromium

[2] California DPH released a draft Public Health Goal (PHG) for hexavalent chromium of 0.06 µg/L on August 20, 2009.

concentrations in MW-7 have been below the state MCL (50.0 µg/L). The total chromium detection of 79.0 µg/L is the only detection in MW-7 above the state MCL (50.0 µg/L) since it was first sampled during the August/September 1996 monitoring event. Total chromium results in MW-7 will continue to be closely evaluated during subsequent sampling events.

OTHER ON-FACILITY WELLS

This well group consists of monitoring wells MW-6, MW-8, MW-11, MW-22, and MW-23. These wells are located on the JPL facility but outside the source area.

PERCHLORATE ANALYTICAL RESULTS

- During the third quarter 2011 sampling event, perchlorate in excess of the state MCL (6.0 µg/L) was detected in MW-22 (Screen 1 [98.7 µg/L]) and MW-23 (Screen 1 [9.7 µg/L]).
- Perchlorate was detected in MW-6 (2.6 µg/L), MW-22 (Screens 2 [2.0 µg/L] and 3 [2.7 µg/L]) and MW-23 (Screens 2 [3.0 µg/L] and 3 [1.2 µg/L]) below the state MCL of 6.0 µg/L.
- Perchlorate concentrations increased from their respective last sampling date to the third quarter 2011 in MW-6 (2.5 µg/L to 2.6 µg/L) and MW-22 (Screen 1 [40.1 µg/L to 98.7 µg/L] and 3 [1.8 µg/L to 2.7 µg/L).
- Perchlorate concentrations decreased from their respective last sampling event to the third quarter 2011 in MW-11 (Screen 3 [1.7 µg/L to non-detect]), MW-22 (Screen 2 [2.1 µg/L to 2.0 µg/L]) and MW-23 Screens 1 [97.8 µg/L to 9.7 µg/L], 2 [3.5 µg/L to 3.0 µg/L] and 3 [1.5 µg/L to 1.2 µg/L]).
- The perchlorate concentration of 98.7 µg/L in MW-22 (Screen 1) marks the highest detection for this well screen interval. Historically, the perchlorate concentrations in MW-22 (Screen 1) have been either non-detect or below the state MCL (6.0 µg/L) with four detections that exceeded the state MCL (third quarter 1998 [6.4 µg/L], first quarter 1999 [6.4 µg/L], first quarter 2011 [22.9 µg/L] and second quarter 2011 [40.1 µg/L]). Perchlorate results in MW-22 (Screen 1) will continue to be closely evaluated during subsequent sampling events.
- Historically, the perchlorate concentrations in MW-23 (Screens 1 through 5) have been non-detect with an occasional detection below the state MCL (6.0 µg/L), and some isolated perchlorate detections that exceeded the state MCL in MW-23 (Screens 1, 2 and 5) between 1997 and 2008. The detections of 28.3 µg/L, 30.4 J µg/L, 302 µg/L, 97.8 µg/L and 9.7 µg/L (third quarter 2010 through third quarter 2011, respectively) in Screen 1 are the only detections in MW-23 above the state MCL (6.0 µg/L) since the first quarter 2008. Perchlorate results in MW-23 will continue to be closely evaluated during subsequent sampling events.
- During the third quarter 2011, perchlorate was not detected in MW-8 and MW-11 (Screens 1 through 4) with a reporting limit of 1.0 µg/L.

VOC ANALYTICAL RESULTS

- Carbon tetrachloride was not detected in any of the other on-facility wells during the third quarter 2011 with a reporting limit of 0.5 µg/L.
- During the third quarter 2011, TCE was detected below the state and federal MCL of 5.0 µg/L in MW-6 (2.7 µg/L) and MW-23 (Screen 2 [2.0 µg/L]).
- PCE was detected below the state and federal MCL for PCE (5.0 µg/L) in well MW-6 (1.0 µg/L) and MW-23 (Screen 2 [0.9 µg/L]).

OTHER NOTABLE DETECTIONS

- During the third quarter of 2011, Cr(VI) was not detected in any of the other on-facility wells with a reporting limit of 10.0 µg/L.
- Total chromium was detected at MW-23 (Screen 1 [7.2 µg/L]) below the state MCL of 50.0 µg/L.

PERIMETER OFF-FACILITY WELLS

The perimeter off-facility wells are located near the JPL fence line along the perimeter of the property. This group of wells consists of MW-3, MW-4, MW-5, MW-10, MW-12, MW-14, and MW-15.

PERCHLORATE ANALYTICAL RESULTS

- During the third quarter 2011 sampling event, concentrations of perchlorate in excess of the state MCL (6.0 µg/L) were reported in samples collected from wells MW-4 (Screen 2 [17.6 µg/L]) and MW-12 (Screen 2 [6.1J µg/L]).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-3 (Screen 2 [3.0 µg/L]), MW-12 (Screens 3, 4 and 5 [4.3J µg/L, 3.5J µg/L and 1.6J µg/L, respectively]) and MW-14 (Screens 1 through 4 [2.4 µg/L, 2.5 µg/L, 4.4 µg/L and 3.9 µg/L, respectively]).
- Perchlorate concentrations increased slightly from their respective last sampling date to the third quarter 2011 in MW-12 (Screens 2 [5.4 µg/L to 6.1J µg/L], 3 [4.2 µg/L to 4.3J µg/L] and 4 [2.8 µg/L to 3.5J µg/L).
- Perchlorate concentrations decreased from their last sampling event to the third quarter 2011 in MW-3 (Screen 2 [12.9 µg/L to 3.0 µg/L]), MW-4 (Screen 2 [31.7 µg/L to 17.6 µg/L]), MW-12 (Screen 5 [1.9 µg/L to 1.6J µg/L]) and MW-14 (Screens 2 [3.4 µg/L to 2.5 µg/L] and 3 [4.5 µg/L to 4.4 µg/L]).
- The perchlorate concentrations in MW-4 (Screen 2) have been below the state MCL (6.0 µg/L), since the first quarter 2002 with three exceptions: 6.6 µg/L, 9.0 µg/L and 6.1 µg/L (second and third quarters of 2003 and third quarter 2005, respectively). The detections of 23.0 µg/L (first quarter 2011), 31.7 µg/L (second quarter 2011) and 17.6 µg/L (third quarter 2011) are the only detections in MW-4 (Screen 2) above the state MCL (6.0 µg/L) since the third quarter 2005. Perchlorate results in MW-4 will continue to be closely evaluated during subsequent sampling events.
- Perchlorate was not detected in MW-3 (Screens 3 and 4), MW-4 (Screens 1 and 3), MW-5, MW-10, MW-12 (Screen 1) and MW-14 (Screen 5) with a reporting limit of 1.0 µg/L.

VOC ANALYTICAL RESULTS

- During the third quarter 2011, carbon tetrachloride was detected at a concentration in excess of the state MCL (0.5 µg/L) in MW-12 (Screens 3 [1.8 µg/L], 4 [1.3 µg/L] and 5 [0.7 µg/L]). No other carbon tetrachloride detections occurred in the perimeter off-facility wells during the third quarter 2011.
- During the third quarter 2011, TCE was detected above the state and federal MCL (5.0 µg/L) in well MW-14 (Screen 2 [5.7 µg/L]). Historically, TCE detections have been present in MW-14 (Screen 2) and concentrations have remained above the state and federal MCL (5.0 µg/L) since the third quarter 2007, with the exception of the fourth quarter 2010 and the second quarter 2011. Screens 1 (3.6 µg/L) and 3 (2.2 µg/L) of MW-14 had detections of TCE below the state

and federal MCL (5.0 µg/L). No other TCE detections occurred in the perimeter off-facility wells during the third quarter 2011.

- During the third quarter 2011, PCE was detected below the state and federal MCL of 5.0 µg/L in MW-4 (Screen 2 [0.8 µg/L]) and MW-14 (Screen 3 [0.8 µg/L]). No other PCE detections occurred in the perimeter off-facility wells during the third quarter 2011.

OTHER NOTABLE RESULTS

- During the third quarter 2011, Cr(VI) was not detected in any of the perimeter off-facility wells with a reporting limit of 10.0 µg/L.
- During the third quarter 2011, total chromium was not detected in any of the other on-facility wells with a reporting limit of 5.0 µg/L.

OFF-FACILITY WELLS

The off-facility wells consist of monitoring wells MW-17, MW-18, MW-19, MW-20, MW-21, MW-25, and MW-26. Daily operation of the Monk Hill Treatment System (MHTS) began in February 2011, with the majority of treated water discharged to the Arroyo Seco Spreading Basins. Starting July 2011, Pasadena Water and Power (PWP) began operating the MHTS producing treated water which is disinfected and distributed as drinking water to its customers. The production wells associated with the MHTS are located upgradient of the off-facility wells discussed below.

PERCHLORATE ANALYTICAL RESULTS

- During the third quarter 2011 sampling event, concentrations of perchlorate in excess of the state MCL (6.0 µg/L) were reported in samples collected from wells MW-17 (Screens 2 [78.7J µg/L] and 3 [6.6J µg/L]), MW-18 (Screens 3 [144 µg/L] and 4 [10.9J µg/L]) and MW-25 (Screens 1 through 4 [8.3 µg/L, 13.3 µg/L, 9.1 µg/L and 7.6 µg/L, respectively]).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-17 (Screen 4 [1.1J µg/L]), MW-19 (Screens 1 through 5 [1.8 µg/L, 5.0 µg/L, 3.3 µg/L, 2.2 µg/L and 2.3 µg/L, respectively]), MW-20 (Screens 1 [1.3J µg/L] and 2 [2.5J µg/L]), MW-21 (Screens 1 through 5 [2.4 µg/L, 1.8 µg/L, 2.4 µg/L, 2.2 µg/L and 2.6 µg/L, respectively]) and MW-26 (Screen 1 [2.2 µg/L]).
- Perchlorate concentrations increased from their respective last sampling date to the third quarter 2011 in MW-17 (Screen 2 [76.0 µg/L to 78.7J µg/L]), MW-18 (Screen 3 [54.8 µg/L to 144 µg/L]), MW-19 (Screens 3 [2.8 µg/L to 3.3 µg/L] and 5 [2.2 µg/L to 2.3 µg/L]), MW-20 (Screen 1 [non-detect to 1.3J µg/L]), MW-21 (Screens 4 [2.1 µg/L to 2.2 µg/L] and 5 [2.4 µg/L to 2.6 µg/L]) and MW-25 (Screens 3 [8.5 µg/L to 9.1 µg/L] and 4 [7.3 to 7.6 µg/L]).
- Perchlorate concentrations decreased from their respective last sampling event to the third quarter 2011 in MW-17 (Screens 3 [7.1 µg/L to 6.6J µg/L] and 4 [3.0 µg/L to 1.1J µg/L]), MW-18 (Screen 4 [38.3 µg/L to 10.9J µg/L]), MW-19 (Screens 1, 2 and 4 [4.6 µg/L to 1.8 µg/L, 5.1 µg/L to 5.0 µg/L and 2.2 µg/L to 2.1 µg/L, respectively]), MW-20 (Screens 2 [2.8 µg/L to 2.5J µg/L] and 5 [4.2 µg/L to non-detect]), MW-21 (Screens 1 through 3 [2.6 µg/L to 2.4 µg/L, 1.9 µg/L to 1.8 µg/L and 2.5 µg/L to 2.4 µg/L, respectively]), MW-25 Screens 1 [9.2 µg/L to 8.3 µg/L] 2 [13.3 µg/L to 13.2 µg/L] and 5 [39.2 µg/L to non-detect]) and MW-26 (Screen 1 [3.0 µg/L to 2.2 µg/L]).
- Prior to the first quarter 2003, the perchlorate concentrations in MW-17 (Screen 2) were non-detect. From the first quarter 2003 through the fourth quarter 2008 all detections were above

the state MCL with the exception of three quarters (first and second quarters 2003 and third quarter 2008). Since the first quarter 2009, perchlorate levels have been below the state MCL (6.0 µg/L) until the detection of 24.1 µg/L during the first quarter 2011. The concentration of 78.7 µg/L during the third quarter 2011 is the highest reported concentration for MW-17 (Screen 2). Perchlorate results in MW-17 will continue to be closely evaluated during subsequent sampling events.

- Since the third quarter 2005, the perchlorate concentrations in MW-18 (Screen 3) have exceeded the state MCL (6.0 µg/L) with the exception of one quarter (first quarter 2007 [non-detect]). The concentration of 144 µg/L during the third quarter 2011 is the highest reported concentration for MW-18 (Screen 3) since the well was installed.
- Concentrations of perchlorate were not detected in MW-18 (Screens 2 and 5), MW-20 (Screens 3, 4 and 5), MW-25 (Screen 5) and MW-26 (Screen 2).

VOC ANALYTICAL RESULTS

- During the third quarter 2011, carbon tetrachloride was detected at a concentration in excess of the state MCL (0.5 µg/L) in MW-18 (Screens 3 [43.0 µg/L] and 4 [1.9 µg/L]). No other carbon tetrachloride detections occurred in the off-facility wells during the third quarter 2011. Since the first quarter 2005, the carbon tetrachloride concentrations in MW-18 (Screen 3) have exceeded the state MCL (0.5 µg/L). The concentration of 43.0 µg/L during the third quarter 2011 is the highest reported concentration for MW-18 (Screen 3) since the well was installed.
- TCE was detected in seven off-facility wells during the third quarter 2011, including MW-17 (Screen 4), MW-18 (Screens 3 and 4), MW-19 (Screen 2), MW-20 (Screen 3), MW-21 (Screen 3), MW-25 (Screen 1) and MW-26 (Screen 1). The detection of 6.4 µg/L in MW-25 (Screen 1) was the only detection above the state and federal MCL (5.0 µg/L).
- PCE was detected in four off-facility wells: MW-18 (Screen 4), MW-19 (Screen 5), MW-21 (Screens 1 through 5) and MW-26 (Screen 1); however, no detections exceeded the state and federal MCL (5.0 µg/L) during the third quarter 2011. PCE concentrations in MW-21 (Screens 2 and 3) have typically been present above the state and federal MCL (5.0 µg/L) since the second quarter 2006.

OTHER NOTABLE DETECTIONS

- During the third quarter 2011, Cr(VI) was not detected in any of the off-facility wells with a reporting limit of 10.0 µg/L.
- During the third quarter 2011, total chromium was detected in MW-21 (Screen 5 [5.8 µg/L]) below the state MCL of 50.0 µg/L. Total chromium was not detected in any other off-facility wells with a reporting limit of 5.0 µg/L.

ALL WELL CATEGORIES (OTHER RESULTS)

- The TIC sulfur dioxide was detected in very low concentrations in five wells. The TIC results are presented in Table 4.
- Comparing the second quarter 2011 to the third quarter 2011, groundwater levels decreased an average of approximately 8.70 ft.
- Groundwater level measurements collected during the third quarter 2011 indicate that groundwater gradients and flow directions are generally consistent with previous observations (see Figure 8).

ATTACHMENTS

Attachments to this technical memorandum include the following:

- Attachment 1: Quality Assurance/Quality Control Summary
- Attachment 2: Data Validation Reports (Summary Sheets)
- Attachment 3: Laboratory Analytical Reports (Summary Sheets)
- Attachment 4: Field Logs
- Attachment 5: Water Level Measurements
- Attachment 6: Time-Series Concentration Plots
- Attachment 7: Tables 1A, 2A and 3A (Historical Perchlorate, VOCs and Metals from 1996 to present)

