Technical Memorandum

Second Quarter 2009 Groundwater Monitoring Summary
National Aeronautics and Space Administration
Jet Propulsion Laboratory, Pasadena, California

Final July 2009

This technical memorandum summarizes the results of the second quarter 2009 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 second quarter 2009 sampling event, groundwater samples were collected from 25 JPL monitoring wells (MWs), both on- and off-facility, and analyzed for volatile organic compounds (VOCs), total chromium, hexavalent chromium [Cr(VI)], and perchlorate.

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 both 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. Table 3 summarizes VOC and perchlorate concentrations in production wells located near the JPL facility. The tentatively identified compound (TIC) results are presented in Table 4. Table 1-1 summarizes contaminants detected in quality control samples. Figure 1 shows the location of all JPL monitoring wells.

Several figures are included in this technical memorandum to show the chemical concentrations detected in samples collected from the JPL monitoring wells during the second quarter 2009 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 trichlorethene (TCE) concentrations in groundwater and Figure 8 shows groundwater elevation contours and groundwater flow directions.

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

For this technical memorandum, 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-1, MW-3, MW-4, MW-5, MW-9, 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).

Well MW-2 has not been sampled as part of 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 which 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.

In March 2005, NASA began full-scale operation of a groundwater treatment system located in the vicinity of MW-7. The treatment system was designed to extract groundwater from the area within the JPL facility which has historically contained the highest concentrations of perchlorate and VOCs (i.e., the source area). The groundwater is treated at an aboveground treatment facility to remove perchlorate and VOCs, filtered to remove residual solids, and then re-injected at a location north (i.e., upgradient) of wells MW-7 and MW-24. The Operable Unit (OU) -1 source area treatment system expansion activities were completed at the end of January 2008. The expansion addresses chemicals in the groundwater that are in the vicinity of MW-16 and MW-24. During 2005-2009, 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 later in this memorandum.

PERCHLORATE ANALYTICAL RESULTS

- During the second quarter 2009 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 all four on-facility source area wells (MW-7, MW-13, MW-16 and MW-24 [Screens 2]).
- Perchlorate was detected in MW-24 [Screen 1] at 4.0 µg/L, which is below the state MCL of 6.0 µg/L.
- Perchlorate concentrations increased from the first quarter 2009 to the second quarter 2009 in MW-7 (1.7 µg/L to 9.4 J µg/L), and MW-13 (13.9 µg/L to 972 µg/L).
- Perchlorate concentrations decreased from the first quarter 2009 to the second quarter 2009 in MW-16 (18.0 µg/L to 9.5 J µg/L) and MW-24 (Screens 1, 2, 3 and 4 [326 µg/L to 4.0 µg/L; 14.6 µg/L to 12.9 µg/L; 20.3 µg/L to non-detect; and 5.8 µg/L to non-detect, respectively).
- Perchlorate concentrations in MW-16 continue to show a significant reduction since the expansion of OU-1 was completed in January 2008.

VOC Analytical Results

- Carbon tetrachloride was not detected in any of the on-facility source area wells during the second quarter of 2009 with a detection limit of 0.5 µg/L.
- TCE increased from the first quarter 2009 to the second quarter 2009 in MW-13 (non-detect to 0.9 µg/L, which is below the state MCL of 5.0 µg/L), while wells MW-7, MW-16 and MW-24 (Screens 1 through 5) remained at non-detect with a detection limit of 0.5 µg/L.
- PCE was detected in MW-13 at 0.5 µg/L, which is below the state and federal MCL of 5.0 µg/L.

Other Notable Detections

- During the second quarter of 2009, Cr(VI) was detected below the state MCL of 50.0 µg/L in MW-7 (13 µg/L), MW-13 (28 µg/L) and MW-16 (25 µg/L).
- Total chromium was detected below the state MCL of 50.0 µg/L in MW-7 (11.0 µg/L), MW-13 (33.0 µg/L) and MW-16 (28.0 µg/L) with a detection limit of 5.0 µg/L.

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

- Perchlorate was detected in wells MW-6 (2.1 µg/L), MW-8 (45.4 µg/L), MW-22 (Screens 1 [2.3 µg/L], 2 [2.1 µg/L] and 3 [2.5 µg/L]) and MW-23 (Screens 1 [2.6 µg/L] and 2 [4.1 µg/L]); however, MW-8 was the only well to exceed the state MCL of 6.0 µg/L.
- Perchlorate concentrations in MW-8 decreased from 171 µg/L during the first quarter 2009 to 45.4 µg/L in the second quarter 2009. From the fourth quarter 2006 to the second quarter 2009, perchlorate concentrations have fluctuated from a low of 30 µg/L (second quarter 2008) to a high of 310 µg/L (first quarter 2008).
- Perchlorate was not detected in MW-11 with a detection limit of 0.5 µg/L.

VOC Analytical Results

- Carbon tetrachloride was not detected in any of the other on-facility wells during the second quarter of 2009.
- TCE was detected in wells MW-6 (2.9 µg/L) and MW-23 (Screens 1 [1.0 µg/L] and 2 [0.8 µg/L]); however, the detections remained below the state and federal MCL of 5.0 µg/L.
- PCE was detected in wells MW-6 (1.2 µg/L) and MW-22 (Screen 1 [0.7 µg/L]); however, the state and federal MCL for PCE (5.0 µg/L) was not exceeded in these samples.

Other Notable Detections

- During the second quarter of 2009, Cr(VI) was not detected in any of the other on-facility wells with a detection limit of 10 µg/L.
- Total chromium was detected below the state MCL of 50.0 µg/L in MW-6 (23.0 µg/L) and MW-8 (7.5 µg/L) with a detection limit of 5.0 µg/L.

PERIMETER OFF-FACILITY WELLS

The perimeter off-facility wells are located near the JPL fence line along the perimeter of the property. All nine wells in this group were sampled during the second quarter 2009, including MW-1, MW-3, MW-4, MW-5, MW-9, MW-10, MW-12, MW-14 and MW-15.

PERCHLORATE ANALYTICAL RESULTS

- During the second quarter 2009, perchlorate was detected in five of the perimeter off-facility wells, including MW-3 (Screen 2), MW-4 (Screen 2), MW-10, MW-12 (Screens 1, 2, 4 and 5) and MW-14 (Screens 1, 2, 3 and 4). Perchlorate concentrations only exceeded the state MCL in MW-3 (Screen 2 [121 µg/L]).
- The perchlorate concentration decreased in MW-3 (Screens 4 [7.3 µg/L to non-detect] and 5 [3.9 µg/L to non-detect]) from the first quarter 2009 to the second quarter 2009.
- Perchlorate concentrations in MW-3 (Screen 2) increased from 98.7 µg/L during the first quarter 2009 to 121 µg/L during the second quarter 2009.
- Perchlorate levels in MW-4 (Screen 1) decreased from the first quarter of 2009 to the second quarter of 2009 (16.0 µg/L to non-detect). Historically, the perchlorate concentration in MW-4 (Screen 1) has been non-detect; however, starting the first quarter of 2007, perchlorate concentrations have been present except for the second quarter of 2008 and 2009.
- Perchlorate concentrations in MW-4 (Screen 2) remained relatively consistent since the last quarter (2.1 µg/L to 2.0 µg/L).
- In MW-5, perchlorate concentrations decreased from 8.3 µg/L to non-detect from the first quarter 2009 to the second quarter 2009, respectively.
- The perchlorate concentration in MW-10 increased slightly from 2.5 µg/L to 2.7 µg/L between the first quarter 2009 and second quarter 2009.
- During the second quarter 2009, perchlorate was detected in MW-12 (Screens 1, 2, 4, and 5) at 1.0 µg/L, 2.1 µg/L, 3.0 µg/L and 2.0 µg/L, respectively. However, no detection exceeded the state MCL of 6.0 µg/L. Historically, perchlorate in MW-12 is either non-detect or detected at low concentrations.
- Perchlorate concentrations were detected in four of the five screens within MW-14 during the second quarter of 2009, including Screen 1 (2.6 µg/L), Screen 2 (3.3 µg/L), Screen 3 (4.9 µg/L) and Screen 4 (2.9 µg/L). However, no detection exceeded the state MCL of 6.0 µg/L.
- Perchlorate concentrations in MW-1, MW-3 (Screens 1, 3, 4 and 5), MW-4 (Screens 1, 3, 4 and 5), MW-5, MW-9, MW-12 (Screen 3), and MW-14 (Screen 5) and MW-15 were non-detect during the second quarter 2009.

VOC ANALYTICAL RESULTS

- During the second quarter 2009, carbon tetrachloride was detected in MW-12 (Screen 4 [0.8µg/L]) at a concentration in excess of the state MCL (0.5 µg/L).
- TCE was detected in wells MW-4 (Screen 2), MW-10 and MW-14 (Screens 1, 2 and 3) during the second quarter 2009. Concentrations of TCE exceeded the state and federal MCL (5.0 µg/L) only in MW 14 (Screen 2 [7.1 µg/L]).
- In the second quarter 2009, PCE was detected in MW-10 (1.2 µg/L). The PCE state and federal MCL is 5.0 µg/L.