FIGURES

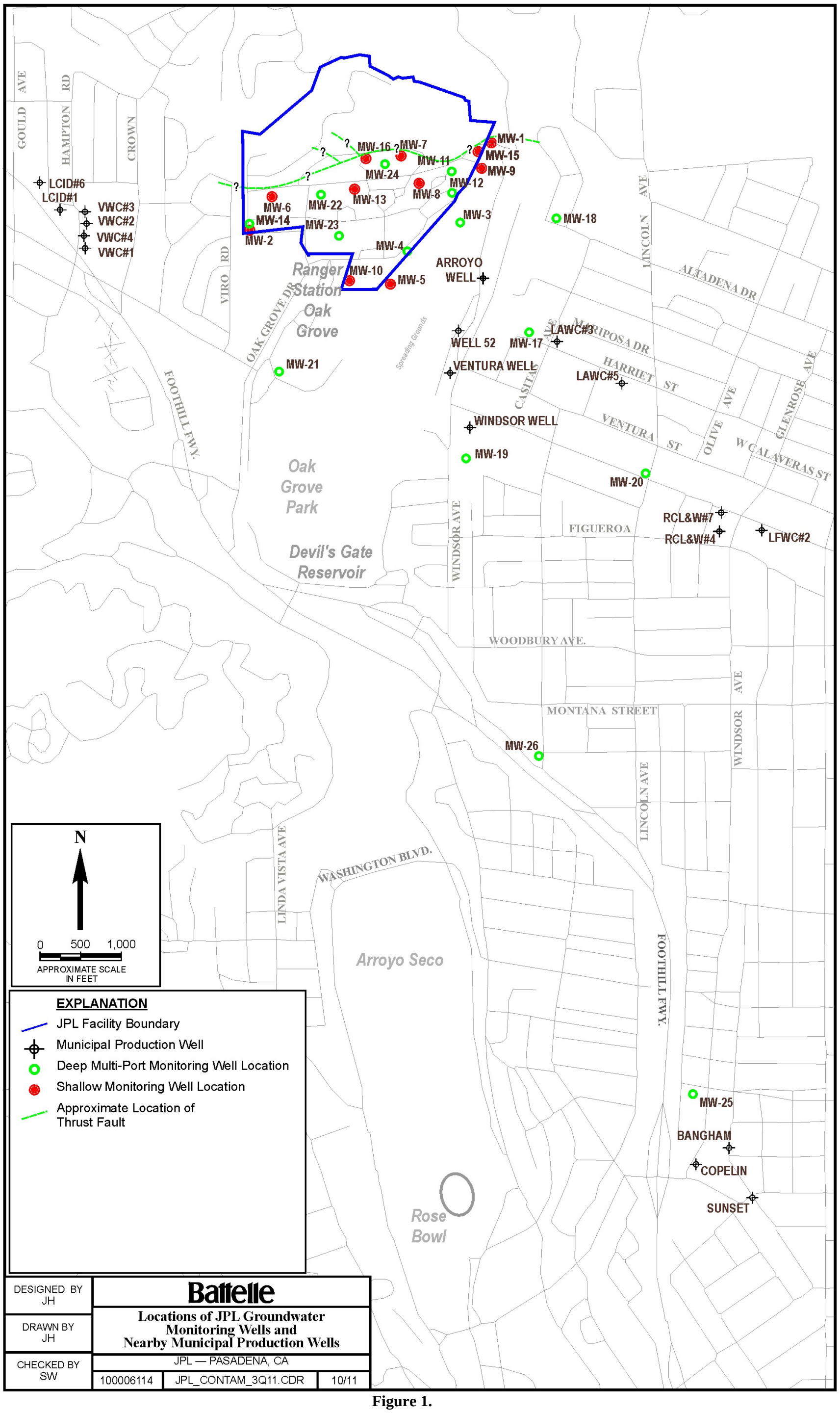
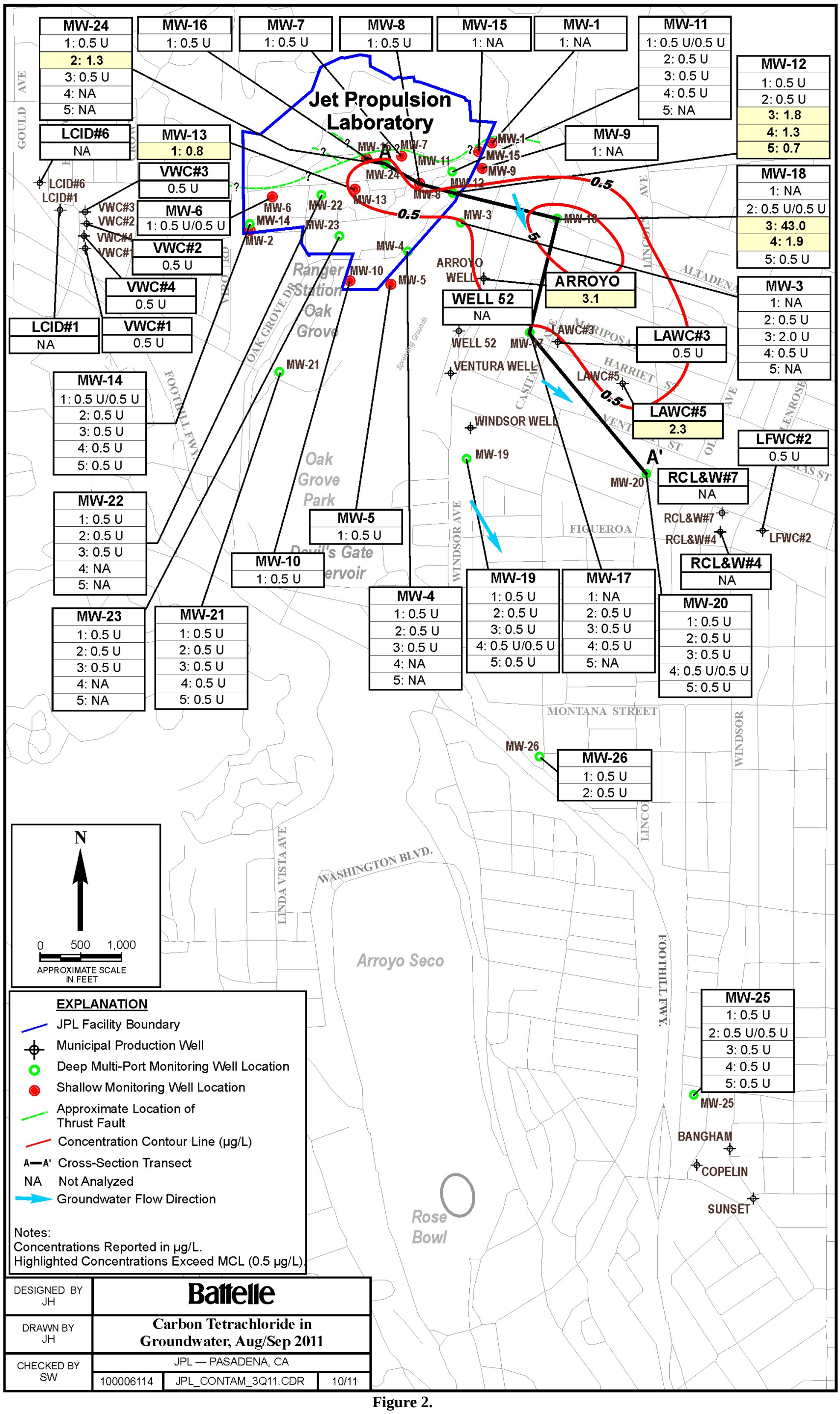

GOULD AVE
HAMPTON RD
CROWN
VIRO RD
OAK GROVE DR
FOOTHILL FWY.
LINCOLN AVE
ALTADENA DR
MARIPOSA DR
HARRIET ST
CASITAS AVE
VENTURA ST
OLIVE AVE
GLENROSE AVE
W CALAVERAS ST
WINDSOR AVE
FIGUEROA
WOODBURY AVE.
MONTANA STREET
WASHINGTON BLVD.
LINDA VISTA AVE
Ranger Station
Oak Grove
Oak Grove Park
Devil's Gate Reservoir
Arroyo Seco
Rose Bowl
Spreading Grounds
LCID#6
LCID#1
VWC#3
VWC#2
VWC#4
VWC#1
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
MW-15
MW-16
MW-17
MW-18
MW-19
MW-20
MW-21
MW-22
MW-23
MW-24
MW-25
MW-26
ARROYO WELL
WELL 52
VENTURA WELL
WINDSOR WELL
LAWC#3
LAWC#5
RCL&W#7
RCL&W#4
LFWC#2
BANGHAM
COPELIN
SUNSET
N
0 500 1,000
APPROXIMATE SCALE IN FEET
EXPLANATION
JPL Facility Boundary
Municipal Production Well
Deep Multi-Port Monitoring Well Location
Shallow Monitoring Well Location
Approximate Location of Thrust Fault
DESIGNED BY JH
DRAWN BY JH
CHECKED BY SW
Battelle
Locations of JPL Groundwater Monitoring Wells and Nearby Municipal Production Wells
JPL — PASADENA, CA
100006114
JPL_CONTAM_3Q11.CDR
10/11

Figure 1.


Jet Propulsion Laboratory
MW-24
1: 0.5 U
2: 1.3
3: 0.5 U
4: NA
5: NA
MW-16
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MW-7
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MW-8
1: 0.5 U
MW-15
1: NA
MW-1
1: NA
MW-11
1: 0.5 U/0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: NA
MW-12
1: 0.5 U
2: 0.5 U
3: 1.8
4: 1.3
5: 0.7
MW-9
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LCID#6
NA
MW-13
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VWC#3
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MW-6
1: 0.5 U/0.5 U
VWC#2
0.5 U
VWC#4
0.5 U
VWC#1
0.5 U
LCID#1
NA
MW-18
1: NA
2: 0.5 U/0.5 U
3: 43.0
4: 1.9
5: 0.5 U
MW-3
1: NA
2: 0.5 U
3: 2.0 U
4: 0.5 U
5: NA
ARROYO
3.1
WELL 52
NA
LAWC#3
0.5 U
LAWC#5
2.3
LFWC#2
0.5 U
RCL&W#7
NA
RCL&W#4
NA
MW-14
1: 0.5 U/0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-22
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: NA
5: NA
MW-23
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2: 0.5 U
3: 0.5 U
4: NA
5: NA
MW-21
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2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-10
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MW-5
1: 0.5 U
MW-4
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2: 0.5 U
3: 0.5 U
4: NA
5: NA
MW-19
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U/0.5 U
5: 0.5 U
MW-17
1: NA
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: NA
MW-20
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U/0.5 U
5: 0.5 U
MW-26
1: 0.5 U
2: 0.5 U
MW-25
1: 0.5 U
2: 0.5 U/0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
A
A'
0.5
5
N
0 500 1,000
APPROXIMATE SCALE IN FEET
EXPLANATION
JPL Facility Boundary
Municipal Production Well
Deep Multi-Port Monitoring Well Location
Shallow Monitoring Well Location
Approximate Location of Thrust Fault
Concentration Contour Line (µg/L)
A—A' Cross-Section Transect
NA Not Analyzed
Groundwater Flow Direction
Notes:
Concentrations Reported in µg/L.
Highlighted Concentrations Exceed MCL (0.5 µg/L).
DESIGNED BY JH
DRAWN BY JH
CHECKED BY SW
Battelle
Carbon Tetrachloride in Groundwater, Aug/Sep 2011
JPL — PASADENA, CA
100006114
JPL_CONTAM_3Q11.CDR
10/11
GOULD AVE
FOOTHILL FWY.
OAK GROVE DR.
Ranger Station
Oak Grove
Oak Grove Park
Devil's Gate Reservoir
Spreading Grounds
ARROYO WELL
WELL 52
VENTURA WELL
WINDSOR WELL
CASITAS AVE
MARIPOSA
HARRIET ST
VENTURA ST
LINCOLN AVE
ALTADENA
OLENROSE
WINDSOR AVE
FIGUEROA
MONTANA STREET
WINDSOR
LINDA VISTA AVE
WASHINGTON BLVD.
Arroyo Seco
Rose Bowl
BANGHAM
COPELIN
SUNSET

Figure 2.

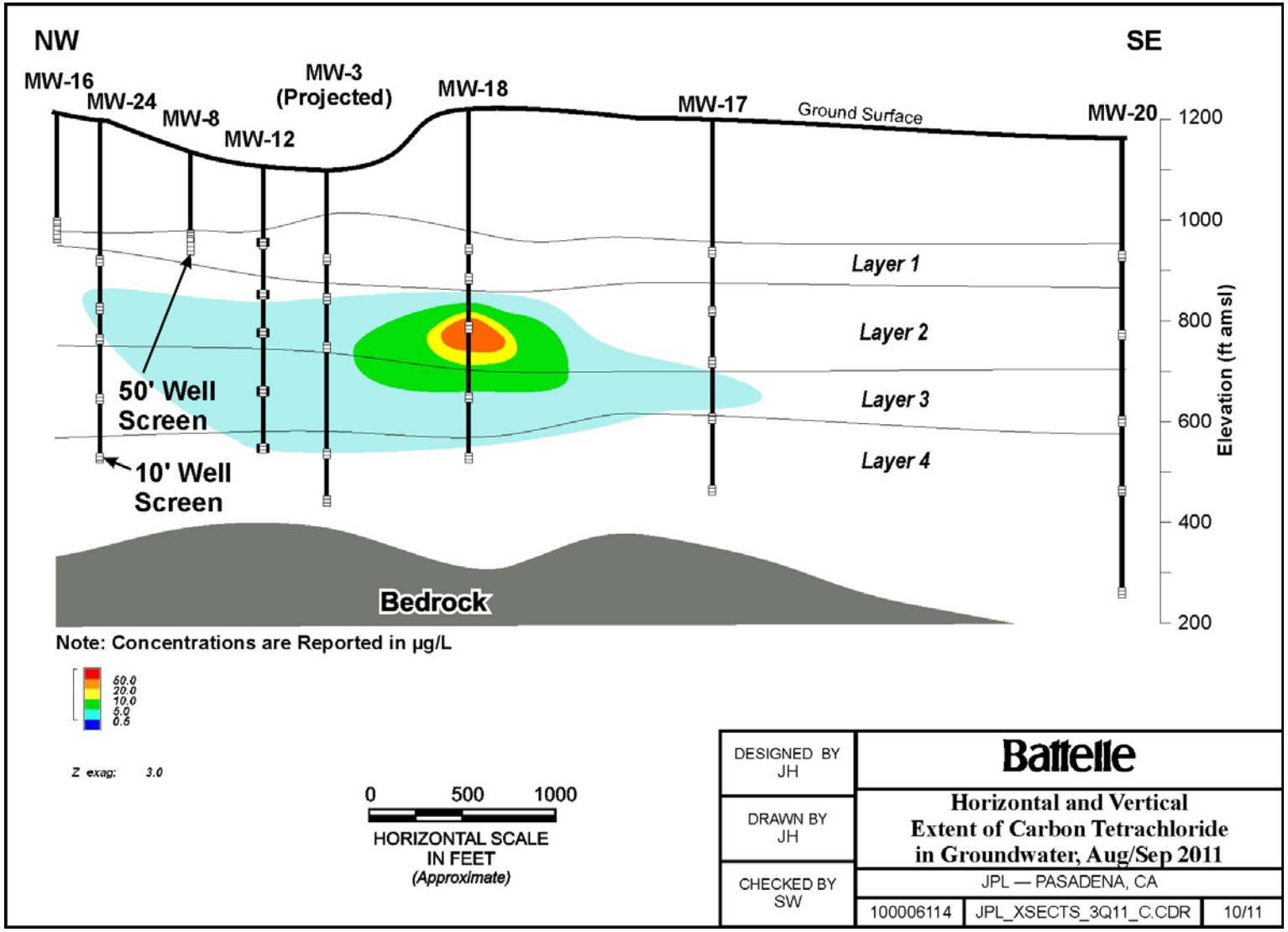
NW
SE
MW-16
MW-24
MW-8
MW-12
MW-3
(Projected)
MW-18
MW-17
Ground Surface
MW-20
1200
1000
800
600
400
200
Elevation (ft amsl)
Layer 1
Layer 2
Layer 3
Layer 4
50' Well
Screen
10' Well
Screen
Bedrock
Note: Concentrations are Reported in µg/L
50.0
20.0
10.0
5.0
0.5
Z exag: 3.0
0
500
1000
HORIZONTAL SCALE
IN FEET
(Approximate)
DESIGNED BY
JH
DRAWN BY
JH
CHECKED BY
SW
Battelle
Horizontal and Vertical
Extent of Carbon Tetrachloride
in Groundwater, Aug/Sep 2011
JPL — PASADENA, CA
100006114
JPL_XSECTS_3Q11_C.CDR
10/11

Figure 3.