OTHER NOTABLE RESULTS

- During the second quarter of 2009, Cr(VI) was not detected in any of the other on-facility wells with a detection limit of 10 µg/L.
- Total chromium was detected below the state MCL of 50.0 µg/L in MW-5 (5.1 µg/L), MW-10 (11.0 µg/L) and MW-15 (6.8 µg/L) with a detection 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.

PERCHLORATE ANALYTICAL RESULTS

- During the second quarter 2009, concentrations of perchlorate in excess of the state MCL (6.0 µg/L) were reported in five off-facility wells (MW-17 [Screen 3], MW-18 [Screens 3 and 4], MW-19 [Screen 1], MW-20 [Screens 4 and 5] and MW-25 [Screens 1 through 4]).
- Perchlorate concentrations in MW-18 (Screens 3 and 4) increased slightly from the first quarter 2009 to the second quarter 2009 (Screens 3 [45.3 µg/L to 55.9 µg/L] and 4 [41.4 µg/L to 45.7 µg/L]).
- Perchlorate concentrations in MW-17 (Screen 3) decreased slightly from a concentration of 13.9 µg/L in the first quarter 2009 to 12.9 µg/L in the second quarter 2009.
- Perchlorate concentrations decreased from the first quarter 2009 to the second quarter 2009 in MW-20 (Screens 2 [from 3.0 µg/L to non-detect], 4 [from 61.0 µg/L to non-detect] and 5 [from 19.7 µg/L to non-detect]). The second quarter 2009 event ends three consecutive prior quarters of perchlorate concentrations exceeding the state MCL (6.0 µg/L) in MW-20 (Screens 4 and 5). Perchlorate results in MW-20 will continue to be closely evaluated during subsequent sampling events.
- During the second quarter 2009, perchlorate concentrations in Screens 1, 2, 3, and 4 of MW-25 were detected above the state MCL (6.0 µg/L) at concentrations of 9.3 µg/L, 13.4 µg/L, 8.4 µg/L, and 7.2 µg/L, respectively.
- Perchlorate was detected at concentrations below the state MCL (6.0 µg/L) during the second quarter 2009 in MW-17 (Screen 2 [5.3 µg/L]), MW-19 (Screens 2 [5.1 µg/L], 3 [2.9 µg/L], 4 [3.1 µg/L] and 5 [2.8 µg/L]), MW-21 (Screens 1 [2.4 µg/L], 2 [2.1 µg/L], 3 [2.8 µg/L], 4 [2.0 µg/L] and 5 [3.0 µg/L]) and MW-26 (Screen 1 [1.7 J µg/L]).
- Concentrations of perchlorate were not detected in MW-17 (Screens 1, 4 and 5), MW-18 (Screens 1, 2 and 5), MW-20 (Screens 1 through 5), MW-25 (Screen 5) and MW-26 (Screen 2).

VOC ANALYTICAL RESULTS

- During the second quarter 2009, concentrations of carbon tetrachloride in excess of the state MCL (0.5 µg/L) were reported in samples collected from MW-17 (Screen 3) at 0.7 µg/L, as well as MW-18 (Screens 3 and 4), with concentrations of 15.0 µg/L and 10.0 µg/L, respectively.
- TCE was detected in four off-facility wells, including MW-17 (Screens 2, 3, and 4), MW-18 (Screens 3 and 4), MW-19 (Screens 1 and 2), and MW-21 (Screen 3); however, none of the off-facility wells contained concentrations of TCE exceeding the state and federal MCL (5.0 µg/L) during the second quarter 2009.

- PCE was detected in two off-facility wells: MW-19 (Screen 5), and MW-21 (Screens 2, 3, 4, and 5); however, only MW-21 (Screen 3 [5.0 µg/L]) reached the state and federal MCL (5.0 µg/L) during the second quarter 2009.
- 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; however, MW-21 (Screen 2 [4.0 µg/L]) was below the state and federal MCL (5.0 µg/L) during the second quarter 2009.

OTHER NOTABLE DETECTIONS

- During the second quarter of 2009, Cr(VI) was not detected in any of the other on-facility wells with a detection limit of 10 µg/L.
- Total chromium was detected below the state MCL of 50.0 µg/L in MW-19 (Screen 2 [5.3 µg/L]) with a detection limit of 5.0 µg/L.

ALL WELL CATEGORIES (OTHER RESULTS)

- The TIC sulfur dioxide was detected in several wells. The TIC results are presented in Table 4. After discussions with Alpha Analytical, the reported sulfur dioxide estimated results are inconclusive due to possible laboratory contamination.
- Comparing first quarter 2009 to the second quarter of 2009, groundwater levels increased an average of approximately 9.16 ft. Groundwater levels in the second quarter 2009 sampling event continue to be higher than historical values, but have decreased by an average of 22 ft from the April 2005 highs.
- Groundwater level measurements collected during the second quarter of 2009 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

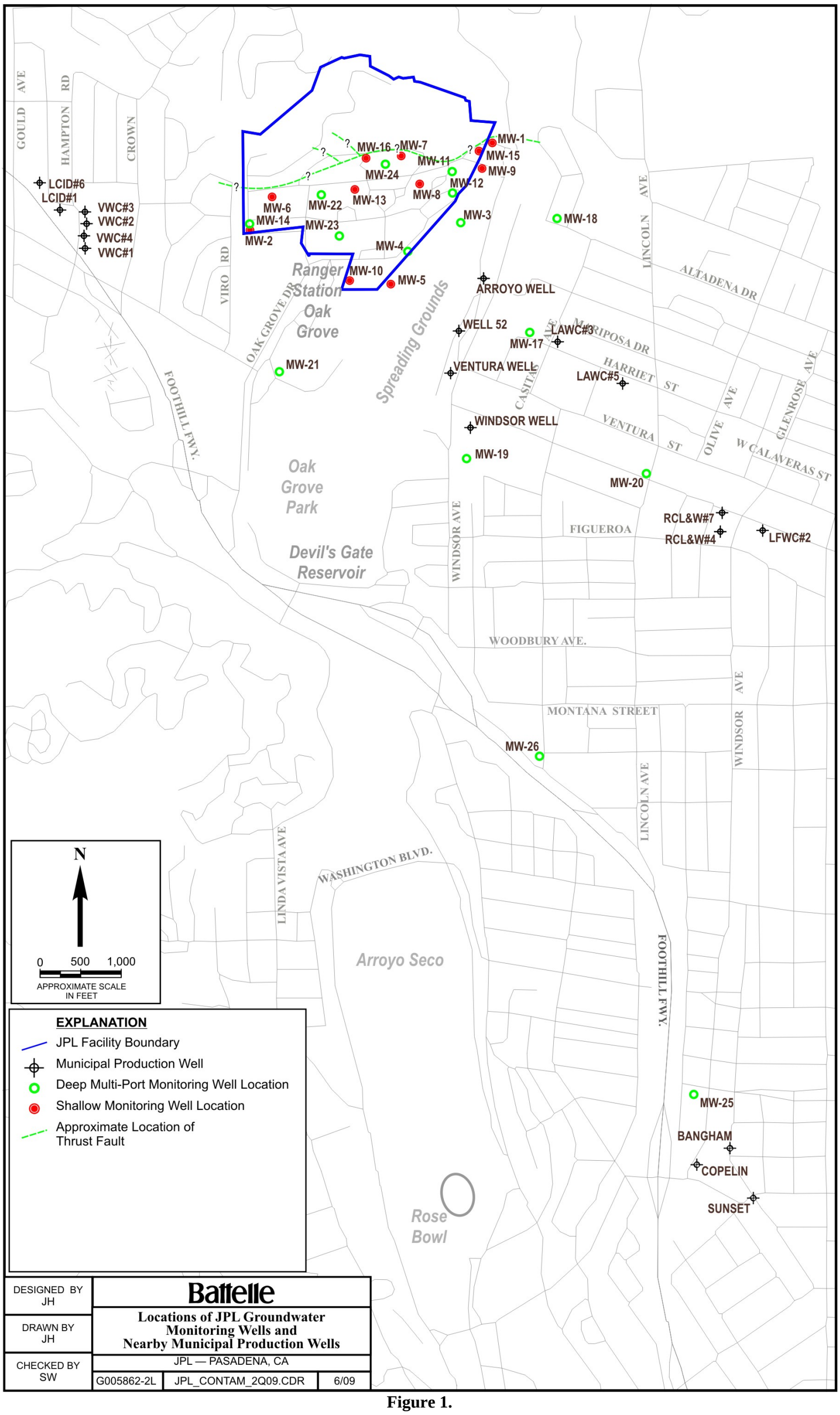
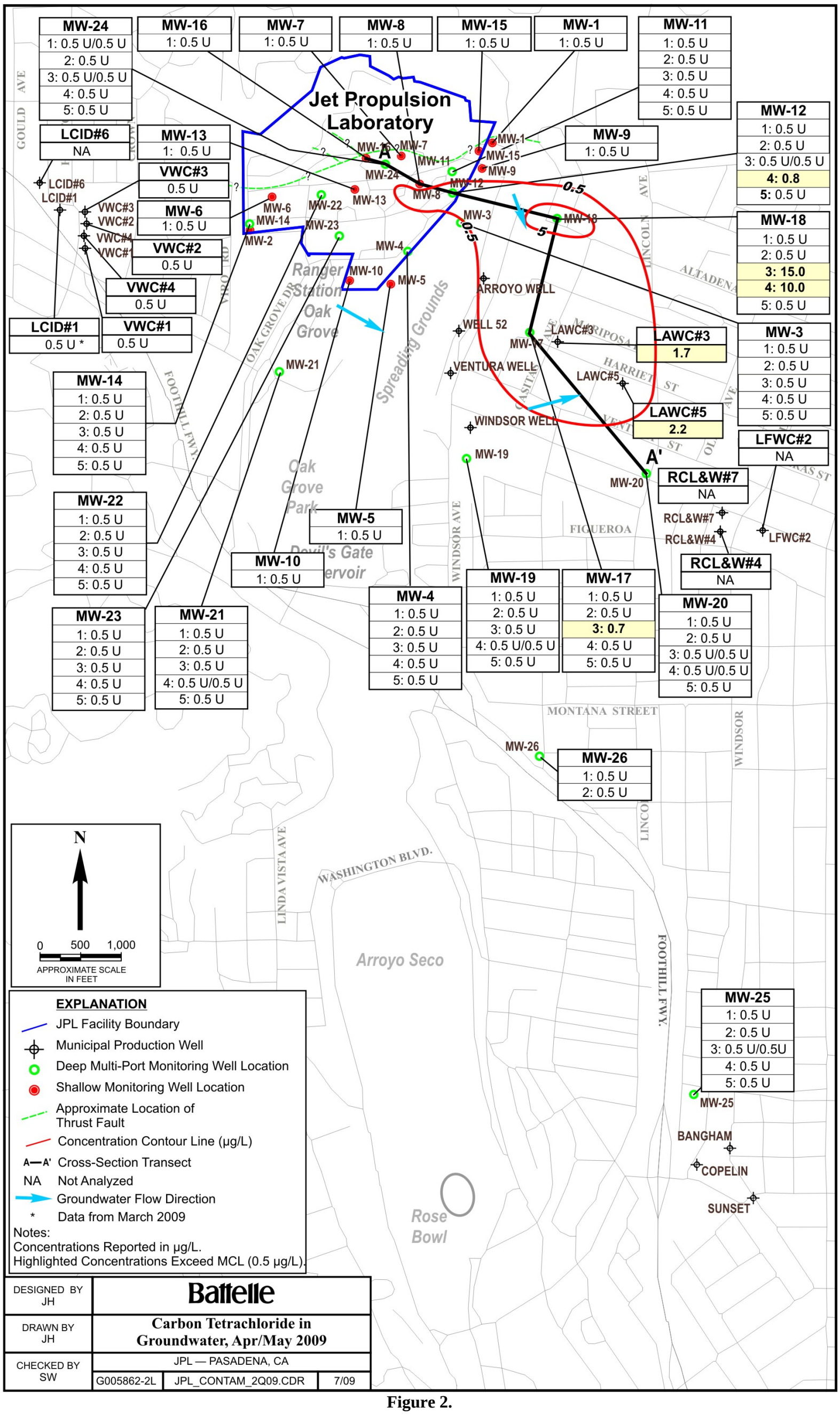