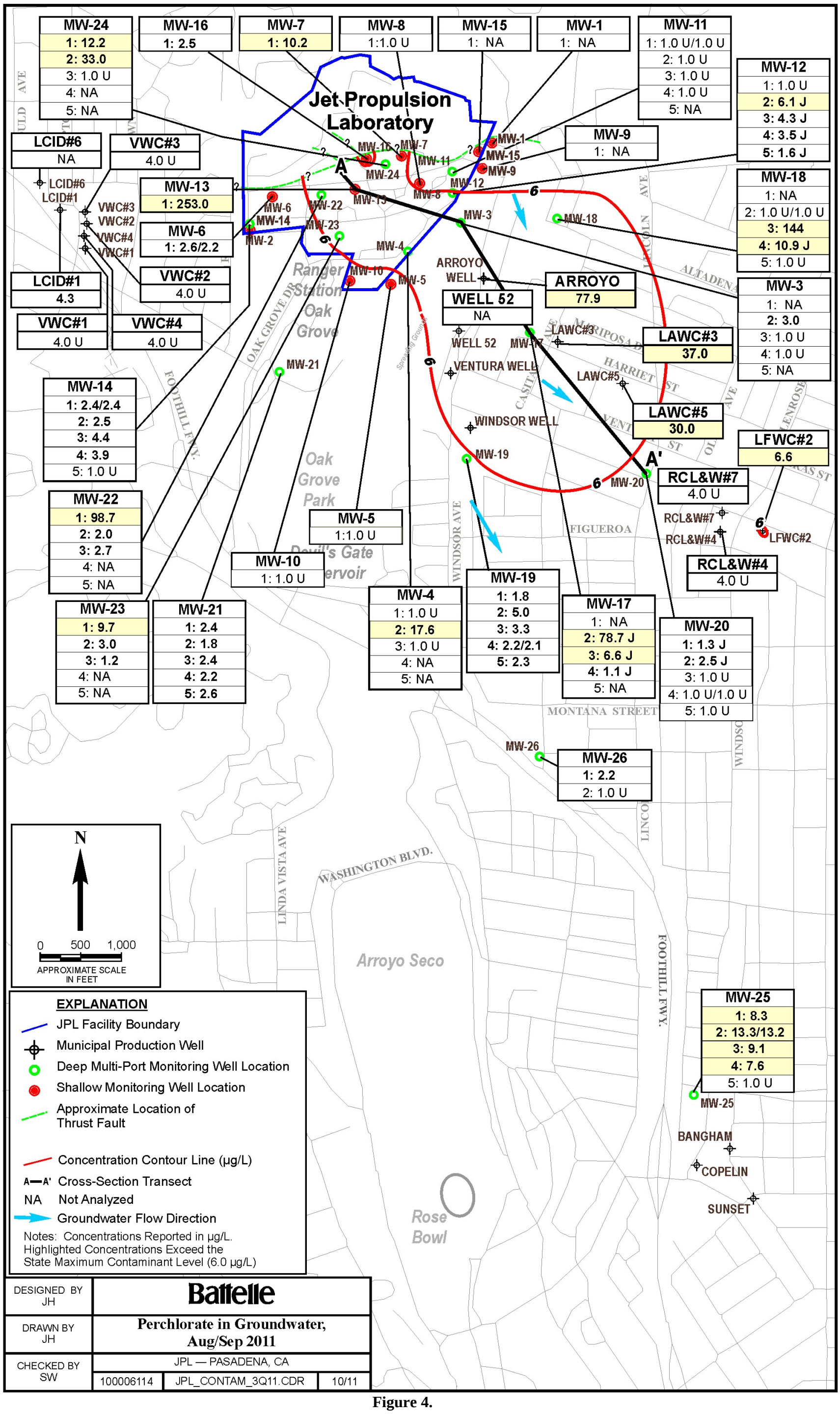
Jet Propulsion Laboratory
MW-24
1: 12.2
2: 33.0
3: 1.0 U
4: NA
5: NA
MW-16
1: 2.5
MW-7
1: 10.2
MW-8
1:1.0 U
MW-15
1: NA
MW-1
1: NA
MW-11
1: 1.0 U/1.0 U
2: 1.0 U
3: 1.0 U
4: 1.0 U
5: NA
MW-12
1: 1.0 U
2: 6.1 J
3: 4.3 J
4: 3.5 J
5: 1.6 J
MW-9
1: NA
LCID#6
NA
VWC#3
4.0 U
MW-13
1: 253.0
MW-6
1: 2.6/2.2
VWC#2
4.0 U
LCID#1
4.3
VWC#1
4.0 U
VWC#4
4.0 U
MW-18
1: NA
2: 1.0 U/1.0 U
3: 144
4: 10.9 J
5: 1.0 U
MW-3
1: NA
2: 3.0
3: 1.0 U
4: 1.0 U
5: NA
ARROYO
77.9
WELL 52
NA
LAWC#3
37.0
LAWC#5
30.0
LFWC#2
6.6
RCL&W#7
4.0 U
RCL&W#4
4.0 U
MW-14
1: 2.4/2.4
2: 2.5
3: 4.4
4: 3.9
5: 1.0 U
MW-22
1: 98.7
2: 2.0
3: 2.7
4: NA
5: NA
MW-5
1:1.0 U
MW-10
1: 1.0 U
MW-23
1: 9.7
2: 3.0
3: 1.2
4: NA
5: NA
MW-21
1: 2.4
2: 1.8
3: 2.4
4: 2.2
5: 2.6
MW-4
1: 1.0 U
2: 17.6
3: 1.0 U
4: NA
5: NA
MW-19
1: 1.8
2: 5.0
3: 3.3
4: 2.2/2.1
5: 2.3
MW-17
1: NA
2: 78.7 J
3: 6.6 J
4: 1.1 J
5: NA
MW-20
1: 1.3 J
2: 2.5 J
3: 1.0 U
4: 1.0 U/1.0 U
5: 1.0 U
MW-26
1: 2.2
2: 1.0 U
MW-25
1: 8.3
2: 13.3/13.2
3: 9.1
4: 7.6
5: 1.0 U
A
A'
Ranger Station
Oak Grove
Oak Grove Park
Devil's Gate Reservoir
Rose Bowl
Arroyo Seco
ARROYO WELL
WELL 52
VENTURA WELL
WINDSOR WELL
OAK GROVE DR.
FOOTHILL FWY.
WINDSOR AVE
FIGUEROA
MONTANA STREET
WASHINGTON BLVD.
LINDA VISTA AVE
HARRIET ST
ALTADENA
BANGHAM
COPELIN
SUNSET
N
0 500 1,000
APPROXIMATE SCALE IN FEET
EXPLANATION
JPL Facility Boundary
Municipal Production Well
Deep Multi-Port Monitoring Well Location
Shallow Monitoring Well Location
Approximate Location of Thrust Fault
Concentration Contour Line (µg/L)
A—A' Cross-Section Transect
NA Not Analyzed
Groundwater Flow Direction
Notes: Concentrations Reported in µg/L.
Highlighted Concentrations Exceed the State Maximum Contaminant Level (6.0 µg/L)
DESIGNED BY JH
DRAWN BY JH
CHECKED BY SW
Battelle
Perchlorate in Groundwater, Aug/Sep 2011
JPL — PASADENA, CA
100006114
JPL_CONTAM_3Q11.CDR
10/11

Figure 4.

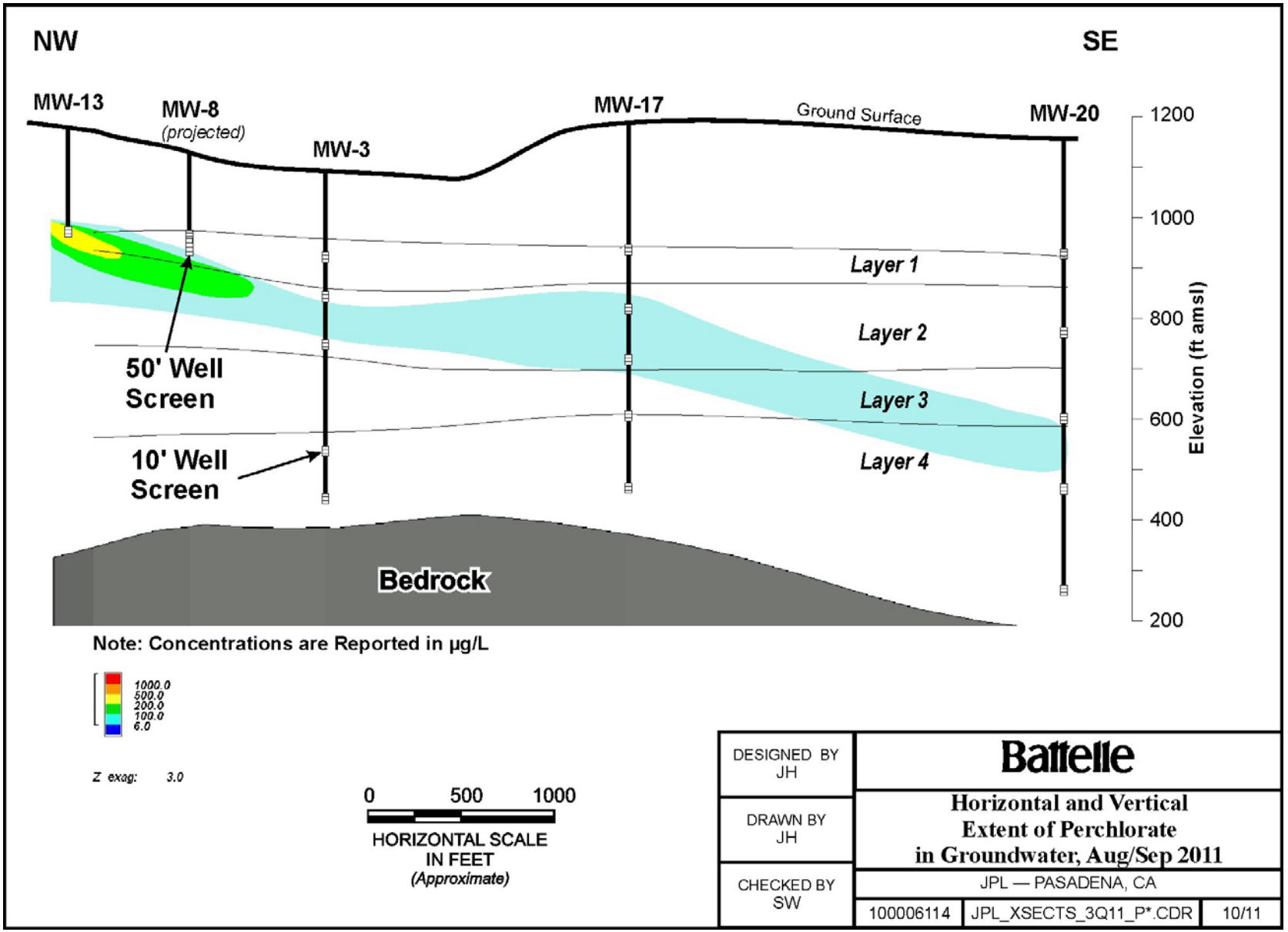
NW
SE
MW-13
MW-8
(projected)
MW-3
MW-17
Ground Surface
MW-20
1200
1000
800
600
400
200
Elevation (ft amsl)
Layer 1
Layer 2
Layer 3
Layer 4
50' Well Screen
10' Well Screen
Bedrock
Note: Concentrations are Reported in µg/L
1000.0
500.0
200.0
100.0
6.0
Z exag: 3.0
0
500
1000
HORIZONTAL SCALE IN FEET
(Approximate)
DESIGNED BY JH
DRAWN BY JH
CHECKED BY SW
Battelle
Horizontal and Vertical Extent of Perchlorate in Groundwater, Aug/Sep 2011
JPL — PASADENA, CA
100006114
JPL_XSECTS_3Q11_P*.CDR
10/11

Figure 5.

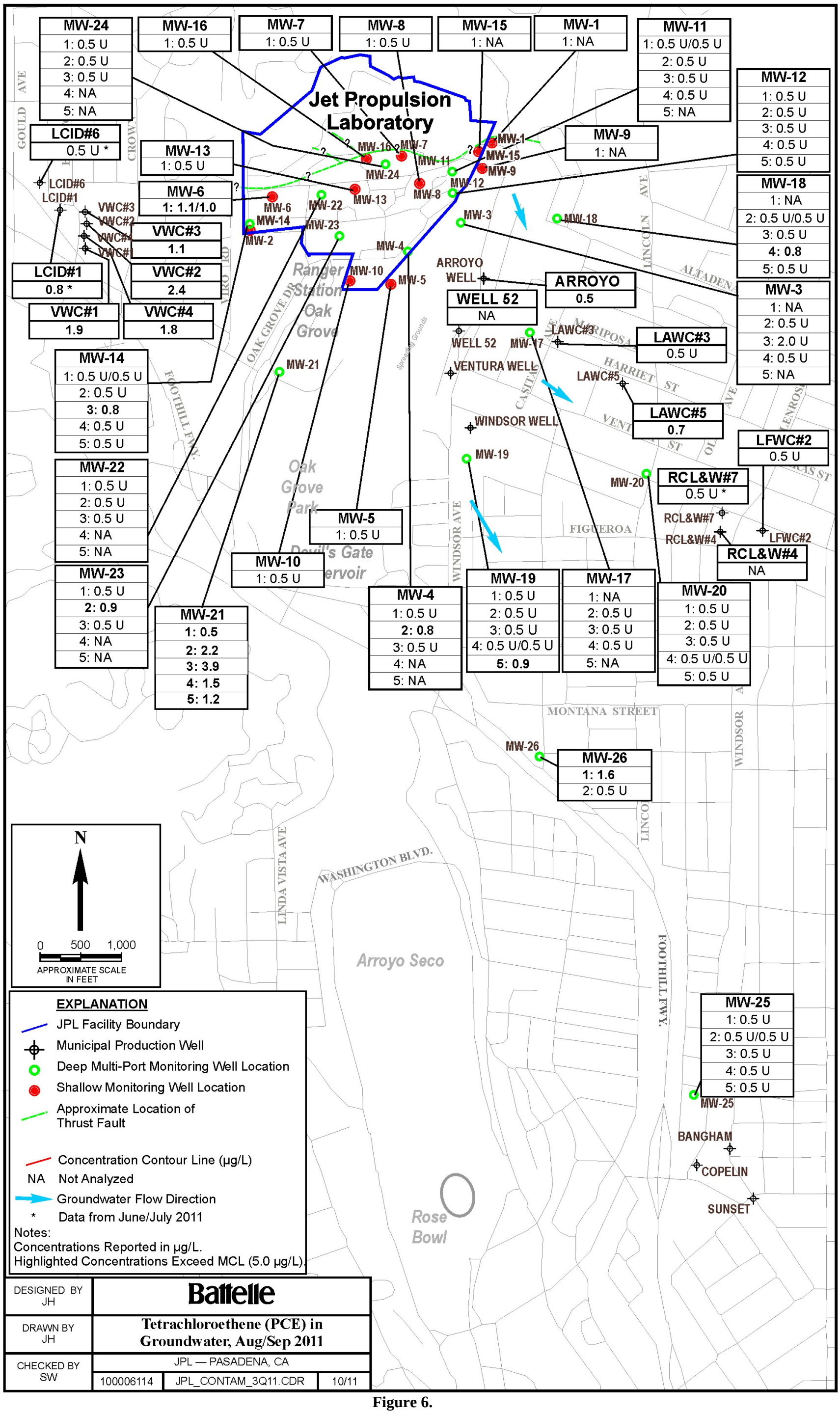
Jet Propulsion Laboratory
MW-24
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: NA
5: NA
MW-16
1: 0.5 U
MW-7
1: 0.5 U
MW-8
1: 0.5 U
MW-15
1: NA
MW-1
1: NA
MW-11
1: 0.5 U/0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: NA
MW-12
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-9
1: NA
LCID#6
0.5 U *
MW-13
1: 0.5 U
MW-6
1: 1.1/1.0
VWC#3
1.1
VWC#2
2.4
LCID#1
0.8 *
VWC#1
1.9
VWC#4
1.8
MW-18
1: NA
2: 0.5 U/0.5 U
3: 0.5 U
4: 0.8
5: 0.5 U
MW-3
1: NA
2: 0.5 U
3: 2.0 U
4: 0.5 U
5: NA
ARROYO
0.5
WELL 52
NA
LAWC#3
0.5 U
LAWC#5
0.7
LFWC#2
0.5 U
RCL&W#7
0.5 U *
RCL&W#4
NA
MW-14
1: 0.5 U/0.5 U
2: 0.5 U
3: 0.8
4: 0.5 U
5: 0.5 U
MW-22
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: NA
5: NA
MW-23
1: 0.5 U
2: 0.9
3: 0.5 U
4: NA
5: NA
MW-21
1: 0.5
2: 2.2
3: 3.9
4: 1.5
5: 1.2
MW-10
1: 0.5 U
MW-5
1: 0.5 U
MW-4
1: 0.5 U
2: 0.8
3: 0.5 U
4: NA
5: NA
MW-19
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U/0.5 U
5: 0.9
MW-17
1: NA
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: NA
MW-20
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U/0.5 U
5: 0.5 U
MW-26
1: 1.6
2: 0.5 U
MW-25
1: 0.5 U
2: 0.5 U/0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
Ranger Station Oak Grove
Oak Grove Park
Devil's Gate Reservoir
Arroyo Seco
Rose Bowl
Spreading Grounds
GOULD AVE
OAK GROVE DR.
VITRO RD
FOOTHILL FWY.
WINDSOR AVE
LINCOLN AVE
ALTADENA
MONTANA STREET
WASHINGTON BLVD.
LINDA VISTA AVE
FIGUEROA
HARRIET ST
MARIPOSA
CASITAS AVE
VENTURA ST
OLIVE AVE
ARROYO WELL
WELL 52
VENTURA WELL
WINDSOR WELL
LAWC#3
LAWC#5
RCL&W#7
RCL&W#4
LFWC#2
BANGHAM
COPELIN
SUNSET
LCID#6
LCID#1
VWC#3
VWC#2
VWC#4
VWC#1
MW-6
MW-14
MW-2
MW-22
MW-23
MW-13
MW-16
MW-7
MW-11
MW-24
MW-8
MW-15
MW-1
MW-9
MW-12
MW-3
MW-18
MW-4
MW-10
MW-5
MW-21
MW-19
MW-17
MW-20
MW-26
MW-25
WELL 52
MW-17
LAWC#5
WINDSOR WELL
MW-19
MW-20
RCL&W#7
RCL&W#4
LFWC#2
N
0 500 1,000
APPROXIMATE SCALE IN FEET
EXPLANATION
JPL Facility Boundary
Municipal Production Well
Deep Multi-Port Monitoring Well Location
Shallow Monitoring Well Location
Approximate Location of Thrust Fault
Concentration Contour Line (µg/L)
NA Not Analyzed
Groundwater Flow Direction
* Data from June/July 2011
Notes:
Concentrations Reported in µg/L.
Highlighted Concentrations Exceed MCL (5.0 µg/L).
DESIGNED BY JH
DRAWN BY JH
CHECKED BY SW
Battelle
Tetrachloroethene (PCE) in Groundwater, Aug/Sep 2011
JPL — PASADENA, CA
100006114
JPL_CONTAM_3Q11.CDR
10/11

Figure 6.