GOULD AVE
HAMPTON RD
CROWN
LCID#6
LCID#1
VWC#3
VWC#2
VWC#4
VWC#1
MW-16
MW-7
MW-1
MW-15
MW-11
MW-9
MW-24
MW-12
MW-8
MW-6
MW-22
MW-13
MW-14
MW-23
MW-3
MW-18
MW-2
MW-4
VIRO RD
Ranger Station Oak Grove
MW-10
MW-5
OAK GROVE DR
Spreading Grounds
ARROYO WELL
LINCOLN AVE
ALTADENA DR
WELL 52
LAWC#3
MW-17
MARIPOSA DR
HARRIET ST
MW-21
VENTURA WELL
LAWC#5
CASITAS AVE
OLIVE AVE
GLENROSE AVE
FOOTHILL FWY.
WINDSOR WELL
VENTURA ST
W CALAVERAS ST
MW-19
MW-20
Oak Grove Park
WINDSOR AVE
FIGUEROA
RCL&W#7
RCL&W#4
LFWC#2
Devil's Gate Reservoir
WOODBURY AVE.
MONTANA STREET
MW-26
LINCOLN AVE
WINDSOR AVE
LINDA VISTA AVE
WASHINGTON BLVD.
Arroyo Seco
FOOTHILL FWY.
MW-25
BANGHAM
COPELIN
SUNSET
Rose Bowl
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
G005862-2L
JPL_CONTAM_2Q09.CDR
6/09

Figure 1.


Jet Propulsion Laboratory
A
A'
MW-24
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5: 0.5 U
MW-16
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MW-7
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MW-8
1: 0.5 U
MW-15
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MW-1
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MW-11
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3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-12
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2: 0.5 U
3: 0.5 U/0.5 U
4: 0.8
5: 0.5 U
MW-9
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MW-18
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4: 10.0
5: 0.5 U
MW-3
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4: 0.5 U
5: 0.5 U
LCID#6
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MW-13
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VWC#3
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MW-6
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VWC#2
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VWC#4
0.5 U
LCID#1
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VWC#1
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MW-21
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MW-10
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MW-5
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MW-4
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4: 0.5 U
5: 0.5 U
MW-19
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4: 0.5 U/0.5 U
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MW-17
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3: 0.7
4: 0.5 U
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MW-20
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2: 0.5 U
3: 0.5 U/0.5 U
4: 0.5 U/0.5 U
5: 0.5 U
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RCL&W#4
NA
LFWC#2
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LAWC#3
1.7
LAWC#5
2.2
MW-26
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2: 0.5 U
MW-25
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2: 0.5 U
3: 0.5 U/0.5U
4: 0.5 U
5: 0.5 U
0.5
5
ARROYO WELL
WELL 52
VENTURA WELL
WINDSOR WELL
BANGHAM
COPELIN
SUNSET
Ranger Station Oak Grove
Oak Grove Park
Devil's Gate Reservoir
Spreading Grounds
Arroyo Seco
Rose Bowl
GOULD AVE
FOOTHILL FWY
OAK GROVE DR
VIRO RD
WINDSOR AVE
LINCOLN AVE
ALTADENA
MARIPOSA
HARRIET ST
CASITAS AVE
VENTURA ST
OLIVE AVE
MAAS ST
FIGUEROA
MONTANA STREET
WINDSOR
LINDA VISTA AVE
WASHINGTON BLVD.
FOOTHILL FWY.
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
* Data from March 2009
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, Apr/May 2009
JPL — PASADENA, CA
G005862-2L
JPL_CONTAM_2Q09.CDR
7/09

Figure 2.