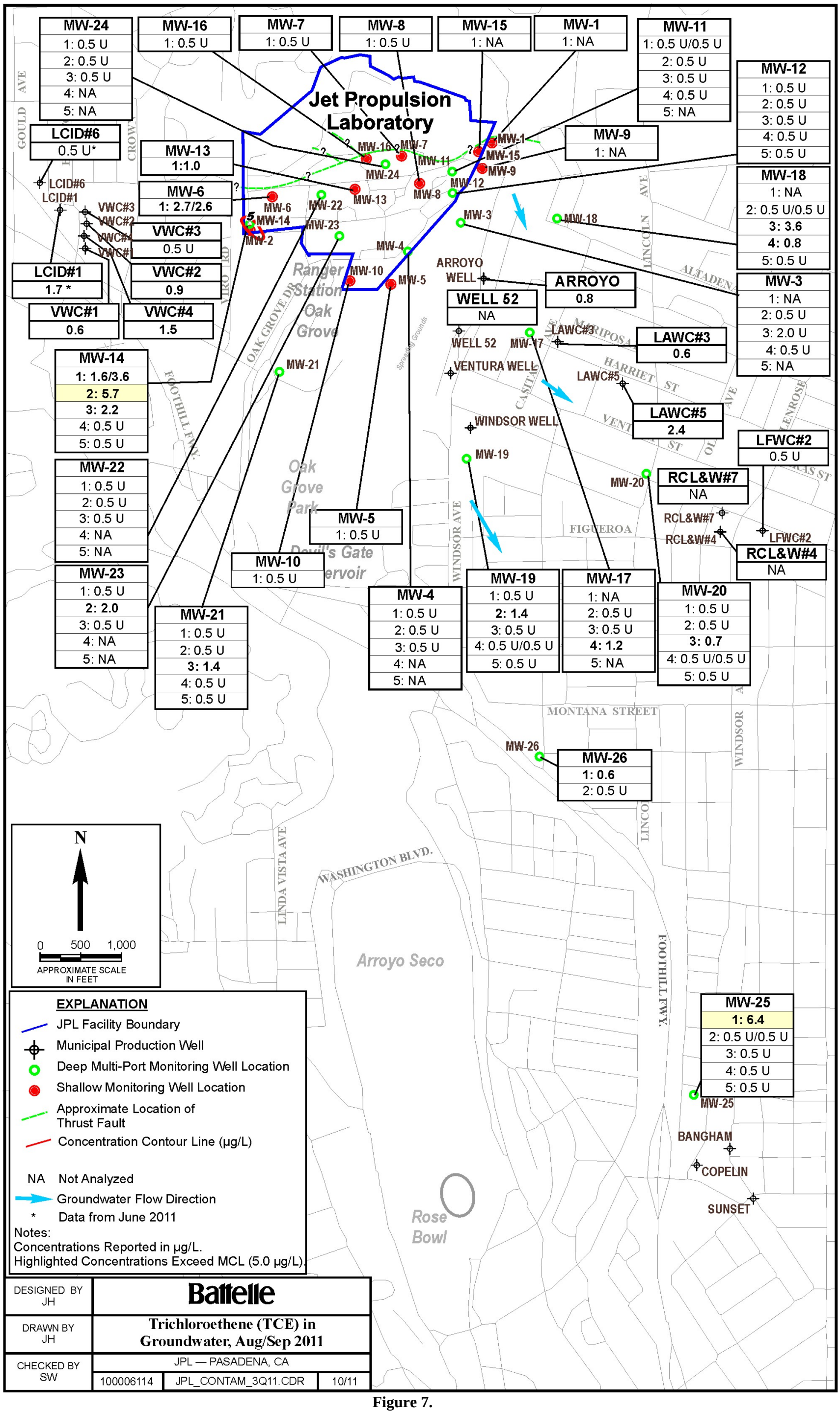
Jet Propulsion Laboratory
MW-24
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: NA
5: NA
MW-16
1: 0.5 U
MW-7
1: 0.5 U
MW-8
1: 0.5 U
MW-15
1: NA
MW-1
1: NA
MW-11
1: 0.5 U/0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: NA
MW-12
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-9
1: NA
MW-18
1: NA
2: 0.5 U/0.5 U
3: 3.6
4: 0.8
5: 0.5 U
MW-3
1: NA
2: 0.5 U
3: 2.0 U
4: 0.5 U
5: NA
LCID#6
0.5 U*
LCID#1
1.7 *
MW-13
1:1.0
MW-6
1: 2.7/2.6
VWC#3
0.5 U
VWC#2
0.9
VWC#1
0.6
VWC#4
1.5
MW-14
1: 1.6/3.6
2: 5.7
3: 2.2
4: 0.5 U
5: 0.5 U
MW-22
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: NA
5: NA
MW-23
1: 0.5 U
2: 2.0
3: 0.5 U
4: NA
5: NA
MW-21
1: 0.5 U
2: 0.5 U
3: 1.4
4: 0.5 U
5: 0.5 U
MW-10
1: 0.5 U
MW-5
1: 0.5 U
MW-4
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: NA
5: NA
MW-19
1: 0.5 U
2: 1.4
3: 0.5 U
4: 0.5 U/0.5 U
5: 0.5 U
MW-17
1: NA
2: 0.5 U
3: 0.5 U
4: 1.2
5: NA
MW-20
1: 0.5 U
2: 0.5 U
3: 0.7
4: 0.5 U/0.5 U
5: 0.5 U
ARROYO
0.8
WELL 52
NA
LAWC#3
0.6
LAWC#5
2.4
LFWC#2
0.5 U
RCL&W#7
NA
RCL&W#4
NA
MW-26
1: 0.6
2: 0.5 U
MW-25
1: 6.4
2: 0.5 U/0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
Ranger Station
Oak Grove
Oak Grove Park
Devil's Gate Reservoir
Arroyo Seco
Rose Bowl
Spreading Grounds
GOULD AVE
CROWN
VITRO RD
OAK GROVE DR
FOOTHILL FWY.
WINDSOR AVE
LINCOLN AVE
ALTADENA
MONTANA STREET
WASHINGTON BLVD.
LINDA VISTA AVE
CASITAS AVE
MARIPOSA
HARRIET ST
VENTURA ST
FIGUEROA
ARROYO WELL
WELL 52
VENTURA WELL
WINDSOR WELL
BANGHAM
COPELIN
SUNSET
N
0 500 1,000
APPROXIMATE SCALE IN FEET
EXPLANATION
JPL Facility Boundary
Municipal Production Well
Deep Multi-Port Monitoring Well Location
Shallow Monitoring Well Location
Approximate Location of Thrust Fault
Concentration Contour Line (µg/L)
NA Not Analyzed
Groundwater Flow Direction
* Data from June 2011
Notes:
Concentrations Reported in µg/L.
Highlighted Concentrations Exceed MCL (5.0 µg/L).
DESIGNED BY JH
DRAWN BY JH
CHECKED BY SW
Battelle
Trichloroethene (TCE) in Groundwater, Aug/Sep 2011
JPL — PASADENA, CA
100006114
JPL_CONTAM_3Q11.CDR
10/11

Figure 7.

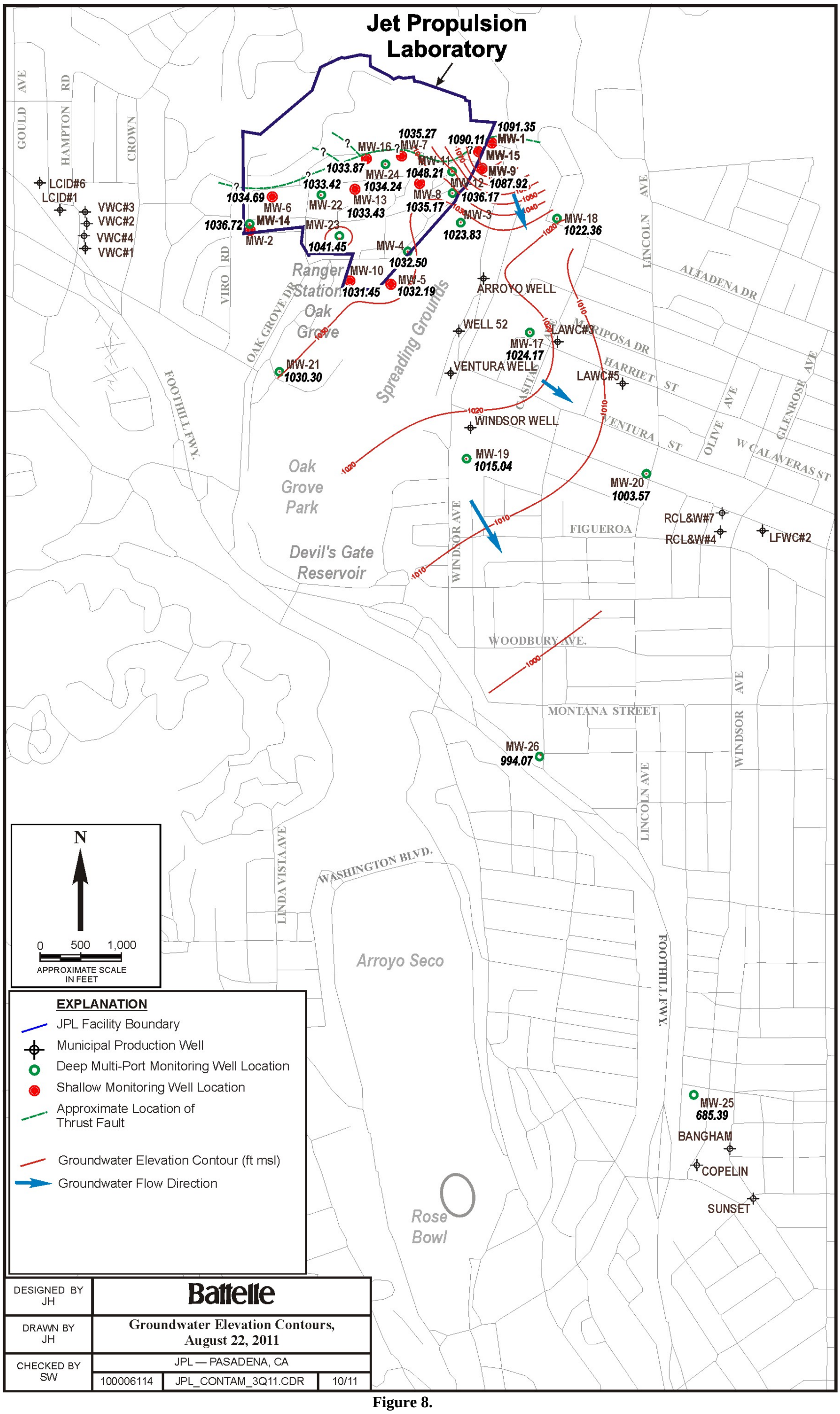
Jet Propulsion Laboratory
1091.35
MW-1
1090.11
MW-15
MW-9
1087.92
MW-12
1035.27
MW-7
MW-16
1033.87
MW-24
1048.21
MW-11
1034.24
MW-13
1033.43
MW-8
1035.17
1036.17
MW-3
1023.83
MW-18
1022.36
1034.69
MW-6
1033.42
MW-22
1036.72
MW-14
MW-2
MW-23
1041.45
MW-4
1032.50
MW-10
1031.45
MW-5
1032.19
LCID#6
LCID#1
VWC#3
VWC#2
VWC#4
VWC#1
ARROYO WELL
WELL 52
LAWC#3
MW-17
1024.17
VENTURA WELL
LAWC#5
MW-21
1030.30
WINDSOR WELL
MW-19
1015.04
MW-20
1003.57
RCL&W#7
RCL&W#4
LFWC#2
MW-26
994.07
MW-25
685.39
BANGHAM
COPELIN
SUNSET
Ranger Station
Oak Grove
Spreading Grounds
Oak Grove Park
Devil's Gate Reservoir
Arroyo Seco
Rose Bowl
GOULD AVE
HAMPTON RD
CROWN
VIRO RD
OAK GROVE DR
FOOTHILL FWY.
LINDA VISTA AVE
WINDSOR AVE
LINCOLN AVE
CASITAS AVE
ALTADENA DR
MARIPOSA DR
HARRIET ST
VENTURA ST
OLIVE AVE
GLENROSE AVE
W CALAVERAS ST
FIGUEROA
WOODBURY AVE.
MONTANA STREET
WASHINGTON BLVD.
1020
1010
1000
1030
1040
1050
N
0 500 1,000
APPROXIMATE SCALE IN FEET
EXPLANATION
JPL Facility Boundary
Municipal Production Well
Deep Multi-Port Monitoring Well Location
Shallow Monitoring Well Location
Approximate Location of Thrust Fault
Groundwater Elevation Contour (ft msl)
Groundwater Flow Direction
DESIGNED BY JH
DRAWN BY JH
CHECKED BY SW
Battelle
Groundwater Elevation Contours, August 22, 2011
JPL — PASADENA, CA
100006114
JPL_CONTAM_3Q11.CDR
10/11

Figure 8.

TABLES

TABLE 1

SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED

DURING THE LAST FOUR SAMPLING EVENTS OF THE LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM

(All concentrations reported in µg/L.)

(Shaded values exceed State or Federal MCLs or action levels.)

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-1	Oct/Nov 2010	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-1	Apr/May 2011	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-1	Apr/May 2011	DUPE-5-2Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-3 Screen 1	Oct/Nov 2010	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-3 Screen 1	Oct/Nov 2010	DUPE-04-4Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-3 Screen 1	Apr/May 2011	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-3 Screen 2	Oct/Nov 2010	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**	**180.0**	**Bromodichloromethane**	**0.7**
MW-3 Screen 2	Feb/Mar 2011	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**45.8**		
MW-3 Screen 2	Apr/May 2011	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**12.9**		
MW-3 Screen 2	Aug/Sep 2011	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.0**		
MW-3 Screen 3	Oct/Nov 2010	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-3 Screen 3	Feb/Mar 2011	MW-3-3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U		
MW-3 Screen 3	Apr/May 2011	MW-3-3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
MW-3 Screen 3	Aug/Sep 2011	MW-3-3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U		
MW-3 Screen 4	Oct/Nov 2010	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-3 Screen 4	Feb/Mar 2011	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-3 Screen 4	Apr/May 2011	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-3 Screen 4	Aug/Sep 2011	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-3 Screen 5	Oct/Nov 2010	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-3 Screen 5	Apr/May 2011	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 1	Oct/Nov 2010	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 1	Feb/Mar 2011	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 1	Apr/May 2011	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	**NDMA**	**0.0 J**
MW-4 Screen 1	Aug/Sep 2011	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 2	Oct/Nov 2010	MW-4-2	0.5 U	**0.6**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.7**		
MW-4 Screen 2	Feb/Mar 2011	MW-4-2	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**23.0**		
MW-4 Screen 2	Feb/Mar 2011	DUPE-04-1Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**22.5**		
MW-4 Screen 2	Apr/May 2011	MW-4-2	0.5 U	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**31.7**		
MW-4 Screen 2	Aug/Sep 2011	MW-4-2	0.5 U	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**17.6**		
MW-4 Screen 3	Oct/Nov 2010	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 3	Feb/Mar 2011	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 3	Apr/May 2011	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 3	Aug/Sep 2011	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 4	Oct/Nov 2010	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-4 Screen 4	Apr/May 2011	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 5	Oct/Nov 2010	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 5	Apr/May 2011	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-5	Oct/Nov 2010	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-5	Feb/Mar 2011	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-5	Apr/May 2011	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-5	Apr/May 2011	DUPE-6-2Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-5	Aug/Sep 2011	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-6	Oct/Nov 2010	MW-6	0.5 U	**3.0**	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**3.3**		
MW-6	Feb/Mar 2011	MW-6	0.5 U	**4.0**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**3.1**		
MW-6	Apr/May 2011	MW-6	0.5 U	**3.4**	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.5**		
MW-6	Apr/May 2011	DUPE-7-2Q11	0.5 U	**3.6**	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.5**		
MW-6	Aug/Sep 2011	MW-6	0.5 U	**2.7**	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.6**		
MW-6	Aug/Sep 2011	DUPE-7-3Q11	0.5 U	**2.6**	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**2.2**		
MW-7	Oct/Nov 2010	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.7**	**9.7**	**Bromodichloromethane** **Dibromochloromethane**	**4.5** **2.0**
MW-7	Feb/Mar 2011	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**15.0**	**3.1**	**Bromodichloromethane**	**8.7**
MW-7	Apr/May 2011	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**16.0**	**2.9**	**Bromodichloromethane**	**3.2**
MW-7	Aug/Sep 2011	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**11.0**	**10.2**	**Bromodichloromethane**	**1.2**
MW-8	Oct/Nov 2010	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-8	Feb/Mar 2011	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-8	Apr/May 2011	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-8	Apr/May 2011	DUPE-8-2Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-8	Aug/Sep 2011	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-9	Oct/Nov 2010	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-9	Apr/May 2011	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-10	Oct/Nov 2010	MW-10	0.5 U	**3.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.2**	**75.9**		
MW-10	Feb/Mar 2011	MW-10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.1**		
MW-10	Feb/Mar 2011	DUPE-7-1Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-10	Apr/May 2011	MW-10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-10	Aug/Sep 2011	MW-10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 1	Oct/Nov 2010	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 1	Feb/Mar 2011	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 1	Apr/May 2011	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 1	Aug/Sep 2011	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 1	Aug/Sep 2011	DUPE-06-3Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 2	Oct/Nov 2010	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 2	Feb/Mar 2011	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 2	Apr/May 2011	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 2	Aug/Sep 2011	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-11 Screen 3	Oct/Nov 2010	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 3	Feb/Mar 2011	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 3	Apr/May 2011	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.7**		
MW-11 Screen 3	Aug/Sep 2011	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 4	Oct/Nov 2010	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 4	Feb/Mar 2011	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 4	Apr/May 2011	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 4	Aug/Sep 2011	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 5	Oct/Nov 2010	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-11 Screen 5	Apr/May 2011	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-12 Screen 1	Oct/Nov 2010	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-12 Screen 1	Feb/Mar 2011	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-12 Screen 1	Apr/May 2011	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-12 Screen 1	Aug/Sep 2011	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-12 Screen 2	Oct/Nov 2010	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.1 J**		
MW-12 Screen 2	Feb/Mar 2011	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.7**		
MW-12 Screen 2	Apr/May 2011	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.4**		
MW-12 Screen 2	Aug/Sep 2011	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.1 J**		
MW-12 Screen 3	Oct/Nov 2010	MW-12-3	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	**1.8 J**		
MW-12 Screen 3	Oct/Nov 2010	DUPE-05-4Q10	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**1.6 J**		
MW-12 Screen 3	Feb/Mar 2011	MW-12-3	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**4.9**		
MW-12 Screen 3	Apr/May 2011	MW-12-3	**1.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	**4.2**		
MW-12 Screen 3	Aug/Sep 2011	MW-12-3	**1.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**4.3 J**		
MW-12 Screen 4	Oct/Nov 2010	MW-12-4	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**3.3 J**		
MW-12 Screen 4	Feb/Mar 2011	MW-12-4	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**3.5**		
MW-12 Screen 4	Feb/Mar 2011	DUPE-06-1Q11	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**3.4**		
MW-12 Screen 4	Apr/May 2011	MW-12-4	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.8**		
MW-12 Screen 4	Aug/Sep 2011	MW-12-4	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**3.5 J**		
MW-12 Screen 5	Oct/Nov 2010	MW-12-5	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.9 J**		
MW-12 Screen 5	Feb/Mar 2011	MW-12-5	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.3**		
MW-12 Screen 5	Apr/May 2011	MW-12-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.9**		
MW-12 Screen 5	Aug/Sep 2011	MW-12-5	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.6 J**		
MW-13	Oct/Nov 2010	MW-13	**0.9**	**1.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.8**	**823.0**	**Bromodichloromethane** **Bromoform** **Dibromochloromethane**	**1.6** **0.8** **1.5**
MW-13	Feb/Mar 2011	MW-13	**0.6**	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**	**167.0**		
MW-13	Apr/May 2011	MW-13	**0.5**	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.4**	**81.8**	**1,4-Dioxane**	**0.9 J**
MW-13	Aug/Sep 2011	MW-13	**0.8**	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.3**	**253.0**		
MW-14 Screen 1	Oct/Nov 2010	MW-14-1	0.5 U	**3.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.7**		
MW-14 Screen 1	Feb/Mar 2011	MW-14-1	0.5 U	**2.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.5**		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-14 Screen 1	Feb/Mar 2011	DUPE-02-1Q11	0.5 U	**2.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.0**		
MW-14 Screen 1	Apr/May 2011	MW-14-1	0.5 U	**2.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.9**		
MW-14 Screen 1	Aug/Sep 2011	MW-14-1	0.5 U	**1.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.4**		
MW-14 Screen 1	Aug/Sep 2011	DUPE-02-3Q11	0.5 U	**3.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**2.4**		
MW-14 Screen 2	Oct/Nov 2010	MW-14-2	0.5 U	**4.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-14 Screen 2	Oct/Nov 2010	DUPE-02-4Q10	0.5 U	**3.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.8**		
MW-14 Screen 2	Feb/Mar 2011	MW-14-2	0.5 U	**7.3**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**3.6**		
MW-14 Screen 2	Apr/May 2011	MW-14-2	0.5 U	**3.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.4**		
MW-14 Screen 2	Aug/Sep 2011	MW-14-2	0.5 U	**5.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**2.5**		
MW-14 Screen 3	Oct/Nov 2010	MW-14-3	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.0**		
MW-14 Screen 3	Feb/Mar 2011	MW-14-3	0.5 U	**2.3**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**5.6**		
MW-14 Screen 3	Apr/May 2011	MW-14-3	0.5 U	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.5**		
MW-14 Screen 3	Aug/Sep 2011	MW-14-3	0.5 U	**2.2**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**4.4**		
MW-14 Screen 4	Oct/Nov 2010	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.5**		
MW-14 Screen 4	Feb/Mar 2011	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.0**		
MW-14 Screen 4	Apr/May 2011	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.9**		
MW-14 Screen 4	Aug/Sep 2011	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.9**		
MW-14 Screen 5	Oct/Nov 2010	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-14 Screen 5	Feb/Mar 2011	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-14 Screen 5	Apr/May 2011	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-14 Screen 5	Aug/Sep 2011	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-15	Oct/Nov 2010	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-15	Apr/May 2011	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-16	Oct/Nov 2010	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**17.0**	1.0 U	**Bromodichloromethane** **Bromoform** **Dibromochloromethane**	**20.0** **3.3** **15.0**
MW-16	Feb/Mar 2011	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**10.0**	1.0 U	**Bromodichloromethane** **Bromoform** **Dibromochloromethane**	**16.0** **5.0** **17.0**
MW-16	Apr/May 2011	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.6**	**2.4**	**1,4-Dioxane** **Bromodichloromethane** **Bromoform** **Dibromochloromethane**	**0.8 J** **6.6** **1.1** **3.6**
MW-16	Aug/Sep 2011	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**8.9**	**2.5**	**Bromodichloromethane** **Bromoform** **Dibromochloromethane**	**8.0** **2.6** **5.8**
MW-17 Screen 1	Oct/Nov 2010	MW-17-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 1	Apr/May 2011	MW-17-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	1.0 U		
MW-17 Screen 2	Oct/Nov 2010	MW-17-2	0.5 U	**0.8**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.3**		
MW-17 Screen 2	Feb/Mar 2011	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**24.1**		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-17 Screen 2	Apr/May 2011	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**76.0**		
MW-17 Screen 2	Aug/Sep 2011	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**78.7 J**		
MW-17 Screen 3	Oct/Nov 2010	MW-17-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**9.2**		
MW-17 Screen 3	Feb/Mar 2011	MW-17-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**8.5**		
MW-17 Screen 3	Apr/May 2011	MW-17-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.1**		
MW-17 Screen 3	Aug/Sep 2011	MW-17-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.6 J**		
MW-17 Screen 4	Oct/Nov 2010	MW-17-4	0.5 U	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 4	Feb/Mar 2011	MW-17-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.8**		
MW-17 Screen 4	Apr/May 2011	MW-17-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.0**		
MW-17 Screen 4	Aug/Sep 2011	MW-17-4	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.1 J**		
MW-17 Screen 5	Oct/Nov 2010	MW-17-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 5	Apr/May 2011	MW-17-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 1	Oct/Nov 2010	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 1	Apr/May 2011	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 2	Oct/Nov 2010	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.9**		
MW-18 Screen 2	Feb/Mar 2011	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 2	Apr/May 2011	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 2	Aug/Sep 2011	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 2	Aug/Sep 2011	DUPE-03-3Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 3	Oct/Nov 2010	MW-18-3	**20.0**	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**	**65.2**		
MW-18 Screen 3	Feb/Mar 2011	MW-18-3	**6.6**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	**53.5**		
MW-18 Screen 3	Feb/Mar 2011	DUPE-03-1Q11	**7.4**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.4**	**54.2**		
MW-18 Screen 3	Apr/May 2011	MW-18-3	**9.6**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.5**	**54.8**		
MW-18 Screen 3	Aug/Sep 2011	MW-18-3	**43.0**	**3.6**	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**4.7**	**144.0**		
MW-18 Screen 4	Oct/Nov 2010	MW-18-4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**30.0**	**Methyl-tert-butyl ether (MTBE)** **Styrene**	**2.0** **2.7**
MW-18 Screen 4	Feb/Mar 2011	MW-18-4	**12.0**	**1.5**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**2.4**	**46.8**		
MW-18 Screen 4	Apr/May 2011	MW-18-4	**3.3**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.4**	**38.3**		
MW-18 Screen 4	Aug/Sep 2011	MW-18-4	**1.9**	**0.8**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**10.9 J**		
MW-18 Screen 5	Oct/Nov 2010	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 5	Feb/Mar 2011	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 5	Apr/May 2011	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 5	Aug/Sep 2011	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-19 Screen 1	Oct/Nov 2010	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**9.0 J**		
MW-19 Screen 1	Feb/Mar 2011	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.4**		
MW-19 Screen 1	Apr/May 2011	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.6**		
MW-19 Screen 1	Aug/Sep 2011	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.8**		
MW-19 Screen 2	Oct/Nov 2010	MW-19-2	0.5 U	**1.6**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.0 J**		
MW-19 Screen 2	Feb/Mar 2011	MW-19-2	0.5 U	**2.1**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.0**		
MW-19 Screen 2	Apr/May 2011	MW-19-2	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.1**		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-19 Screen 2	Aug/Sep 2011	MW-19-2	0.5 U	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.0**		
MW-19 Screen 3	Oct/Nov 2010	MW-19-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.6 J**		
MW-19 Screen 3	Feb/Mar 2011	MW-19-3	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.9**		
MW-19 Screen 3	Apr/May 2011	MW-19-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.1**		
MW-19 Screen 3	Apr/May 2011	DUPE-3-2Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.8**		
MW-19 Screen 3	Aug/Sep 2011	MW-19-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.3**		
MW-19 Screen 4	Oct/Nov 2010	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.2 J**		
MW-19 Screen 4	Feb/Mar 2011	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.2**		
MW-19 Screen 4	Apr/May 2011	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.2**		
MW-19 Screen 4	Aug/Sep 2011	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.2**		
MW-19 Screen 4	Aug/Sep 2011	DUPE-01-3Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**		
MW-19 Screen 5	Oct/Nov 2010	MW-19-5	0.5 U	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.3 J**		
MW-19 Screen 5	Feb/Mar 2011	MW-19-5	0.5 U	0.5 U	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.9**		
MW-19 Screen 5	Apr/May 2011	MW-19-5	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.2**		
MW-19 Screen 5	Aug/Sep 2011	MW-19-5	0.5 U	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.3**		
MW-20 Screen 1	Oct/Nov 2010	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 1	Feb/Mar 2011	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 1	Apr/May 2011	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 1	Aug/Sep 2011	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.3 J**		
MW-20 Screen 2	Oct/Nov 2010	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.7 J**		
MW-20 Screen 2	Feb/Mar 2011	MW-20-2	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.8**		
MW-20 Screen 2	Apr/May 2011	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.8**		
MW-20 Screen 2	Aug/Sep 2011	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.5 J**		
MW-20 Screen 3	Oct/Nov 2010	MW-20-3	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 3	Feb/Mar 2011	MW-20-3	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 3	Apr/May 2011	MW-20-3	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 3	Aug/Sep 2011	MW-20-3	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 4	Oct/Nov 2010	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 4	Feb/Mar 2011	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 4	Apr/May 2011	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**15.1**		
MW-20 Screen 4	Apr/May 2011	DUPE-2-2Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**15.8**		
MW-20 Screen 4	Aug/Sep 2011	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 4	Aug/Sep 2011	DUPE-04-3Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 5	Oct/Nov 2010	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	**Styrene**	**0.8**
MW-20 Screen 5	Feb/Mar 2011	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 5	Apr/May 2011	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.2**		
MW-20 Screen 5	Aug/Sep 2011	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-21 Screen 1	Oct/Nov 2010	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	**2.4**		
MW-21 Screen 1	Feb/Mar 2011	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	**2.9**		
MW-21 Screen 1	Apr/May 2011	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**2.6**		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-21 Screen 1	Aug/Sep 2011	MW-21-1	0.5 U	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**2.4**		
MW-21 Screen 2	Oct/Nov 2010	MW-21-2	0.5 U	0.5 U	**4.0**	0.5 U	0.5 U	0.5 U	0.5 U	**4.0**	**2.5**	**cis-1,2-Dichloroethene**	**0.8**
MW-21 Screen 2	Oct/Nov 2010	DUPE-01-4Q10	0.5 U	0.5 U	**4.6**	0.5 U	0.5 U	0.5 U	0.5 U	**4.0**	**2.6**	**cis-1,2-Dichloroethene**	**0.8**
MW-21 Screen 2	Feb/Mar 2011	MW-21-2	0.5 U	0.5 U	**8.5**	0.5 U	0.5 U	0.5 U	0.5 U	**4.9**	**1.9**	**cis-1,2-Dichloroethene**	**0.6**
MW-21 Screen 2	Apr/May 2011	MW-21-2	0.5 U	0.5 U	**3.5**	0.5 U	0.5 U	0.5 U	0.5 U	**2.0**	**1.9**		
MW-21 Screen 2	Aug/Sep 2011	MW-21-2	0.5 U	0.5 U	**2.2**	0.5 U	0.5 U	0.5 U	0.5 U	**2.7**	**1.8**		
MW-21 Screen 3	Oct/Nov 2010	MW-21-3	0.5 U	**1.4**	**6.2**	0.5 U	0.5 U	0.5 U	0.5 U	**4.7**	**2.9**	**cis-1,2-Dichloroethene**	**0.9**
MW-21 Screen 3	Feb/Mar 2011	MW-21-3	0.5 U	**1.2**	**5.5**	0.5 U	0.5 U	0.5 U	0.5 U	**4.5**	1.0 U	**cis-1,2-Dichloroethene**	**0.8**
MW-21 Screen 3	Apr/May 2011	MW-21-3	0.5 U	**1.0**	**3.5**	0.5 U	0.5 U	0.5 U	0.5 U	**4.5**	**2.5**	**cis-1,2-Dichloroethene**	**0.6**
MW-21 Screen 3	Aug/Sep 2011	MW-21-3	0.5 U	**1.4**	**3.9**	0.5 U	0.5 U	0.5 U	0.5 U	**7.1**	**2.4**	**cis-1,2-Dichloroethene**	**0.6**
MW-21 Screen 4	Oct/Nov 2010	MW-21-4	0.5 U	0.5 U	**1.9**	0.5 U	0.5 U	0.5 U	0.5 U	**6.9**	**3.0**		
MW-21 Screen 4	Feb/Mar 2011	MW-21-4	0.5 U	0.5 U	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	**5.8**	**2.4**		
MW-21 Screen 4	Feb/Mar 2011	DUPE-01-1Q11	0.5 U	0.5 U	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	**4.9**	**2.6**		
MW-21 Screen 4	Apr/May 2011	MW-21-4	0.5 U	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**6.1**	**2.1**		
MW-21 Screen 4	Aug/Sep 2011	MW-21-4	0.5 U	0.5 U	**1.5**	0.5 U	0.5 U	0.5 U	0.5 U	**7.1**	**2.2**		
MW-21 Screen 5	Oct/Nov 2010	MW-21-5	0.5 U	0.5 U	**1.5**	0.5 U	0.5 U	0.5 U	0.5 U	**3.7**	**4.3**		
MW-21 Screen 5	Feb/Mar 2011	MW-21-5	0.5 U	0.5 U	**1.8**	0.5 U	0.5 U	0.5 U	0.5 U	**4.3**	**3.0**		
MW-21 Screen 5	Apr/May 2011	MW-21-5	0.5 U	0.5 U	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	**3.9**	**2.4**		
MW-21 Screen 5	Aug/Sep 2011	MW-21-5	0.5 U	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**4.9**	**2.6**		
MW-22 Screen 1	Oct/Nov 2010	MW-22-1	0.5 U	0.5 U	**2.0**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	**2.3**		
MW-22 Screen 1	Feb/Mar 2011	MW-22-1	0.5 U	0.5 U	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	**22.9**		
MW-22 Screen 1	Apr/May 2011	MW-22-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.7**	**40.1**	**Bromodichloromethane** **Dibromochloromethane**	**2.3** **0.9**
MW-22 Screen 1	Aug/Sep 2011	MW-22-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.8**	**98.7**	**Bromodichloromethane** **Dibromochloromethane**	**1.7** **0.9**
MW-22 Screen 2	Oct/Nov 2010	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.5**		
MW-22 Screen 2	Oct/Nov 2010	DUPE-03-4Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.6**		
MW-22 Screen 2	Feb/Mar 2011	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.4**		
MW-22 Screen 2	Apr/May 2011	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**		
MW-22 Screen 2	Aug/Sep 2011	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.0**		
MW-22 Screen 3	Oct/Nov 2010	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.0**		
MW-22 Screen 3	Feb/Mar 2011	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.9**		
MW-22 Screen 3	Apr/May 2011	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.8**		
MW-22 Screen 3	Aug/Sep 2011	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.7**		
MW-22 Screen 4	Oct/Nov 2010	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-22 Screen 4	Apr/May 2011	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-22 Screen 5	Oct/Nov 2010	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-22 Screen 5	Apr/May 2011	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**12.4**		
MW-23 Screen 1	Oct/Nov 2010	MW-23-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**30.4 J**		
MW-23 Screen 1	Oct/Nov 2010	DUPE-07-4Q10	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**29.9 J**		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-23 Screen 1	Feb/Mar 2011	MW-23-1	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	**302.0**		
MW-23 Screen 1	Apr/May 2011	MW-23-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**97.8**		
MW-23 Screen 1	Aug/Sep 2011	MW-23-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**9.7**		
MW-23 Screen 2	Oct/Nov 2010	MW-23-2	0.5 U	**1.4**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**4.4 J**		
MW-23 Screen 2	Feb/Mar 2011	MW-23-2	0.5 U	**1.5**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**3.4**		
MW-23 Screen 2	Apr/May 2011	MW-23-2	0.5 U	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.5**		
MW-23 Screen 2	Aug/Sep 2011	MW-23-2	0.5 U	**2.0**	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**3.0**		
MW-23 Screen 3	Oct/Nov 2010	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.2 J**		
MW-23 Screen 3	Feb/Mar 2011	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.2**		
MW-23 Screen 3	Apr/May 2011	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.5**		
MW-23 Screen 3	Aug/Sep 2011	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.2**		
MW-23 Screen 4	Oct/Nov 2010	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-23 Screen 4	Apr/May 2011	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-23 Screen 5	Oct/Nov 2010	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-23 Screen 5	Apr/May 2011	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 1	Oct/Nov 2010	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.3**	**9.2**		
MW-24 Screen 1	Feb/Mar 2011	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.4**	**14.3**		
MW-24 Screen 1	Apr/May 2011	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**9.1**	**10.4**	**1,4-Dioxane** **NDMA**	**1.1** **0.0 J**
MW-24 Screen 1	Aug/Sep 2011	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.4**	**12.2**		
MW-24 Screen 2	Oct/Nov 2010	MW-24-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**11.1**		
MW-24 Screen 2	Feb/Mar 2011	MW-24-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**14.0**		
MW-24 Screen 2	Apr/May 2011	MW-24-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**17.2**		
MW-24 Screen 2	Apr/May 2011	DUPE-1-2Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**17.5**		
MW-24 Screen 2	Aug/Sep 2011	MW-24-2	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**33.0**		
MW-24 Screen 3	Oct/Nov 2010	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 3	Feb/Mar 2011	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 3	Apr/May 2011	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 3	Aug/Sep 2011	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 4	Oct/Nov 2010	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 4	Oct/Nov 2010	DUPE-06-4Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 4	Apr/May 2011	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 5	Oct/Nov 2010	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 5	Apr/May 2011	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-25 Screen 1	Oct/Nov 2010	MW-25-1	0.5 U	**2.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**10.5**		
MW-25 Screen 1	Feb/Mar 2011	MW-25-1	0.5 U	**5.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**9.7**		
MW-25 Screen 1	Apr/May 2011	MW-25-1	0.5 U	**3.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**9.2**		
MW-25 Screen 1	Aug/Sep 2011	MW-25-1	0.5 U	**6.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**8.3**		
MW-25 Screen 2	Oct/Nov 2010	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**14.5**		
MW-25 Screen 2	Feb/Mar 2011	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**14.0**		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-25 Screen 2	Apr/May 2011	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**13.3**		
MW-25 Screen 2	Apr/May 2011	DUPE-4-2Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**13.1**		
MW-25 Screen 2	Aug/Sep 2011	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**13.3**		
MW-25 Screen 2	Aug/Sep 2011	DUPE-05-3Q11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**13.2**		
MW-25 Screen 3	Oct/Nov 2010	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**10.0**		
MW-25 Screen 3	Feb/Mar 2011	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**9.8**		
MW-25 Screen 3	Apr/May 2011	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	**8.5**		
MW-25 Screen 3	Aug/Sep 2011	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**9.1**		
MW-25 Screen 4	Oct/Nov 2010	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**8.3**		
MW-25 Screen 4	Feb/Mar 2011	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**8.3**		
MW-25 Screen 4	Apr/May 2011	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.3**		
MW-25 Screen 4	Aug/Sep 2011	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.6**		
MW-25 Screen 5	Oct/Nov 2010	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-25 Screen 5	Feb/Mar 2011	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-25 Screen 5	Apr/May 2011	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**39.2**		
MW-25 Screen 5	Aug/Sep 2011	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-26 Screen 1	Oct/Nov 2010	MW-26-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.0**		
MW-26 Screen 1	Oct/Nov 2010	DUPE-08-4Q10	0.5 U	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.5**		
MW-26 Screen 1	Feb/Mar 2011	MW-26-1	0.5 U	**0.6**	**2.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.3**		
MW-26 Screen 1	Apr/May 2011	MW-26-1	0.5 U	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.0**		
MW-26 Screen 1	Aug/Sep 2011	MW-26-1	0.5 U	**0.6**	**1.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.2**		
MW-26 Screen 2	Oct/Nov 2010	MW-26-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-26 Screen 2	Feb/Mar 2011	MW-26-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-26 Screen 2	Apr/May 2011	MW-26-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-26 Screen 2	Aug/Sep 2011	MW-26-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
California Maximum Contaminant Level (MCL)			0.5	5	5	5	0.5	6	1200	100	6.0 *		
EPA Region IX Maximum Contaminant Level			5	5	5	NE	5	7	NE	100	NE		