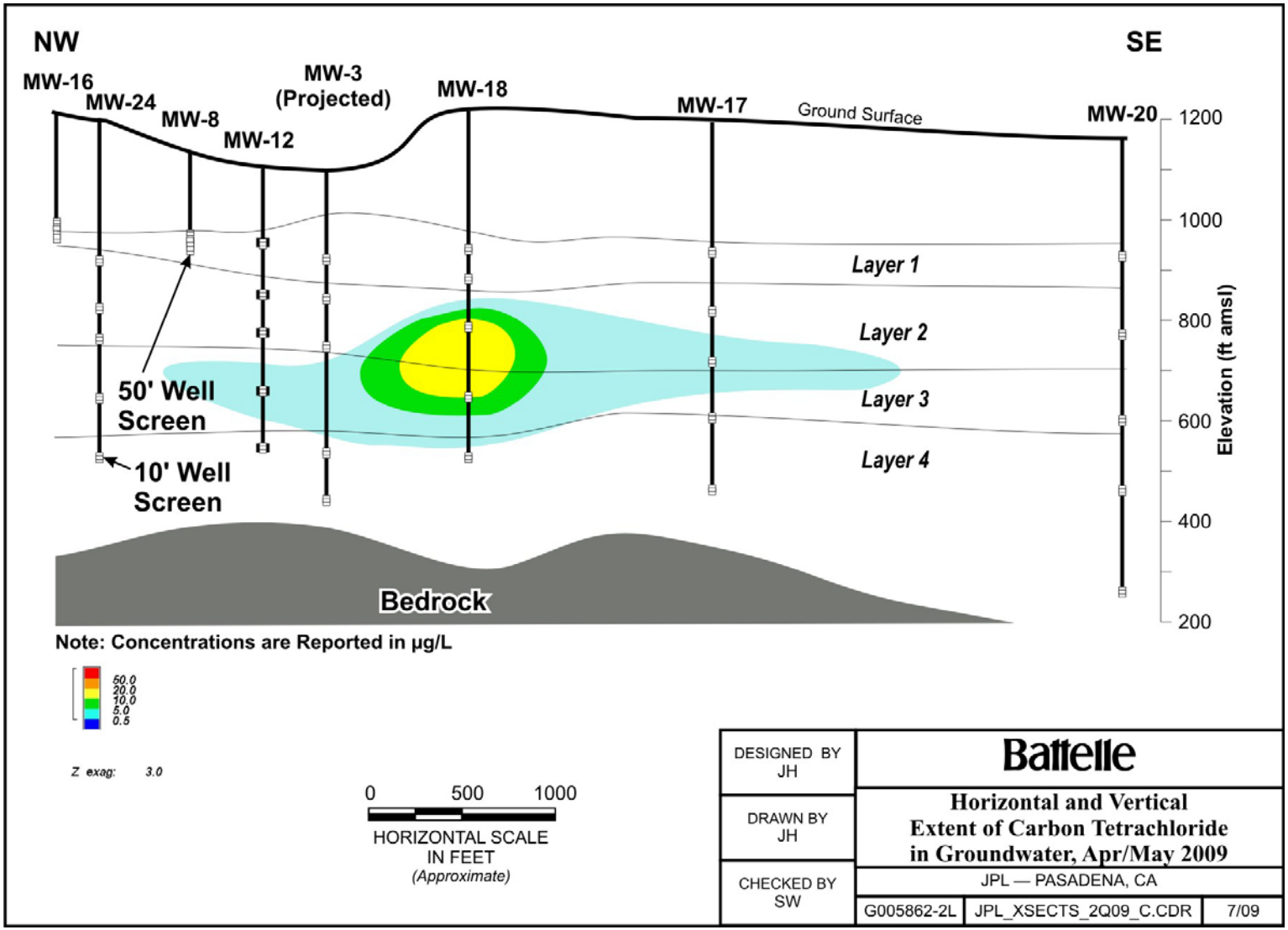
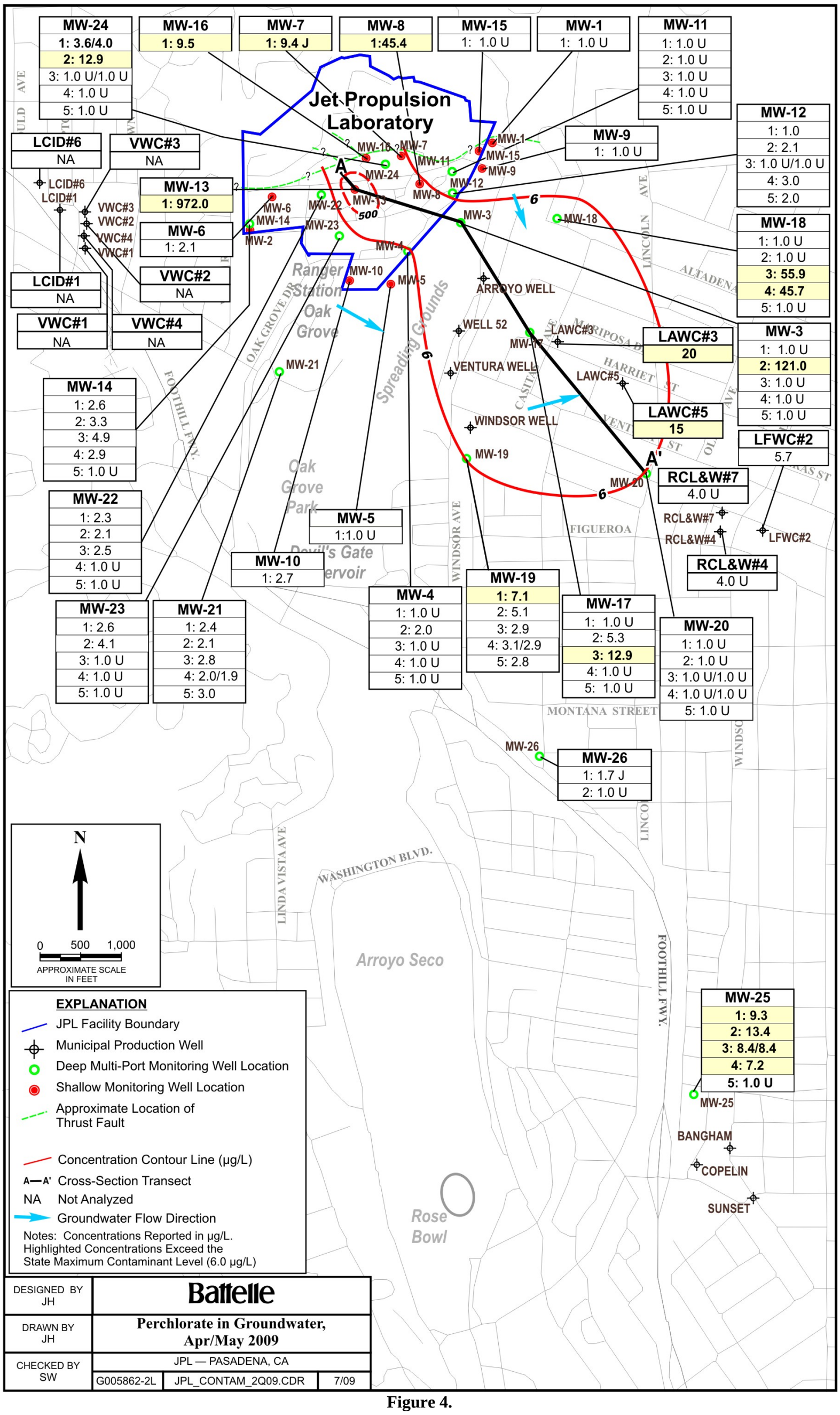

NW
SE
MW-16
MW-24
MW-8
MW-12
MW-3
(Projected)
MW-18
MW-17
Ground Surface
MW-20
1200
1000
800
600
400
200
Elevation (ft amsl)
Layer 1
Layer 2
Layer 3
Layer 4
50' Well
Screen
10' Well
Screen
Bedrock
Note: Concentrations are Reported in µg/L
50.0
20.0
10.0
5.0
0.5
Z exag: 3.0
0
500
1000
HORIZONTAL SCALE
IN FEET
(Approximate)
DESIGNED BY
JH
DRAWN BY
JH
CHECKED BY
SW
Battelle
Horizontal and Vertical
Extent of Carbon Tetrachloride
in Groundwater, Apr/May 2009
JPL — PASADENA, CA
G005862-2L
JPL_XSECTS_2Q09_C.CDR
7/09

Figure 3.


Jet Propulsion Laboratory
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4: 1.0 U
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MW-16
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MW-7
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MW-8
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MW-15
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MW-1
1: 1.0 U
MW-11
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4: 1.0 U
5: 1.0 U
MW-9
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MW-12
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2: 2.1
3: 1.0 U/1.0 U
4: 3.0
5: 2.0
MW-18
1: 1.0 U
2: 1.0 U
3: 55.9
4: 45.7
5: 1.0 U
MW-3
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3: 1.0 U
4: 1.0 U
5: 1.0 U
LFWC#2
5.7
LCID#6
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VWC#3
NA
LCID#1
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VWC#2
NA
VWC#1
NA
VWC#4
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MW-13
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MW-6
1: 2.1
MW-14
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2: 3.3
3: 4.9
4: 2.9
5: 1.0 U
MW-22
1: 2.3
2: 2.1
3: 2.5
4: 1.0 U
5: 1.0 U
MW-23
1: 2.6
2: 4.1
3: 1.0 U
4: 1.0 U
5: 1.0 U
MW-21
1: 2.4
2: 2.1
3: 2.8
4: 2.0/1.9
5: 3.0
MW-10
1: 2.7
MW-5
1:1.0 U
MW-4
1: 1.0 U
2: 2.0
3: 1.0 U
4: 1.0 U
5: 1.0 U
MW-19
1: 7.1
2: 5.1
3: 2.9
4: 3.1/2.9
5: 2.8
MW-17
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2: 5.3
3: 12.9
4: 1.0 U
5: 1.0 U
MW-20
1: 1.0 U
2: 1.0 U
3: 1.0 U/1.0 U
4: 1.0 U/1.0 U
5: 1.0 U
LAWC#3
20
LAWC#5
15
RCL&W#7
4.0 U
RCL&W#4
4.0 U
MW-26
1: 1.7 J
2: 1.0 U
MW-25
1: 9.3
2: 13.4
3: 8.4/8.4
4: 7.2
5: 1.0 U
A
A'
MW-1
MW-15
MW-9
MW-12
MW-11
MW-16
MW-7
MW-24
MW-8
MW-13
MW-22
MW-6
MW-14
MW-2
MW-23
MW-3
MW-18
MW-4
MW-10
MW-5
MW-21
MW-19
MW-20
MW-17
MW-26
MW-25
ARROYO WELL
WELL 52
VENTURA WELL
WINDSOR WELL
LAWC#3
LAWC#5
RCL&W#7
RCL&W#4
LFWC#2
LCID#6
LCID#1
VWC#3
VWC#2
VWC#4
VWC#1
BANGHAM
COPELIN
SUNSET
Ranger Station
Oak Grove
Oak Grove Park
Rose Bowl
Arroyo Seco
Spreading Grounds
Devil's Gate Reservoir
OAK GROVE DR.
FOOTHILL FWY.
WINDSOR AVE
LINDA VISTA AVE
WASHINGTON BLVD.
MONTANA STREET
FIGUEROA
LINCOLN AVE
ALTADENA
HARRIET ST
VENTURA ST
CASITAS AVE
MARIPOSA DR
500
6
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, Apr/May 2009
JPL — PASADENA, CA
G005862-2L
JPL_CONTAM_2Q09.CDR
7/09

Figure 4.