Notes

DUPE	Field Duplicate
NA	Not analyzed
NE	Not established
*	Interim Action Level - California Department of Public Health
J	Analyte concentration is an estimated value
U	Analyte was analyzed for but not detected at or above the stated limit

TABLE 2
SUMMARY OF METALS DETECTED
DURING THE LAST FOUR SAMPLING EVENTS OF THE LONG-TERM QUARTERLY
GROUNDWATER SAMPLING PROGRAM

(All concentrations reported in µg/L; except for Hexavalent Chromium, which is reported in mg/L.)

(Shaded values exceed State or Federal MCLs or action levels.)

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-1	Oct/Nov 2010	MW-1	NA	NA	5.0 U	0.010 U
MW-1	Apr/May 2011	MW-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-1	Apr/May 2011	DUPE-5-2Q11	2.0 U	5.000 U	5.0 U	0.010 U
MW-3 Screen 1	Oct/Nov 2010	MW-3-1	NA	NA	5.0 U	0.010 U
MW-3 Screen 1	Oct/Nov 2010	DUPE-04-4Q10	NA	NA	5.0 U	0.010 U
MW-3 Screen 1	Apr/May 2011	MW-3-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-3 Screen 2	Oct/Nov 2010	MW-3-2	NA	NA	5.0 U	0.010 U
MW-3 Screen 2	Feb/Mar 2011	MW-3-2	NA	NA	**5.6**	0.010 U
MW-3 Screen 2	Apr/May 2011	MW-3-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-3 Screen 2	Aug/Sep 2011	MW-3-2	NA	NA	5.0 U	0.010 U
MW-3 Screen 3	Oct/Nov 2010	MW-3-3	NA	NA	5.0 U	0.010 U
MW-3 Screen 3	Feb/Mar 2011	MW-3-3	NA	NA	5.0 U	0.010 U
MW-3 Screen 3	Apr/May 2011	MW-3-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-3 Screen 3	Aug/Sep 2011	MW-3-3	NA	NA	5.0 U	0.010 U
MW-3 Screen 4	Oct/Nov 2010	MW-3-4	NA	NA	5.0 U	0.010 U
MW-3 Screen 4	Feb/Mar 2011	MW-3-4	NA	NA	5.0 U	0.010 U
MW-3 Screen 4	Apr/May 2011	MW-3-4	**2.6**	5.000 U	5.0 U	0.010 U
MW-3 Screen 4	Aug/Sep 2011	MW-3-4	NA	NA	5.0 U	0.010 U
MW-3 Screen 5	Oct/Nov 2010	MW-3-5	NA	NA	5.0 U	0.010 U
MW-3 Screen 5	Apr/May 2011	MW-3-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-4 Screen 1	Oct/Nov 2010	MW-4-1	NA	NA	5.0 U	0.010 U
MW-4 Screen 1	Feb/Mar 2011	MW-4-1	NA	NA	5.0 U	0.010 U
MW-4 Screen 1	Apr/May 2011	MW-4-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-4 Screen 1	Aug/Sep 2011	MW-4-1	NA	NA	5.0 U	0.010 U
MW-4 Screen 2	Oct/Nov 2010	MW-4-2	NA	NA	5.0 U	0.010 U
MW-4 Screen 2	Feb/Mar 2011	MW-4-2	NA	NA	**6.7**	0.010 U
MW-4 Screen 2	Feb/Mar 2011	DUPE-04-1Q11	NA	NA	5.0 U	0.010 U
MW-4 Screen 2	Apr/May 2011	MW-4-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-4 Screen 2	Aug/Sep 2011	MW-4-2	NA	NA	5.0 U	0.010 U
MW-4 Screen 3	Oct/Nov 2010	MW-4-3	NA	NA	5.0 U	0.010 U
MW-4 Screen 3	Feb/Mar 2011	MW-4-3	NA	NA	5.0 U	0.010 U
MW-4 Screen 3	Apr/May 2011	MW-4-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-4 Screen 3	Aug/Sep 2011	MW-4-3	NA	NA	5.0 U	0.010 U
MW-4 Screen 4	Oct/Nov 2010	MW-4-4	NA	NA	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-4 Screen 4	Apr/May 2011	MW-4-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-4 Screen 5	Oct/Nov 2010	MW-4-5	NA	NA	5.0 U	0.010 U
MW-4 Screen 5	Apr/May 2011	MW-4-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-5	Oct/Nov 2010	MW-5	NA	NA	5.0 U	0.010 U
MW-5	Feb/Mar 2011	MW-5	NA	NA	5.0 U	0.010 U
MW-5	Apr/May 2011	MW-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-5	Apr/May 2011	DUPE-6-2Q11	2.0 U	5.000 U	5.0 U	0.010 U
MW-5	Aug/Sep 2011	MW-5	NA	NA	5.0 U	0.010 U
MW-6	Oct/Nov 2010	MW-6	NA	NA	5.0 U	0.010 U
MW-6	Feb/Mar 2011	MW-6	NA	NA	5.0 U	0.010 U
MW-6	Apr/May 2011	MW-6	2.0 U	5.000 U	5.0 U	0.010 U
MW-6	Apr/May 2011	DUPE-7-2Q11	2.0 U	5.000 U	5.0 U	0.010 U
MW-6	Aug/Sep 2011	MW-6	NA	NA	5.0 U	0.010 U
MW-6	Aug/Sep 2011	DUPE-7-3Q11	NA	NA	5.0 U	NA
MW-7	Oct/Nov 2010	MW-7	NA	NA	5.0 U	NA
MW-7	Feb/Mar 2011	MW-7	NA	NA	**15.0**	**0.012**
MW-7	Apr/May 2011	MW-7	2.0 U	5.000 U	**15.0**	**0.014**
MW-7	Aug/Sep 2011	MW-7	NA	NA	**79.0**	0.010 U
MW-8	Oct/Nov 2010	MW-8	NA	NA	5.0 U	0.010 U
MW-8	Feb/Mar 2011	MW-8	NA	NA	5.0 U	0.010 U
MW-8	Apr/May 2011	MW-8	2.0 U	5.000 U	5.0 U	0.010 U
MW-8	Apr/May 2011	DUPE-8-2Q11	2.0 U	5.000 U	5.0 U	0.010 U
MW-8	Aug/Sep 2011	MW-8	NA	NA	5.0 U	0.010 U
MW-9	Oct/Nov 2010	MW-9	NA	NA	5.0 U	0.010 U
MW-9	Apr/May 2011	MW-9	2.0 U	5.000 U	5.0 U	0.010 U
MW-10	Oct/Nov 2010	MW-10	NA	NA	**5.7**	0.010 U
MW-10	Feb/Mar 2011	MW-10	NA	NA	5.0 U	0.010 U
MW-10	Feb/Mar 2011	DUPE-7-1Q11	NA	NA	5.0 U	0.010 U
MW-10	Apr/May 2011	MW-10	2.0 U	5.000 U	5.0 U	0.010 U
MW-10	Aug/Sep 2011	MW-10	NA	NA	5.0 U	0.010 U
MW-11 Screen 1	Oct/Nov 2010	MW-11-1	NA	NA	5.0 U	0.010 U
MW-11 Screen 1	Feb/Mar 2011	MW-11-1	NA	NA	5.0 U	0.010 U
MW-11 Screen 1	Apr/May 2011	MW-11-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-11 Screen 1	Aug/Sep 2011	MW-11-1	NA	NA	5.0 U	0.010 U
MW-11 Screen 1	Aug/Sep 2011	DUPE-06-3Q11	NA	NA	5.0 U	0.010 U
MW-11 Screen 2	Oct/Nov 2010	MW-11-2	NA	NA	5.0 U	0.010 U
MW-11 Screen 2	Feb/Mar 2011	MW-11-2	NA	NA	5.0 U	0.010 U
MW-11 Screen 2	Apr/May 2011	MW-11-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-11 Screen 2	Aug/Sep 2011	MW-11-2	NA	NA	5.0 U	0.010 U
MW-11 Screen 3	Oct/Nov 2010	MW-11-3	NA	NA	5.0 U	0.010 U
MW-11 Screen 3	Feb/Mar 2011	MW-11-3	NA	NA	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-11 Screen 3	Apr/May 2011	MW-11-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-11 Screen 3	Aug/Sep 2011	MW-11-3	NA	NA	5.0 U	0.010 U
MW-11 Screen 4	Oct/Nov 2010	MW-11-4	NA	NA	5.0 U	0.010 U
MW-11 Screen 4	Apr/May 2011	MW-11-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-11 Screen 5	Oct/Nov 2010	MW-11-5	NA	NA	5.0 U	0.010 U
MW-11 Screen 5	Apr/May 2011	MW-11-5	**6.2**	5.000 U	5.0 U	0.010 U
MW-12 Screen 1	Oct/Nov 2010	MW-12-1	NA	NA	5.0 U	0.010 U
MW-12 Screen 1	Feb/Mar 2011	MW-12-1	NA	NA	5.0 U	0.010 U
MW-12 Screen 1	Apr/May 2011	MW-12-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-12 Screen 1	Aug/Sep 2011	MW-12-1	NA	NA	5.0 U	0.010 U
MW-12 Screen 2	Oct/Nov 2010	MW-12-2	NA	NA	5.0 U	0.010 U
MW-12 Screen 2	Feb/Mar 2011	MW-12-2	NA	NA	5.0 U	0.010 U
MW-12 Screen 2	Apr/May 2011	MW-12-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-12 Screen 2	Aug/Sep 2011	MW-12-2	NA	NA	5.0 U	0.010 U
MW-12 Screen 3	Oct/Nov 2010	MW-12-3	NA	NA	5.0 U	0.010 U
MW-12 Screen 3	Oct/Nov 2010	DUPE-05-4Q10	NA	NA	5.0 U	0.010 U
MW-12 Screen 3	Feb/Mar 2011	MW-12-3	NA	NA	5.0 U	0.010 U
MW-12 Screen 3	Apr/May 2011	MW-12-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-12 Screen 3	Aug/Sep 2011	MW-12-3	NA	NA	5.0 U	0.010 U
MW-12 Screen 4	Oct/Nov 2010	MW-12-4	NA	NA	5.0 U	0.010 U
MW-12 Screen 4	Apr/May 2011	MW-12-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-12 Screen 5	Oct/Nov 2010	MW-12-5	NA	NA	5.0 U	0.010 U
MW-12 Screen 5	Apr/May 2011	MW-12-5	**2.9**	5.000 U	5.0 U	0.010 U
MW-13	Oct/Nov 2010	MW-13	NA	NA	**8.1**	**0.009 J**
MW-13	Feb/Mar 2011	MW-13	NA	NA	**15.0**	**0.008 J**
MW-13	Apr/May 2011	MW-13	2.0 U	5.000 U	**15.0**	**0.009 J**
MW-13	Aug/Sep 2011	MW-13	NA	NA	**6.0**	**0.006 J**
MW-14 Screen 1	Oct/Nov 2010	MW-14-1	NA	NA	5.0 U	0.010 U
MW-14 Screen 1	Feb/Mar 2011	MW-14-1	NA	NA	5.0 U	0.010 U
MW-14 Screen 1	Feb/Mar 2011	DUPE-02-1Q11	NA	NA	5.0 U	0.010 U
MW-14 Screen 1	Apr/May 2011	MW-14-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-14 Screen 1	Aug/Sep 2011	MW-14-1	NA	NA	5.0 U	0.010 U
MW-14 Screen 1	Aug/Sep 2011	DUPE-02-3Q11	NA	NA	5.0 U	0.010 U
MW-14 Screen 2	Oct/Nov 2010	MW-14-2	NA	NA	5.0 U	0.010 U
MW-14 Screen 2	Oct/Nov 2010	DUPE-02-4Q10	NA	NA	5.0 U	0.010 U
MW-14 Screen 2	Feb/Mar 2011	MW-14-2	NA	NA	5.0 U	0.010 U
MW-14 Screen 2	Apr/May 2011	MW-14-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-14 Screen 2	Aug/Sep 2011	MW-14-2	NA	NA	5.0 U	0.010 U
MW-14 Screen 3	Oct/Nov 2010	MW-14-3	NA	NA	5.0 U	0.010 U
MW-14 Screen 3	Feb/Mar 2011	MW-14-3	NA	NA	5.0 U	0.010 U
MW-14 Screen 3	Apr/May 2011	MW-14-3	2.0 U	5.000 U	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-14 Screen 3	Aug/Sep 2011	MW-14-3	NA	NA	5.0 U	0.010 U
MW-14 Screen 4	Oct/Nov 2010	MW-14-4	NA	NA	5.0 U	0.010 U
MW-14 Screen 4	Apr/May 2011	MW-14-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-14 Screen 5	Oct/Nov 2010	MW-14-5	NA	NA	5.0 U	0.010 U
MW-14 Screen 5	Apr/May 2011	MW-14-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-15	Oct/Nov 2010	MW-15	NA	NA	5.0 U	0.010 U
MW-15	Feb/Mar 2011	MW-15	NA	NA	5.0 U	0.010 U
MW-15	Apr/May 2011	MW-15	2.0 U	5.000 U	5.0 U	0.010 U
MW-15	Aug/Sep 2011	MW-15	NA	NA	5.0 U	0.010 U
MW-16	Oct/Nov 2010	MW-16	NA	NA	**32.0**	NA
MW-16	Feb/Mar 2011	MW-16	NA	NA	**29.0**	**0.027**
MW-16	Apr/May 2011	MW-16	**4.7**	5.000 U	**5.9**	**0.005 J**
MW-16	Aug/Sep 2011	MW-16	NA	NA	**5.1**	0.010 U
MW-17 Screen 1	Oct/Nov 2010	MW-17-1	NA	NA	5.0 U	0.010 U
MW-17 Screen 1	Apr/May 2011	MW-17-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-17 Screen 2	Oct/Nov 2010	MW-17-2	NA	NA	5.0 U	0.010 U
MW-17 Screen 2	Feb/Mar 2011	MW-17-2	NA	NA	5.0 U	0.010 U
MW-17 Screen 2	Apr/May 2011	MW-17-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-17 Screen 2	Aug/Sep 2011	MW-17-2	NA	NA	5.0 U	0.010 U
MW-17 Screen 3	Oct/Nov 2010	MW-17-3	NA	NA	5.0 U	0.010 U
MW-17 Screen 3	Feb/Mar 2011	MW-17-3	NA	NA	5.0 U	0.010 U
MW-17 Screen 3	Apr/May 2011	MW-17-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-17 Screen 3	Aug/Sep 2011	MW-17-3	NA	NA	5.0 U	0.010 U
MW-17 Screen 4	Oct/Nov 2010	MW-17-4	NA	NA	5.0 U	0.010 U
MW-17 Screen 4	Feb/Mar 2011	MW-17-4	NA	NA	5.0 U	0.010 U
MW-17 Screen 4	Apr/May 2011	MW-17-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-17 Screen 4	Aug/Sep 2011	MW-17-4	NA	NA	5.0 U	0.010 U
MW-17 Screen 5	Oct/Nov 2010	MW-17-5	NA	NA	5.0 U	0.010 U
MW-17 Screen 5	Apr/May 2011	MW-17-5	**8.1**	5.000 U	5.0 U	0.010 U
MW-18 Screen 1	Oct/Nov 2010	MW-18-1	NA	NA	5.0 U	0.010 U
MW-18 Screen 1	Apr/May 2011	MW-18-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-18 Screen 2	Oct/Nov 2010	MW-18-2	NA	NA	5.0 U	0.010 U
MW-18 Screen 2	Feb/Mar 2011	MW-18-2	NA	NA	5.0 U	0.010 U
MW-18 Screen 2	Apr/May 2011	MW-18-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-18 Screen 2	Aug/Sep 2011	MW-18-2	NA	NA	5.0 U	0.010 U
MW-18 Screen 2	Aug/Sep 2011	DUPE-03-3Q11	NA	NA	5.0 U	0.010 U
MW-18 Screen 3	Oct/Nov 2010	MW-18-3	NA	NA	5.0 U	0.010 U
MW-18 Screen 3	Feb/Mar 2011	MW-18-3	NA	NA	5.0 U	0.010 U
MW-18 Screen 3	Feb/Mar 2011	DUPE-03-1Q11	NA	NA	5.0 U	0.010 U
MW-18 Screen 3	Apr/May 2011	MW-18-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-18 Screen 3	Aug/Sep 2011	MW-18-3	NA	NA	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-18 Screen 4	Oct/Nov 2010	MW-18-4	NA	NA	**7.1**	0.010 U
MW-18 Screen 4	Feb/Mar 2011	MW-18-4	NA	NA	5.0 U	0.010 U
MW-18 Screen 4	Apr/May 2011	MW-18-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-18 Screen 4	Aug/Sep 2011	MW-18-4	NA	NA	5.0 U	0.010 U