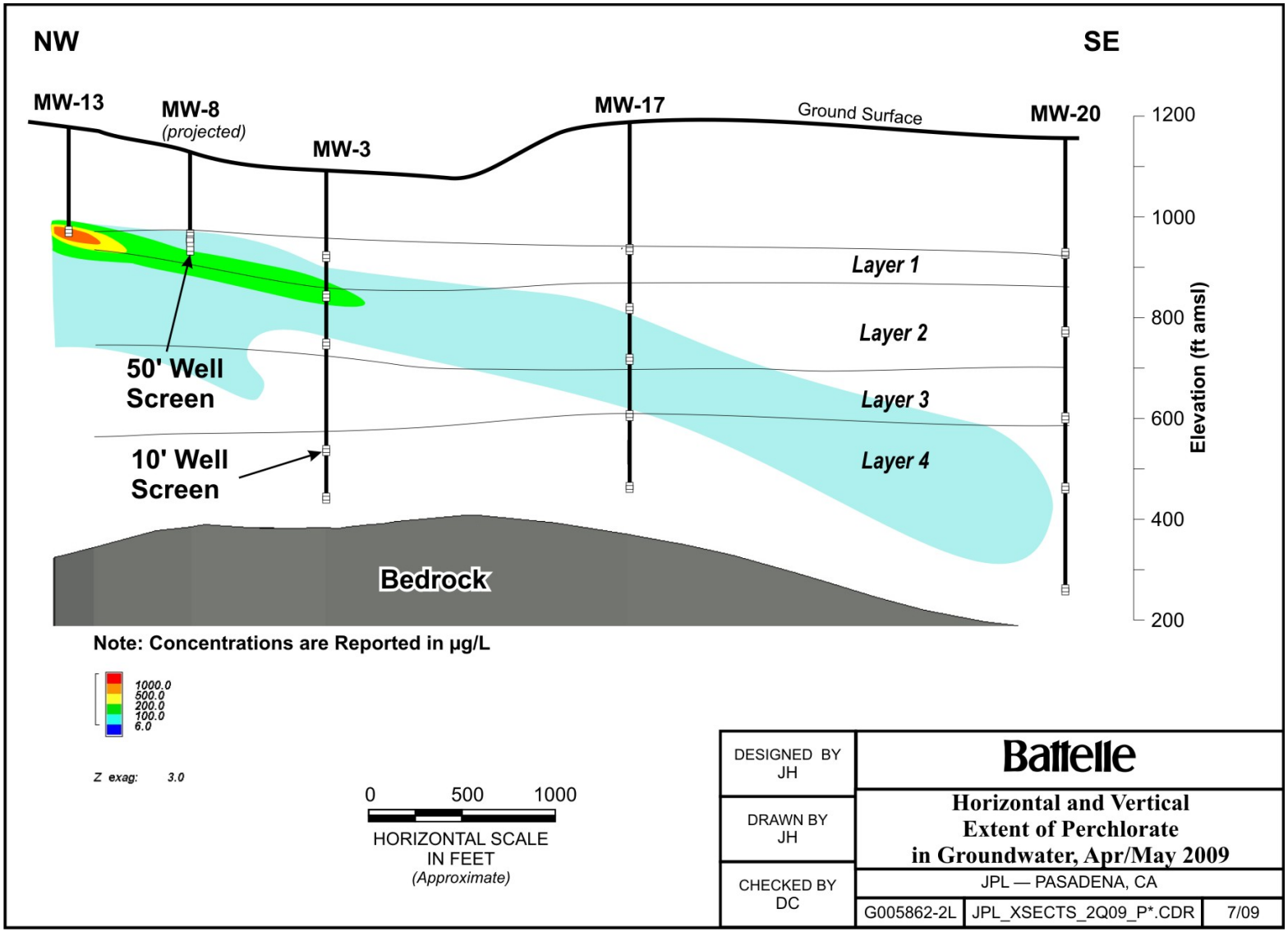
NW
SE
MW-13
MW-8
(projected)
MW-3
MW-17
Ground Surface
MW-20
1200
1000
800
600
400
200
Elevation (ft amsl)
Layer 1
Layer 2
Layer 3
Layer 4
50' Well Screen
10' Well Screen
Bedrock
Note: Concentrations are Reported in µg/L
1000.0
500.0
200.0
100.0
6.0
Z exag: 3.0
0
500
1000
HORIZONTAL SCALE IN FEET
(Approximate)
DESIGNED BY JH
DRAWN BY JH
CHECKED BY DC
Battelle
Horizontal and Vertical Extent of Perchlorate in Groundwater, Apr/May 2009
JPL — PASADENA, CA
G005862-2L
JPL_XSECTS_2Q09_P*.CDR
7/09

Figure 5.

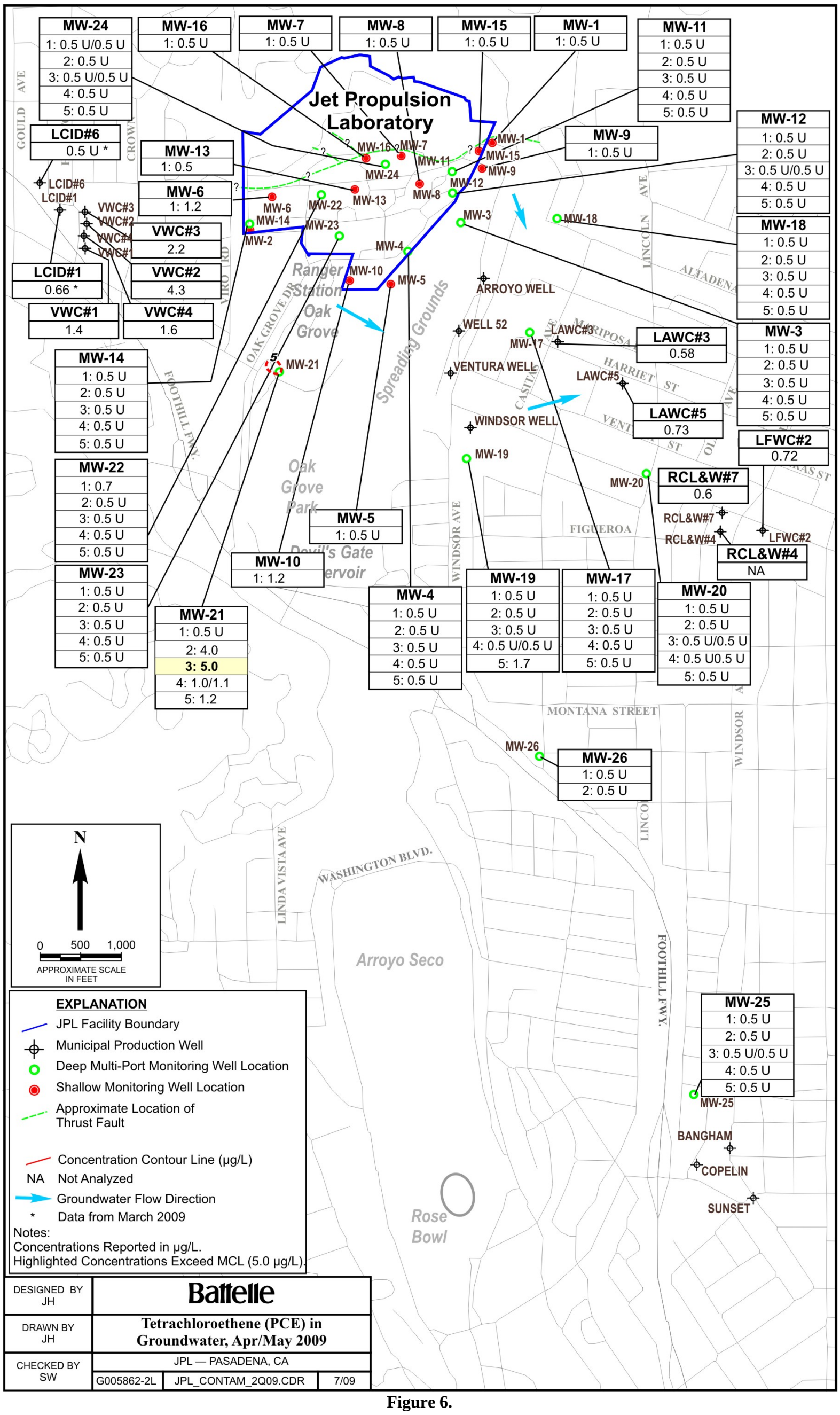
Jet Propulsion Laboratory
MW-24
1: 0.5 U/0.5 U
2: 0.5 U
3: 0.5 U/0.5 U
4: 0.5 U
5: 0.5 U
MW-16
1: 0.5 U
MW-7
1: 0.5 U
MW-8
1: 0.5 U
MW-15
1: 0.5 U
MW-1
1: 0.5 U
MW-11
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-12
1: 0.5 U
2: 0.5 U
3: 0.5 U/0.5 U
4: 0.5 U
5: 0.5 U
MW-9
1: 0.5 U
LCID#6
0.5 U *
MW-13
1: 0.5
MW-6
1: 1.2
VWC#3
2.2
VWC#2
4.3
LCID#1
0.66 *
VWC#1
1.4
VWC#4
1.6
MW-18
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-3
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
LAWC#3
0.58
LAWC#5
0.73
LFWC#2
0.72
RCL&W#7
0.6
RCL&W#4
NA
MW-14
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-22
1: 0.7
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-23
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-21
1: 0.5 U
2: 4.0
3: 5.0
4: 1.0/1.1
5: 1.2
MW-10
1: 1.2
MW-5
1: 0.5 U
MW-4
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-19
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U/0.5 U
5: 1.7
MW-17
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-20
1: 0.5 U
2: 0.5 U
3: 0.5 U/0.5 U
4: 0.5 U0.5 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
3: 0.5 U/0.5 U
4: 0.5 U
5: 0.5 U
MW-1
MW-15
MW-9
MW-12
MW-16
MW-7
MW-11
MW-24
MW-6
MW-22
MW-13
MW-8
MW-14
MW-23
MW-2
MW-3
MW-18
MW-4
MW-10
MW-5
ARROYO WELL
WELL 52
MW-17
LAWC#3
VENTURA WELL
LAWC#5
WINDSOR WELL
MW-19
MW-20
RCL&W#7
RCL&W#4
LFWC#2
MW-21
MW-26
MW-25
BANGHAM
COPELIN
SUNSET
Ranger Station Oak Grove
Oak Grove Park
Spreading Grounds
Devil's Gate Reservoir
Rose Bowl
Arroyo Seco
GOULD AVE
CROWN
VIRO RD
OAK GROVE DR
FOOTHILL FWY.
WINDSOR AVE
LINCOLN AVE
ALTADENA
FIGUEROA
MONTANA STREET
WASHINGTON BLVD.
LINDA VISTA AVE
CASITAS AVE
MARIPOSA
HARRIET ST
VENTURA ST
WINDSOR
FOOTHILL FWY.
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 March 2009
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, Apr/May 2009
JPL — PASADENA, CA
G005862-2L
JPL_CONTAM_2Q09.CDR
7/09