MW-18 Screen 5	Oct/Nov 2010	MW-18-5	NA	NA	5.0 U	0.010 U
MW-18 Screen 5	Apr/May 2011	MW-18-5	**2.1**	5.000 U	5.0 U	0.010 U
MW-19 Screen 1	Oct/Nov 2010	MW-19-1	NA	NA	5.0 U	0.010 U
MW-19 Screen 1	Apr/May 2011	MW-19-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-19 Screen 2	Oct/Nov 2010	MW-19-2	NA	NA	5.0 U	0.010 U
MW-19 Screen 2	Apr/May 2011	MW-19-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-19 Screen 3	Oct/Nov 2010	MW-19-3	NA	NA	5.0 U	0.010 U
MW-19 Screen 3	Apr/May 2011	MW-19-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-19 Screen 3	Apr/May 2011	DUPE-3-2Q11	2.0 U	5.000 U	5.0 U	0.010 U
MW-19 Screen 4	Oct/Nov 2010	MW-19-4	NA	NA	5.0 U	0.010 U
MW-19 Screen 4	Apr/May 2011	MW-19-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-19 Screen 5	Oct/Nov 2010	MW-19-5	NA	NA	5.0 U	0.010 U
MW-19 Screen 5	Apr/May 2011	MW-19-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 1	Oct/Nov 2010	MW-20-1	NA	NA	5.0 U	0.010 U
MW-20 Screen 1	Feb/Mar 2011	MW-20-1	NA	NA	5.0 U	0.010 U
MW-20 Screen 1	Apr/May 2011	MW-20-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 1	Aug/Sep 2011	MW-20-1	NA	NA	5.0 U	0.010 U
MW-20 Screen 2	Oct/Nov 2010	MW-20-2	NA	NA	5.0 U	0.010 U
MW-20 Screen 2	Feb/Mar 2011	MW-20-2	NA	NA	5.0 U	0.010 U
MW-20 Screen 2	Apr/May 2011	MW-20-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 2	Aug/Sep 2011	MW-20-2	NA	NA	5.0 U	0.010 U
MW-20 Screen 3	Oct/Nov 2010	MW-20-3	NA	NA	5.0 U	0.010 U
MW-20 Screen 3	Feb/Mar 2011	MW-20-3	NA	NA	5.0 U	0.010 U
MW-20 Screen 3	Apr/May 2011	MW-20-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 3	Aug/Sep 2011	MW-20-3	NA	NA	5.0 U	0.010 U
MW-20 Screen 4	Oct/Nov 2010	MW-20-4	NA	NA	5.0 U	0.010 U
MW-20 Screen 4	Feb/Mar 2011	MW-20-4	NA	NA	5.0 U	0.010 U
MW-20 Screen 4	Apr/May 2011	MW-20-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 4	Apr/May 2011	DUPE-2-2Q11	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 4	Aug/Sep 2011	MW-20-4	NA	NA	5.0 U	0.010 U
MW-20 Screen 4	Aug/Sep 2011	DUPE-04-3Q11	NA	NA	5.0 U	0.010 U
MW-20 Screen 5	Oct/Nov 2010	MW-20-5	NA	NA	5.0 U	0.010 U
MW-20 Screen 5	Feb/Mar 2011	MW-20-5	NA	NA	**28.0**	0.010 U
MW-20 Screen 5	Apr/May 2011	MW-20-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 5	Aug/Sep 2011	MW-20-5	NA	NA	5.0 U	0.010 U
MW-21 Screen 1	Oct/Nov 2010	MW-21-1	NA	NA	5.0 U	0.010 U
MW-21 Screen 1	Feb/Mar 2011	MW-21-1	NA	NA	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-21 Screen 1	Apr/May 2011	MW-21-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-21 Screen 1	Aug/Sep 2011	MW-21-1	NA	NA	5.0 U	0.010 U
MW-21 Screen 2	Oct/Nov 2010	MW-21-2	NA	NA	5.0 U	0.010 U
MW-21 Screen 2	Oct/Nov 2010	DUPE-01-4Q10	NA	NA	5.0 U	0.010 U
MW-21 Screen 2	Feb/Mar 2011	MW-21-2	NA	NA	5.0 U	0.010 U
MW-21 Screen 2	Apr/May 2011	MW-21-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-21 Screen 2	Aug/Sep 2011	MW-21-2	NA	NA	5.0 U	0.010 U
MW-21 Screen 3	Oct/Nov 2010	MW-21-3	NA	NA	5.0 U	0.010 U
MW-21 Screen 3	Feb/Mar 2011	MW-21-3	NA	NA	5.0 U	0.010 U
MW-21 Screen 3	Apr/May 2011	MW-21-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-21 Screen 3	Aug/Sep 2011	MW-21-3	NA	NA	5.0 U	0.010 U
MW-21 Screen 4	Oct/Nov 2010	MW-21-4	NA	NA	5.0 U	0.010 U
MW-21 Screen 4	Feb/Mar 2011	MW-21-4	NA	NA	5.0 U	0.010 U
MW-21 Screen 4	Feb/Mar 2011	DUPE-01-1Q11	NA	NA	5.0 U	0.010 U
MW-21 Screen 4	Apr/May 2011	MW-21-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-21 Screen 4	Aug/Sep 2011	MW-21-4	NA	NA	5.0 U	0.010 U
MW-21 Screen 5	Oct/Nov 2010	MW-21-5	NA	NA	5.0 U	0.010 U
MW-21 Screen 5	Feb/Mar 2011	MW-21-5	NA	NA	5.0 U	0.010 U
MW-21 Screen 5	Apr/May 2011	MW-21-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-21 Screen 5	Aug/Sep 2011	MW-21-5	NA	NA	**5.8**	0.010 U
MW-22 Screen 1	Oct/Nov 2010	MW-22-1	NA	NA	5.0 U	0.010 U
MW-22 Screen 1	Feb/Mar 2011	MW-22-1	NA	NA	5.0 U	0.010 U
MW-22 Screen 1	Apr/May 2011	MW-22-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-22 Screen 1	Aug/Sep 2011	MW-22-1	NA	NA	5.0 U	0.010 U
MW-22 Screen 2	Oct/Nov 2010	MW-22-2	NA	NA	5.0 U	0.010 U
MW-22 Screen 2	Oct/Nov 2010	DUPE-03-4Q10	NA	NA	5.0 U	0.010 U
MW-22 Screen 2	Feb/Mar 2011	MW-22-2	NA	NA	5.0 U	0.010 U
MW-22 Screen 2	Apr/May 2011	MW-22-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-22 Screen 2	Aug/Sep 2011	MW-22-2	NA	NA	5.0 U	0.010 U
MW-22 Screen 3	Oct/Nov 2010	MW-22-3	NA	NA	5.0 U	0.010 U
MW-22 Screen 3	Feb/Mar 2011	MW-22-3	NA	NA	5.0 U	0.010 U
MW-22 Screen 3	Apr/May 2011	MW-22-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-22 Screen 3	Aug/Sep 2011	MW-22-3	NA	NA	5.0 U	0.010 U
MW-22 Screen 4	Oct/Nov 2010	MW-22-4	NA	NA	5.0 U	0.010 U
MW-22 Screen 4	Apr/May 2011	MW-22-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-22 Screen 5	Oct/Nov 2010	MW-22-5	NA	NA	5.0 U	0.010 U
MW-22 Screen 5	Apr/May 2011	MW-22-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-23 Screen 1	Oct/Nov 2010	MW-23-1	NA	NA	5.0 U	0.010 U
MW-23 Screen 1	Oct/Nov 2010	DUPE-07-4Q10	NA	NA	5.0 U	0.010 U
MW-23 Screen 1	Feb/Mar 2011	MW-23-1	NA	NA	**7.2**	0.010 U
MW-23 Screen 1	Apr/May 2011	MW-23-1	2.0 U	5.000 U	**7.6**	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-23 Screen 1	Aug/Sep 2011	MW-23-1	NA	NA	**7.2**	0.010 U
MW-23 Screen 2	Oct/Nov 2010	MW-23-2	NA	NA	5.0 U	0.010 U
MW-23 Screen 2	Feb/Mar 2011	MW-23-2	NA	NA	5.0 U	0.010 U
MW-23 Screen 2	Apr/May 2011	MW-23-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-23 Screen 2	Aug/Sep 2011	MW-23-2	NA	NA	5.0 U	0.010 U
MW-23 Screen 3	Oct/Nov 2010	MW-23-3	NA	NA	5.0 U	0.010 U
MW-23 Screen 3	Feb/Mar 2011	MW-23-3	NA	NA	5.0 U	0.010 U
MW-23 Screen 3	Apr/May 2011	MW-23-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-23 Screen 3	Aug/Sep 2011	MW-23-3	NA	NA	5.0 U	0.010 U
MW-23 Screen 4	Oct/Nov 2010	MW-23-4	NA	NA	5.0 U	0.010 U
MW-23 Screen 4	Feb/Mar 2011	MW-23-4	NA	NA	5.0 U	0.010 U
MW-23 Screen 4	Feb/Mar 2011	DUPE-05-1Q11	NA	NA	5.0 U	0.010 U
MW-23 Screen 4	Apr/May 2011	MW-23-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-23 Screen 4	Aug/Sep 2011	MW-23-4	NA	NA	5.0 U	0.010 U
MW-23 Screen 5	Oct/Nov 2010	MW-23-5	NA	NA	5.0 U	0.010 U
MW-23 Screen 5	Apr/May 2011	MW-23-5	**4.7**	5.000 U	5.0 U	0.010 U
MW-24 Screen 1	Oct/Nov 2010	MW-24-1	NA	NA	**6.0**	0.010 U
MW-24 Screen 1	Feb/Mar 2011	MW-24-1	NA	NA	5.0 U	0.010 U
MW-24 Screen 1	Apr/May 2011	MW-24-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-24 Screen 1	Aug/Sep 2011	MW-24-1	NA	NA	**7.9**	0.010 U
MW-24 Screen 2	Oct/Nov 2010	MW-24-2	NA	NA	5.0 U	0.010 U
MW-24 Screen 2	Feb/Mar 2011	MW-24-2	NA	NA	5.0 U	0.010 U
MW-24 Screen 2	Apr/May 2011	MW-24-2	**2.1**	5.000 U	5.0 U	0.010 U
MW-24 Screen 2	Apr/May 2011	DUPE-1-2Q11	2.0 U	5.000 U	5.0 U	0.010 U
MW-24 Screen 2	Aug/Sep 2011	MW-24-2	NA	NA	5.0 U	0.010 U
MW-24 Screen 3	Oct/Nov 2010	MW-24-3	NA	NA	5.0 U	0.010 U
MW-24 Screen 3	Feb/Mar 2011	MW-24-3	NA	NA	5.0 U	0.010 U
MW-24 Screen 3	Apr/May 2011	MW-24-3	**3.0**	5.000 U	5.0 U	0.010 U
MW-24 Screen 3	Aug/Sep 2011	MW-24-3	NA	NA	5.0 U	0.010 U
MW-24 Screen 4	Oct/Nov 2010	MW-24-4	NA	NA	5.0 U	0.010 U
MW-24 Screen 4	Oct/Nov 2010	DUPE-06-4Q10	NA	NA	5.0 U	0.010 U
MW-24 Screen 4	Feb/Mar 2011	MW-24-4	NA	NA	5.0 U	0.010 U
MW-24 Screen 4	Apr/May 2011	MW-24-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-24 Screen 4	Aug/Sep 2011	MW-24-4	NA	NA	5.0 U	0.010 U
MW-24 Screen 5	Oct/Nov 2010	MW-24-5	NA	NA	5.0 U	0.010 U
MW-24 Screen 5	Apr/May 2011	MW-24-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 1	Oct/Nov 2010	MW-25-1	NA	NA	5.0 U	0.010 U
MW-25 Screen 1	Feb/Mar 2011	MW-25-1	NA	NA	5.0 U	0.010 U
MW-25 Screen 1	Apr/May 2011	MW-25-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 1	Aug/Sep 2011	MW-25-1	NA	NA	5.0 U	0.010 U
MW-25 Screen 2	Oct/Nov 2010	MW-25-2	NA	NA	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-25 Screen 2	Feb/Mar 2011	MW-25-2	NA	NA	5.0 U	0.010 U
MW-25 Screen 2	Apr/May 2011	MW-25-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 2	Apr/May 2011	DUPE-4-2Q11	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 2	Aug/Sep 2011	MW-25-2	NA	NA	5.0 U	0.010 U
MW-25 Screen 2	Aug/Sep 2011	DUPE-05-3Q11	NA	NA	5.0 U	0.010 U
MW-25 Screen 3	Oct/Nov 2010	MW-25-3	NA	NA	5.0 U	0.010 U
MW-25 Screen 3	Feb/Mar 2011	MW-25-3	NA	NA	5.0 U	0.010 U
MW-25 Screen 3	Apr/May 2011	MW-25-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 3	Aug/Sep 2011	MW-25-3	NA	NA	5.0 U	0.010 U
MW-25 Screen 4	Oct/Nov 2010	MW-25-4	NA	NA	5.0 U	0.010 U
MW-25 Screen 4	Feb/Mar 2011	MW-25-4	NA	NA	5.0 U	0.010 U
MW-25 Screen 4	Apr/May 2011	MW-25-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 4	Aug/Sep 2011	MW-25-4	NA	NA	5.0 U	0.010 U
MW-25 Screen 5	Oct/Nov 2010	MW-25-5	NA	NA	5.0 U	0.010 U
MW-25 Screen 5	Feb/Mar 2011	MW-25-5	NA	NA	5.0 U	0.010 U
MW-25 Screen 5	Apr/May 2011	MW-25-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 5	Aug/Sep 2011	MW-25-5	NA	NA	5.0 U	0.010 U
MW-26 Screen 1	Oct/Nov 2010	MW-26-1	NA	NA	5.0 U	0.010 U
MW-26 Screen 1	Oct/Nov 2010	DUPE-08-4Q10	NA	NA	5.0 U	0.010 U
MW-26 Screen 1	Feb/Mar 2011	MW-26-1	NA	NA	5.0 U	0.010 U
MW-26 Screen 1	Apr/May 2011	MW-26-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-26 Screen 1	Aug/Sep 2011	MW-26-1	NA	NA	5.0 U	0.010 U
MW-26 Screen 2	Oct/Nov 2010	MW-26-2	NA	NA	5.0 U	0.010 U
MW-26 Screen 2	Feb/Mar 2011	MW-26-2	NA	NA	5.0 U	0.010 U
MW-26 Screen 2	Apr/May 2011	MW-26-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-26 Screen 2	Aug/Sep 2011	MW-26-2	NA	NA	5.0 U	0.010 U
California Maximum Contaminant Level (MCL)			10	15 *	50	0.05 **
EPA Region IX Maximum Contaminant Level			50	15 *	100	NE

Notes

DUPE	Field Duplicate
NA	Not analyzed
NE	Not established
UNK	PQL value unknown
*	Interim Action Level - California Department of Health Services
**	As of January 6, 2004, hexavalent chromium is regulated under the 50-µg/L MCL for total chromium. DHS will be adopting an MCL that is specific for hexavalent chromium (DHS, 2004). As of December 31, 2010, a draft PHG of 0.02 µg/L has been established by Cal/EPA (e.g., Health and Safety Code requirement to establish the MCL); however, the CDPH (formerly DHS) has not established an MCL.
J	Analyte concentration is an estimated value
U	Analyte was analyzed for but not detected at or above the stated limit

TABLE 3

SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE REPORTED IN MUNICIPAL PRODUCTION WELLS NEAR JPL DURING LAST FOUR SAMPLING EVENTS OF THE LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM

(All concentrations reported in µg/L.)