Figure 6.

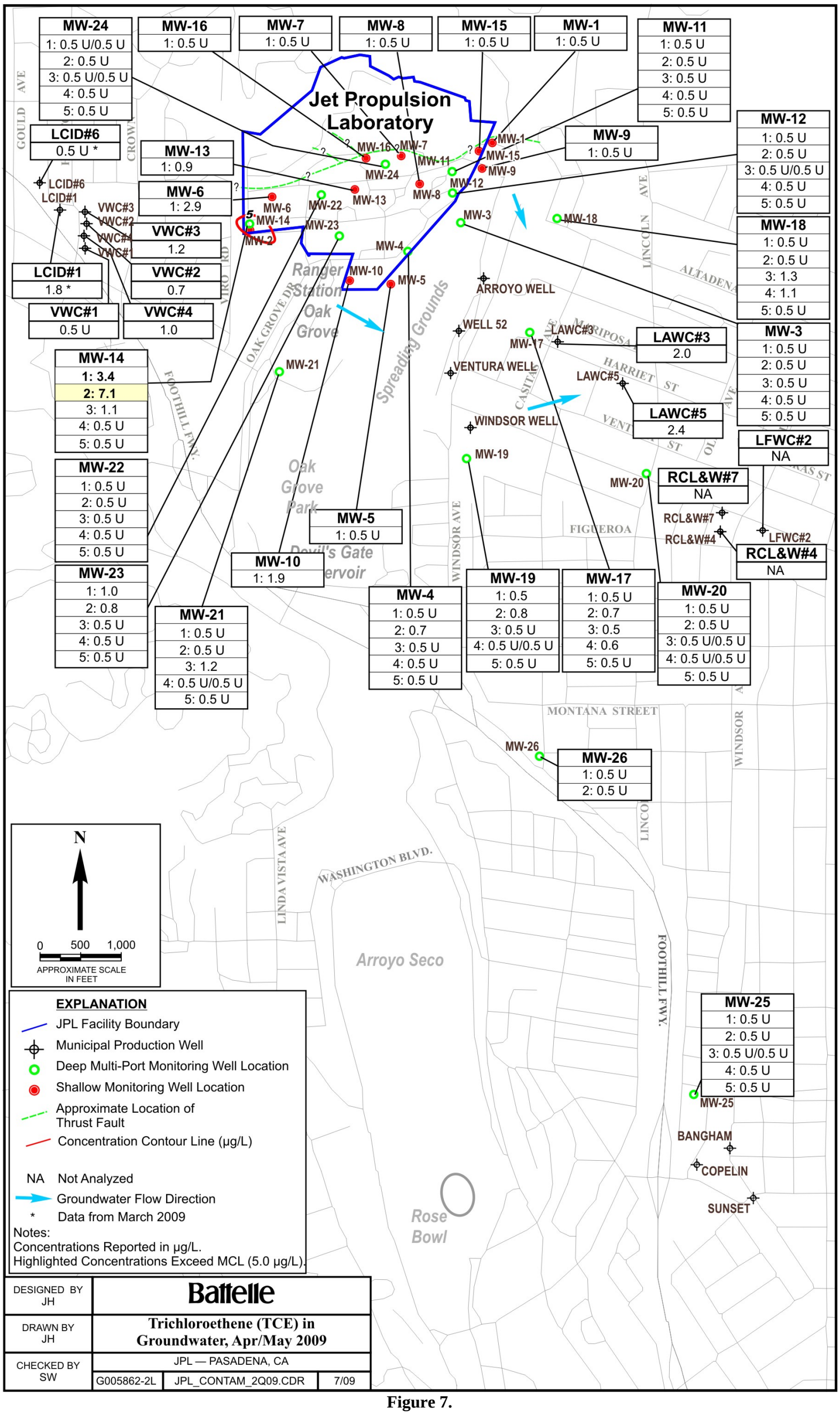
Jet Propulsion Laboratory
MW-24
1: 0.5 U/0.5 U
2: 0.5 U
3: 0.5 U/0.5 U
4: 0.5 U
5: 0.5 U
MW-16
1: 0.5 U
MW-7
1: 0.5 U
MW-8
1: 0.5 U
MW-15
1: 0.5 U
MW-1
1: 0.5 U
MW-11
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-12
1: 0.5 U
2: 0.5 U
3: 0.5 U/0.5 U
4: 0.5 U
5: 0.5 U
MW-18
1: 0.5 U
2: 0.5 U
3: 1.3
4: 1.1
5: 0.5 U
MW-3
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
LAWC#3
2.0
LAWC#5
2.4
LFWC#2
NA
RCL&W#7
NA
RCL&W#4
NA
MW-9
1: 0.5 U
LCID#6
0.5 U *
LCID#1
1.8 *
VWC#3
1.2
VWC#2
0.7
VWC#1
0.5 U
VWC#4
1.0
MW-13
1: 0.9
MW-6
1: 2.9
MW-14
1: 3.4
2: 7.1
3: 1.1
4: 0.5 U
5: 0.5 U
MW-22
1: 0.5 U
2: 0.5 U
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-23
1: 1.0
2: 0.8
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-21
1: 0.5 U
2: 0.5 U
3: 1.2
4: 0.5 U/0.5 U
5: 0.5 U
MW-10
1: 1.9
MW-5
1: 0.5 U
MW-4
1: 0.5 U
2: 0.7
3: 0.5 U
4: 0.5 U
5: 0.5 U
MW-19
1: 0.5
2: 0.8
3: 0.5 U
4: 0.5 U/0.5 U
5: 0.5 U
MW-17
1: 0.5 U
2: 0.7
3: 0.5
4: 0.6
5: 0.5 U
MW-20
1: 0.5 U
2: 0.5 U
3: 0.5 U/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
3: 0.5 U/0.5 U
4: 0.5 U
5: 0.5 U
MW-1
MW-15
MW-9
MW-12
MW-16
MW-7
MW-11
MW-24
MW-13
MW-8
MW-6
MW-14
MW-2
MW-22
MW-23
MW-4
MW-10
MW-5
MW-3
MW-18
ARROYO WELL
WELL 52
MW-17
LAWC#3
VENTURA WELL
LAWC#5
WINDSOR WELL
MW-19
MW-20
RCL&W#7
RCL&W#4
LFWC#2
MW-21
MW-26
MW-25
VWC#3
VWC#2
VWC#4
VWC#1
LCID#6
LCID#1
BANGHAM
COPELIN
SUNSET
Ranger Station Oak Grove
Oak Grove Park
Spreading Grounds
Devil's Gate Reservoir
Rose Bowl
Arroyo Seco
GOULD AVE
CROWN
VIRO RD
OAK GROVE DR
FOOTHILL FWY.
WINDSOR AVE
LINCOLN AVE
ALTADENA
MONTANA STREET
WASHINGTON BLVD.
LINDA VISTA AVE
FIGUEROA
CASITAS AVE
MARIPOSA
HARRIET ST
VENTURA ST
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 March 2009
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, Apr/May 2009
JPL — PASADENA, CA
G005862-2L
JPL_CONTAM_2Q09.CDR
7/09

Figure 7.