(Shaded values exceed State or Federal MCLs or action levels.)

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
LINCOLN AVENUE WATER CO.	WELL 03	8/10/10	**30.0**	NA	NA	NA
		8/17/10	**32.0**	NA	NA	NA
		8/24/10	**35.0**	NA	NA	NA
		8/26/10	NA	**0.9**	0.5 U	**1.6**
		8/31/10	**34.0**	NA	NA	NA
		9/07/10	**34.0**	**1.0**	**0.5**	**1.4**
		9/14/10	**35.0**	NA	NA	NA
		9/21/10	**37.0**	NA	NA	NA
		9/28/10	**38.0**	NA	NA	NA
		10/05/10	**34.0**	**1.0**	**0.5**	**1.4**
		10/12/10	**38.0**	NA	NA	NA
		10/19/10	**38.0**	NA	NA	NA
		11/09/10	**39.0**	NA	NA	NA
		11/16/10	**38.0**	NA	NA	NA
		11/23/10	**41.0**	NA	NA	NA
		11/30/10	**40.0**	NA	NA	NA
		2/10/11	**34.0**	0.5 U	0.5 U	0.5 U
		2/15/11	**36.0**	NA	NA	NA
		2/22/11	**39.0**	NA	NA	NA
		3/15/11	**42.0**	NA	NA	NA
		3/22/11	**38.0**	NA	NA	NA
		4/01/11	**41.0**	NA	NA	NA
		4/05/11	**46.0**	**1.0**	**0.5**	**1.5**
		7/31/11	**22.0**	NA	NA	NA
		8/02/11	**22.0**	0.5 U	0.5 U	0.5 U
		8/04/11	NA	0.5 U	0.5 U	0.5 U
		8/16/11	**26.0**	NA	NA	NA
		8/23/11	**30.0**	NA	NA	NA
		8/30/11	**34.0**	NA	NA	NA
		9/06/11	**37.0**	0.5 U	0.5 U	**0.6**
	WELL 05	3/11/11	**21.0**	**2.1**	**1.3**	**4.9**
		3/23/11	NA	**2.2**	**0.9**	**3.1**
		4/01/11	**36.0**	**3.5**	**1.0**	**3.9**
		4/12/11	**32.0**	NA	NA	NA
		7/07/11	**44.0**	**4.1**	**1.1**	**4.0**
		7/12/11	**37.0**	NA	NA	NA
		7/19/11	**35.0**	NA	NA	NA
		7/26/11	**33.0**	NA	NA	NA
		8/02/11	**31.0**	**3.2**	**0.8**	**3.2**
		8/09/11	**30.0**	NA	NA	NA
		8/16/11	**29.0**	NA	NA	NA
		8/23/11	**29.0**	NA	NA	NA
		8/30/11	**29.0**	NA	NA	NA

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
LINCOLN AVENUE WATER CO. (con't)	WELL 05 (con't)	9/06/11	**30.0**	**2.3**	**0.7**	**2.4**
RUBIO CANON LAND & WATER ASSOCIATION	WELL 04	8/16/10	4.0 U	NA	NA	NA
		8/23/10	4.0 U	NA	NA	NA
		8/30/10	4.0 U	NA	NA	NA
		9/07/10	4.0 U	NA	NA	NA
		9/13/10	4.0 U	NA	NA	NA
		9/20/10	4.0 U	NA	NA	NA
		9/27/10	4.0 U	NA	NA	NA
		10/04/10	4.0 U	NA	NA	NA
		10/11/10	4.0 U	NA	NA	NA
		10/18/10	4.0 U	NA	NA	NA
		10/25/10	4.0 U	NA	NA	NA
		11/15/10	4.0 U	NA	NA	NA
		11/22/10	4.0 U	NA	NA	NA
		11/29/10	4.0 U	NA	NA	NA
		12/06/10	4.0 U	NA	NA	NA
		12/13/10	4.0 U	NA	NA	NA
		12/20/10	4.0 U	NA	NA	NA
		12/27/10	4.0 U	NA	NA	NA
		1/03/11	4.0 U	NA	NA	NA
		2/07/11	4.0 U	0.5 U	0.5 U	0.5 U
		2/14/11	4.0 U	NA	NA	NA
		2/22/11	4.0 U	NA	NA	NA
		3/14/11	4.0 U	NA	NA	NA
		3/16/11	4.0 U	NA	NA	NA
		3/21/11	4.0 U	NA	NA	NA
		3/22/11	4.0 U	NA	NA	NA
		3/23/11	4.0 U	NA	NA	NA
		3/24/11	4.0 U	NA	NA	NA
		3/28/11	4.0 U	NA	NA	NA
		3/30/11	4.0 U	NA	NA	NA
		4/04/11	4.0 U	NA	NA	NA
		4/11/11	4.0 U	NA	NA	NA
		4/18/11	4.0 U	NA	NA	NA
		4/25/11	4.0 U	NA	NA	NA
		5/23/11	4.0 U	NA	NA	NA
		5/31/11	4.0 U	NA	NA	NA
		6/06/11	4.0 U	NA	NA	NA
		6/13/11	4.0 U	NA	NA	NA
		6/20/11	4.0 U	NA	NA	NA
		6/27/11	4.0 U	NA	NA	NA
		7/05/11	4.0 U	NA	NA	NA
		7/11/11	4.0 U	NA	NA	NA
		7/18/11	4.0 U	NA	NA	NA
		7/25/11	4.0 U	NA	NA	NA
		8/01/11	4.0 U	NA	NA	NA
		8/08/11	4.0 U	NA	NA	NA
		8/15/11	4.0 U	NA	NA	NA
		8/22/11	4.0 U	NA	NA	NA
		8/29/11	4.0 U	NA	NA	NA

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
RUBIO CANON LAND & WATER ASSOCIATION (con't)	WELL 04 (con't)	9/06/11	4.0 U	NA	NA	NA
	WELL 07	8/16/10	4.0 U	NA	NA	NA
		8/23/10	4.0 U	NA	NA	NA
		8/30/10	4.0 U	NA	NA	NA
		9/07/10	4.0 U	NA	0.5 U	NA
		9/13/10	4.0 U	NA	NA	NA
		9/20/10	4.0 U	NA	NA	NA
		9/27/10	4.0 U	NA	NA	NA
		10/04/10	4.0 U	NA	0.5 U	NA
		10/11/10	4.0 U	NA	NA	NA
		10/18/10	4.0 U	NA	NA	NA
		10/25/10	4.0 U	NA	NA	NA
		11/15/10	4.0 U	NA	NA	NA
		11/22/10	4.0 U	NA	NA	NA
		11/29/10	4.0 U	NA	NA	NA
		12/06/10	4.0 U	NA	0.5 U	NA
		12/13/10	4.0 U	NA	NA	NA
		12/20/10	4.0 U	NA	NA	NA
		12/27/10	4.0 U	NA	NA	NA
		1/03/11	4.0 U	NA	**0.8**	NA
		2/07/11	4.0 U	0.5 U	**0.8**	**0.5**
		2/14/11	4.0 U	NA	NA	NA
		2/22/11	4.0 U	NA	NA	NA
		3/14/11	4.0 U	NA	NA	NA
		3/16/11	4.0 U	NA	NA	NA
		3/21/11	4.0 U	NA	NA	NA
		3/22/11	4.0 U	NA	NA	NA
		3/23/11	4.0 U	NA	NA	NA
		3/24/11	4.0 U	NA	NA	NA
		3/28/11	4.0 U	NA	NA	NA
		3/30/11	4.0 U	NA	NA	NA
		4/04/11	4.0 U	NA	**0.6**	NA
		4/11/11	4.0 U	NA	NA	NA
		4/18/11	4.0 U	NA	NA	NA
		4/25/11	4.0 U	NA	NA	NA
		5/23/11	4.0 U	NA	NA	NA
		5/31/11	4.0 U	NA	NA	NA
		6/06/11	4.0 U	NA	NA	NA
		6/13/11	4.0 U	NA	NA	NA
		6/20/11	4.0 U	NA	NA	NA
		6/27/11	4.0 U	NA	NA	NA
		7/05/11	4.0 U	NA	0.5 U	NA
		7/11/11	4.0 U	NA	NA	NA
		7/18/11	4.0 U	NA	NA	NA
		7/25/11	4.0 U	NA	NA	NA
		8/01/11	4.0 U	NA	NA	NA
		8/08/11	4.0 U	NA	NA	NA
		8/15/11	4.0 U	NA	NA	NA
		8/22/11	4.0 U	NA	NA	NA
		8/29/11	4.0 U	NA	NA	NA

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
RUBIO CANON LAND & WATER ASSOCIATION (con't)	WELL 07 (con't)	9/06/11	4.0 U	NA	NA	NA
LAS FLORES WATER CO.	WELL 02	8/16/10	**5.4**	NA	0.5 U	NA
		8/23/10	**5.2**	NA	0.5 U	NA
		8/30/10	**5.1**	NA	0.5 U	NA
		9/07/10	**5.1**	NA	0.5 U	NA
		9/13/10	**4.9**	NA	0.5 U	NA
		9/20/10	**6.0**	NA	0.5 U	NA
		9/27/10	**6.1**	NA	0.5 U	NA
		10/04/10	**5.6**	NA	0.5 U	NA
		10/11/10	**5.1**	NA	0.5 U	NA
		10/18/10	**6.1**	NA	0.5 U	NA
		10/25/10	**5.8**	NA	0.5 U	NA
		11/15/10	**5.9**	NA	0.5 U	NA
		11/23/10	**6.2**	NA	0.5 U	NA
		11/29/10	**5.3**	NA	0.5 U	NA
		12/06/10	**6.3**	NA	0.5 U	NA
		12/13/10	**6.1**	NA	0.5 U	NA
		12/20/10	**5.9**	NA	0.5 U	NA
		12/27/10	**8.4**	NA	0.5 U	NA
		1/04/11	**5.5**	NA	0.5 U	NA
		1/10/11	**6.8**	NA	0.5 U	NA
		1/17/11	**6.4**	NA	0.5 U	NA
		1/24/11	**6.2**	NA	0.5 U	NA
		1/31/11	**6.2**	NA	0.5 U	NA
		2/07/11	**6.7**	NA	0.5 U	NA
		2/14/11	**6.9**	NA	0.5 U	NA
		2/22/11	**7.3**	NA	0.5 U	NA
		3/14/11	**5.1**	NA	0.5 U	NA
		3/28/11	**6.6**	NA	0.5 U	NA
		4/04/11	**9.6**	NA	0.5 U	NA
		4/11/11	**7.0**	NA	0.5 U	NA
		4/18/11	**7.1**	NA	0.5 U	NA
		4/25/11	**7.1**	NA	0.5 U	NA
		5/23/11	**6.0**	NA	0.5 U	NA
		5/31/11	**7.4**	NA	0.5 U	NA
		6/06/11	**8.5**	NA	0.5 U	NA
		6/13/11	**7.1**	NA	0.5 U	NA
		6/20/11	**7.7**	NA	0.5 U	NA
		6/27/11	**6.9**	NA	0.5 U	NA
		7/05/11	**7.0**	NA	0.5 U	NA
		7/11/11	**6.3**	NA	0.5 U	NA
		7/18/11	**6.0**	NA	0.5 U	NA
		7/25/11	**5.5**	NA	0.5 U	NA
		8/01/11	**5.7**	0.5 U	0.5 U	0.5 U
		8/08/11	**5.4**	NA	0.5 U	NA
		8/15/11	**6.4**	NA	0.5 U	NA
		8/22/11	**7.6**	NA	0.5 U	NA
		8/29/11	**5.9**	NA	0.5 U	NA
		9/06/11	**6.6**	NA	0.5 U	NA

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
LA CANADA IRRIGATION DIST.	WELL 01	8/30/10	4.0 U	NA	NA	NA
		9/27/10	NA	NA	**0.8**	**1.7**
		11/29/10	**4.0**	NA	NA	NA
		12/27/10	NA	NA	**0.7**	**1.9**
		2/22/11	**5.0**	NA	NA	NA
		3/15/11	NA	0.5 U	**0.6**	**1.9**
		5/23/11	4.0 U	NA	NA	NA
		6/13/11	NA	NA	**0.8**	**1.7**
		8/22/11	**4.3**	NA	NA	NA
	WELL 06	9/27/10	4.0 U	NA	0.5 U	0.5 U
		12/27/10	NA	0.5 U	0.5 U	**0.8**
		3/21/11	NA	NA	0.5 U	**0.5**
		6/27/11	NA	NA	0.5 U	0.5 U
VALLEY WATER CO.	WELL 01	9/07/10	**4.1**	NA	NA	NA
		9/09/10	NA	0.5 U	**2.1**	**1.5**
		10/07/10	4.0 U	0.5 U	**2.0**	**1.6**
		5/11/11	**4.9**	NA	NA	NA
		6/03/11	4.0 U	0.5 U	**2.0**	**0.6**
		7/06/11	4.0 U	0.5 U	**2.2**	**1.0**
		8/03/11	4.0 U	0.5 U	**1.9**	**0.6**
	WELL 02	9/07/10	**4.4**	NA	NA	NA
		9/09/10	NA	0.5 U	**2.8**	**0.7**
		10/07/10	**4.4**	0.5 U	**4.3**	**0.6**
		3/18/11	4.0 U	0.5 U	0.5 U	0.5 U
		5/11/11	4.0 U	NA	NA	NA
		6/03/11	4.0 U	0.5 U	**4.0**	**0.5**
		7/06/11	4.0 U	0.5 U	**5.9**	**0.7**
		8/03/11	4.0 U	0.5 U	**4.8**	**0.6**
		9/06/11	NA	0.5 U	**2.4**	**0.9**
	WELL 03	9/07/10	4.0 U	NA	NA	NA
		5/11/11	**4.6**	NA	NA	NA
		6/03/11	4.0 U	0.5 U	**1.4**	**0.6**
		7/06/11	4.0 U	0.5 U	**1.6**	**0.6**
		8/03/11	4.0 U	0.5 U	**1.1**	0.5 U
	WELL 04	12/06/10	NA	0.5 U	**2.2**	**2.6**
		5/11/11	4.0 U	NA	NA	NA
		6/03/11	4.0 U	0.5 U	**1.5**	**1.4**
		7/06/11	4.0 U	0.5 U	**1.7**	**1.5**
		8/03/11	4.0 U	0.5 U	**1.8**	**1.5**
PASADENA-CITY, WATER DEPT.	ARROYO	3/22/11	**76.4**	**0.7**	**0.6**	**1.1**
		3/29/11	**77.8**	**0.6**	**0.6**	**0.9**
		7/07/11	**108.0**	**0.9**	**0.6**	**0.9**
		7/12/11	**75.3**	**1.1**	**0.5**	**0.8**
		7/19/11	**79.5**	**1.5**	**0.5**	**0.8**
		7/26/11	**79.5**	**1.7**	**0.5**	**0.8**
		8/02/11	**77.4**	**2.1**	**0.6**	**0.8**
		8/09/11	**81.6**	**2.2**	**0.5**	**0.8**
		8/16/11	**78.2**	**2.6**	**0.6**	**0.8**
		8/17/11	**76.4**	NA	NA	NA
		8/23/11	**80.1**	**2.8**	**0.5**	**0.8**

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
PASADENA-CITY, WATER DEPT. (con't)	ARROYO (con't)	8/30/11	**76.5**	**2.6**	**0.5**	**0.8**
		9/06/11	**77.9**	**3.1**	**0.5**	**0.8**
	WELL 52	3/22/11	**15.8**	0.5 U	**0.8**	**0.9**
		3/29/11	**16.8**	0.5 U	**0.6**	**0.7**
California Maximum Contaminant Level (MCL)			6.0 *	0.5	5.0	5.0
EPA Region IX Maximum Contaminant Level			NE	5.0	5.0	5.0

Notes

NA	Not analyzed
NE	Not established
*	Interim Action Level - California Department of Public Health
Source	California Department of Public Health Drinking Water Program, California Drinking Water Data, January 4, 2005
U	Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

TABLE 4

TENTATIVELY IDENTIFIED COMPOUNDS

IN SAMPLES COLLECTED DURING THE AUG/SEP 2011 SAMPLING EVENT

(All concentrations reported in µg/L.)

Sampling Location	Sample Type	Tentatively Identified Compound	Concentration
MW-11-1	NORMAL	Sulfur dioxide	0.0025
MW-11-1	DUP	Sulfur dioxide	0.0022
MW-11-2	NORMAL	Sulfur dioxide	0.003
MW-11-3	NORMAL	Sulfur dioxide	0.0045
MW-11-4	NORMAL	Sulfur dioxide	0.0058
MW-12-2	NORMAL	Sulfur dioxide	0.0026
MW-12-3	NORMAL	Sulfur dioxide	0.0041
MW-12-4	NORMAL	Sulfur dioxide	0.0031
MW-12-5	NORMAL	Sulfur dioxide	0.0028
MW-20-1	NORMAL	Sulfur dioxide	0.0043
MW-20-2	NORMAL	Sulfur dioxide	0.0028
MW-20-3	NORMAL	Sulfur dioxide	0.012
MW-20-4	NORMAL	Sulfur dioxide	0.012
MW-20-4	DUP	Sulfur dioxide	0.011
MW-20-5	NORMAL	Sulfur dioxide	0.016
MW-24-1	NORMAL	Sulfur dioxide	0.0045
MW-25-5	NORMAL	Sulfur dioxide	0.014