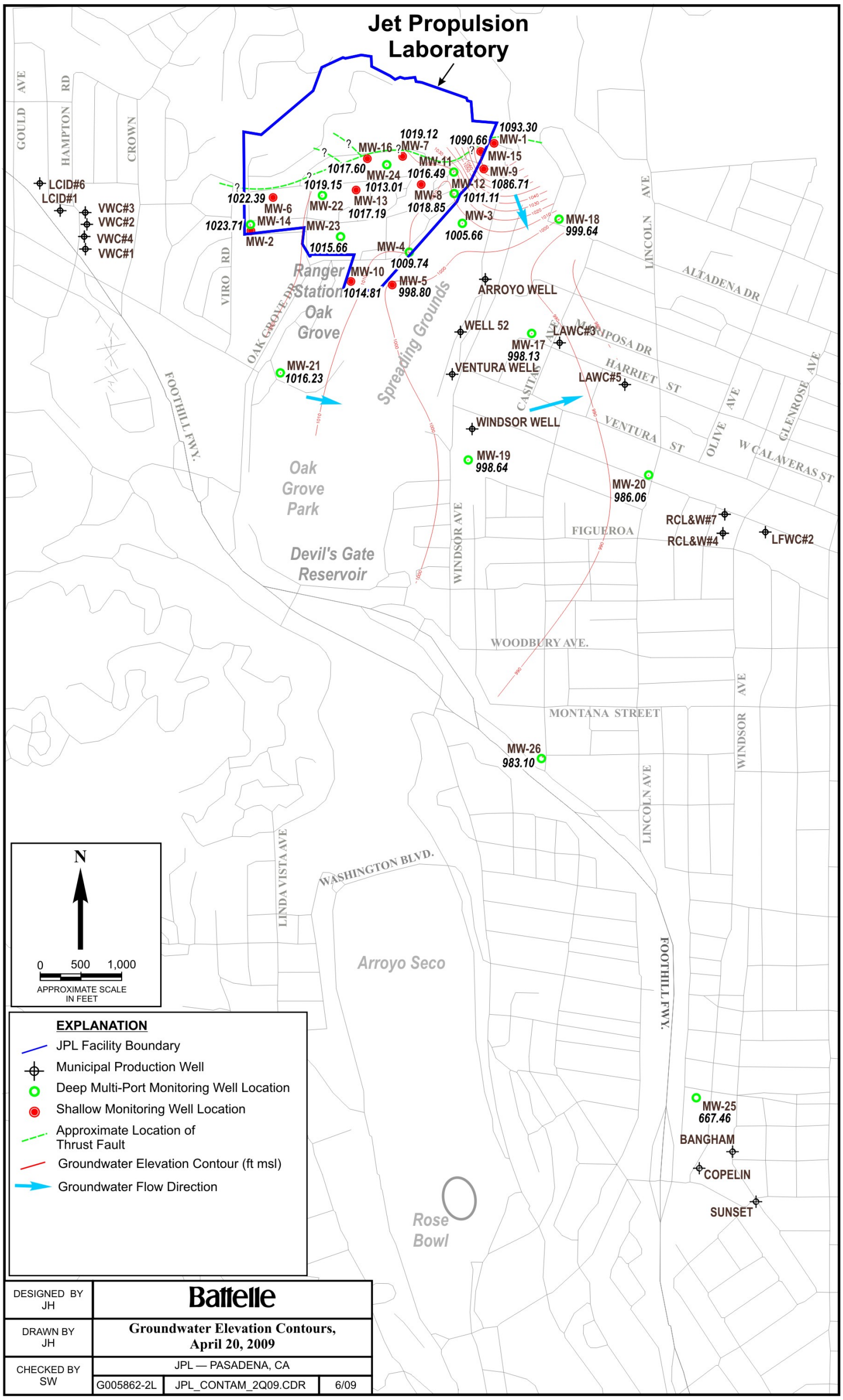
Jet Propulsion Laboratory
1093.30
MW-1
1090.66
MW-15
MW-9
1086.71
MW-12
1011.11
MW-3
1005.66
MW-18
999.64
1019.12
MW-7
MW-16
1017.60
MW-24
1016.49
MW-11
1019.15
1013.01
MW-8
1018.85
MW-22
MW-13
1017.19
1022.39
MW-6
1023.71
MW-14
MW-2
MW-23
1015.66
MW-4
1009.74
MW-10
1014.81
MW-5
998.80
LCID#6
LCID#1
VWC#3
VWC#2
VWC#4
VWC#1
ARROYO WELL
WELL 52
LAWC#3
MW-17
998.13
VENTURA WELL
LAWC#5
MW-21
1016.23
WINDSOR WELL
MW-19
998.64
MW-20
986.06
RCL&W#7
RCL&W#4
LFWC#2
MW-26
983.10
BANGHAM
COPELIN
SUNSET
MW-25
667.46
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.
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
LINDA VISTA AVE
WASHINGTON BLVD.
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, April 20, 2009
JPL — PASADENA, CA
G005862-2L
JPL_CONTAM_2Q09.CDR
6/09

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 2008	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 2009	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-3 Screen 1	Oct/Nov 2008	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 2008	DUPE-04-4Q08	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 2009	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	Jul/Aug 2008	MW-3-2	**0.9**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**206.0**		
MW-3 Screen 2	Oct/Nov 2008	MW-3-2	**2.4**	**1.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	**114.0**		
MW-3 Screen 2	Jan/Feb 2009	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**98.7**	**Bromodichloromethane** **Dibromochloromethane**	**1.0** **1.1**
MW-3 Screen 2	Apr/May 2009	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**121.0**	**Bromodichloromethane** **Dibromochloromethane**	**0.8** **0.9**
MW-3 Screen 3	Jul/Aug 2008	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	Oct/Nov 2008	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	Jan/Feb 2009	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	Jan/Feb 2009	DUPE-05-1Q09	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	Apr/May 2009	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 4	Jul/Aug 2008	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	**Ethylbenzene**	**0.9**
MW-3 Screen 4	Oct/Nov 2008	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	**Ethylbenzene**	**1.1**
MW-3 Screen 4	Jan/Feb 2009	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	**7.3**	**Ethylbenzene**	**0.6**
MW-3 Screen 4	Apr/May 2009	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	**Ethylbenzene**	**0.6**
MW-3 Screen 5	Oct/Nov 2008	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	**3.9**		
MW-3 Screen 5	Apr/May 2009	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	**Ethylbenzene**	**0.5**
MW-4 Screen 1	Jul/Aug 2008	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	**3.1**		
MW-4 Screen 1	Oct/Nov 2008	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	**70.2**		
MW-4 Screen 1	Jan/Feb 2009	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	**16.0**		
MW-4 Screen 1	Apr/May 2009	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	2.0 U
MW-4 Screen 2	Jul/Aug 2008	MW-4-2	0.5 U	**1.1**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.7**		
MW-4 Screen 2	Oct/Nov 2008	MW-4-2	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.9 J**		
MW-4 Screen 2	Jan/Feb 2009	MW-4-2	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**		
MW-4 Screen 2	Apr/May 2009	MW-4-2	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.0**		
MW-4 Screen 3	Jul/Aug 2008	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	**Ethylbenzene**	**2.3**
MW-4 Screen 3	Jul/Aug 2008	DUPE-5-3Q08	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	**Ethylbenzene**	**2.3**
MW-4 Screen 3	Oct/Nov 2008	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	**Ethylbenzene** **Styrene**	**2.1** **0.5**
MW-4 Screen 3	Jan/Feb 2009	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	**Ethylbenzene** **Styrene**	**2.1** **0.5**
MW-4 Screen 3	Apr/May 2009	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	**Ethylbenzene**	**1.4**
MW-4 Screen 4	Oct/Nov 2008	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 4	Apr/May 2009	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 2008	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 2009	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	Jul/Aug 2008	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	**1.1**		

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-5	Oct/Nov 2008	MW-5	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.5**		
MW-5	Jan/Feb 2009	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	**8.3**		
MW-5	Apr/May 2009	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	Jul/Aug 2008	MW-6	0.5 U	**2.2**	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.0**	**Toluene**	**0.8**
MW-6	Oct/Nov 2008	MW-6	0.5 U	**1.9**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.9**	**Toluene**	**1.0**
MW-6	Jan/Feb 2009	MW-6	0.5 U	**3.0**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.1**		
MW-6	Apr/May 2009	MW-6	0.5 U	**2.9**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.1**		
MW-7	Jul/Aug 2008	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.9**	**1.5**	**Bromodichloromethane** **Dibromochloromethane** **Toluene**	**7.8** **1.3** **1.2**
MW-7	Oct/Nov 2008	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.1**	1.0 U	**Bromodichloromethane** **Toluene**	**1.3** **1.3**
MW-7	Jan/Feb 2009	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**1.7**		
MW-7	Jan/Feb 2009	DUPE-06-1Q09	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**1.7**		
MW-7	Apr/May 2009	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.8**	**9.4 J**	**Bromodichloromethane**	**6.0**
MW-8	Jul/Aug 2008	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	**108.0**	**Toluene** **Trichlorofluoromethane**	**1.1** **1.1 J**
MW-8	Oct/Nov 2008	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.1**	**257.0**	**Bromodichloromethane** **Bromoform** **Dibromochloromethane** **Toluene** **Trichlorofluoromethane**	**1.3** **0.9** **1.3** **2.5** **1.0**
MW-8	Jan/Feb 2009	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	**171.0**	**Toluene** **Trichlorofluoromethane**	**1.4** **1.5**
MW-8	Apr/May 2009	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	**45.4**	**Trichlorofluoromethane**	**0.6**
MW-9	Oct/Nov 2008	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 2009	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	Jul/Aug 2008	MW-10	0.5 U	**3.6**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**4.6**	**Toluene**	**1.3**
MW-10	Oct/Nov 2008	MW-10	0.5 U	**2.6**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**2.8**	**Toluene**	**1.2**
MW-10	Jan/Feb 2009	MW-10	0.5 U	**3.2**	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.5**		
MW-10	Jan/Feb 2009	DUPE-07-1Q09	0.5 U	**3.1**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.4**		
MW-10	Apr/May 2009	MW-10	0.5 U	**1.9**	**1.2**	**0.5**	0.5 U	0.5 U	0.5 U	**0.7**	**2.7**		
MW-11 Screen 1	Jul/Aug 2008	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	2.0 U		
MW-11 Screen 1	Oct/Nov 2008	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.8**	1.0 U		
MW-11 Screen 1	Jan/Feb 2009	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 2009	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 2	Jul/Aug 2008	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	2.0 U		
MW-11 Screen 2	Oct/Nov 2008	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	Jan/Feb 2009	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 2009	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 3	Jul/Aug 2008	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	2.0 U		
MW-11 Screen 3	Oct/Nov 2008	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	Jan/Feb 2009	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 2009	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	Jul/Aug 2008	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	2.0 U		
MW-11 Screen 4	Jul/Aug 2008	DUPE-06-3Q08	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 U		
MW-11 Screen 4	Oct/Nov 2008	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	Oct/Nov 2008	DUPE-07-4Q08	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 4	Jan/Feb 2009	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	**1.9**			
MW-11 Screen 4	Apr/May 2009	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 2008	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 2009	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	Jul/Aug 2008	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	Oct/Nov 2008	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	Jan/Feb 2009	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 2009	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**			
MW-12 Screen 2	Jul/Aug 2008	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	**1.7**			
MW-12 Screen 2	Jul/Aug 2008	DUPE-7-3Q08	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-12 Screen 2	Oct/Nov 2008	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	**1.4**	**J**		
MW-12 Screen 2	Jan/Feb 2009	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	**2.2**			
MW-12 Screen 2	Apr/May 2009	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	**2.1**			
MW-12 Screen 3	Jul/Aug 2008	MW-12-3	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-12 Screen 3	Oct/Nov 2008	MW-12-3	**0.9**		**0.6**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**2.1**		1.0	U		
MW-12 Screen 3	Jan/Feb 2009	MW-12-3	0.5	U	**0.6**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**3.8**		1.0	U		
MW-12 Screen 3	Apr/May 2009	MW-12-3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.9**		1.0	U		
MW-12 Screen 3	Apr/May 2009	DUPE-07-2Q09	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**1.0**		1.0	U		
MW-12 Screen 4	Jul/Aug 2008	MW-12-4	**1.8**	**J**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.8**		**2.9**			
MW-12 Screen 4	Oct/Nov 2008	MW-12-4	**0.8**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.6**		**2.9**	**J**		
MW-12 Screen 4	Jan/Feb 2009	MW-12-4	**1.7**		**0.5**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.9**		**3.3**			
MW-12 Screen 4	Apr/May 2009	MW-12-4	**0.8**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.6**		**3.0**			
MW-12 Screen 5	Jul/Aug 2008	MW-12-5	**1.0**	**J**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.5**		**1.9**			
MW-12 Screen 5	Oct/Nov 2008	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	**1.3**	**J**		
MW-12 Screen 5	Jan/Feb 2009	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	**1.6**			
MW-12 Screen 5	Apr/May 2009	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	**2.0**			
MW-13	Jul/Aug 2008	MW-13	0.5	U	**1.8**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**1.7**		**748.0**		**Toluene**	**1.1**
MW-13	Oct/Nov 2008	MW-13	0.5	U	**0.8**		**0.5**		0.5	U	0.5	U	0.5	U	0.5	U	**0.7**		**431.0**		**Toluene**	**3.4**
MW-13	Jan/Feb 2009	MW-13	0.5	U	0.5	U	**1.6**		**1.0**		0.5	U	0.5	U	0.5	U	0.5	U	**13.9**		**Toluene**	**1.0**
MW-13	Apr/May 2009	MW-13	0.5	U	**0.9**		**0.5**		0.5	U	0.5	U	0.5	U	0.5	U	**2.8**		**972.0**		**1,4-Dioxane**	**2.2**
MW-14 Screen 1	Jul/Aug 2008	MW-14-1	0.5	U	0.5	U	**3.8**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**2.7**			
MW-14 Screen 1	Oct/Nov 2008	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	**2.6**			
MW-14 Screen 1	Jan/Feb 2009	MW-14-1	0.5	U	**5.1**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**2.9**			
MW-14 Screen 1	Apr/May 2009	MW-14-1	0.5	U	**3.4**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**2.6**			
MW-14 Screen 2	Jul/Aug 2008	MW-14-2	0.5	U	**8.1**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**3.2**			
MW-14 Screen 2	Jul/Aug 2008	DUPE-01-3Q08	1.0	U	**7.9**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**2.8**			
MW-14 Screen 2	Oct/Nov 2008	MW-14-2	0.5	U	**8.3**		**0.5**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**3.3**			
MW-14 Screen 2	Jan/Feb 2009	MW-14-2	0.5	U	**8.2**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**3.3**			
MW-14 Screen 2	Apr/May 2009	MW-14-2	0.5	U	**7.1**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**3.3**			
MW-14 Screen 3	Jul/Aug 2008	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	**4.7**			
MW-14 Screen 3	Oct/Nov 2008	MW-14-3	0.5	U	**1.6**		**0.6**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**4.5**			
MW-14 Screen 3	Oct/Nov 2008	DUPE-05-4Q08	0.5	U	**1.4**		**0.6**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**4.6**			
MW-14 Screen 3	Jan/Feb 2009	MW-14-3	0.5	U	**1.6**		**0.6**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**5.0**			
MW-14 Screen 3	Apr/May 2009	MW-14-3	0.5	U	**1.1**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**4.9**			
MW-14 Screen 4	Jul/Aug 2008	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	**2.3**			
MW-14 Screen 4	Oct/Nov 2008	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	**2.8**			
MW-14 Screen 4	Jan/Feb 2009	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	**3.1**			
MW-14 Screen 4	Apr/May 2009	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	**2.9**			

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 5	Jul/Aug 2008	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	Oct/Nov 2008	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	Jan/Feb 2009	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 2009	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 2008	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	**Toluene**	**0.8**
MW-15	Apr/May 2009	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	Jul/Aug 2008	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.1**	**19.3**	**Bromodichloromethane** **Bromoform** **Dibromochloromethane** **Toluene**	**5.3** **3.0** **4.3** **1.5**
MW-16	Oct/Nov 2008	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.4**	1.0 U	**Bromodichloromethane** **Dibromochloromethane** **Toluene**	**1.7** **0.7** **3.7**
MW-16	Jan/Feb 2009	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.6**	**18.0**	**Bromodichloromethane** **Bromoform** **Dibromochloromethane**	**5.9** **2.6** **5.0**
MW-16	Apr/May 2009	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.0**	**9.5 J**	**1,4-Dioxane** **Bromodichloromethane** **Bromoform** **Dibromochloromethane** **NDMA**	**1.1** **9.7** **9.8** **14.0** **0.0 J**
MW-17 Screen 1	Oct/Nov 2008	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 2009	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 2	Jul/Aug 2008	MW-17-2	0.5 U	**1.0**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**5.7**		
MW-17 Screen 2	Oct/Nov 2008	MW-17-2	0.5 U	**1.1**	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.1**		
MW-17 Screen 2	Jan/Feb 2009	MW-17-2	0.5 U	**1.2**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.7**		
MW-17 Screen 2	Apr/May 2009	MW-17-2	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.3**		
MW-17 Screen 3	Jul/Aug 2008	MW-17-3	**1.2**	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**17.3**		
MW-17 Screen 3	Oct/Nov 2008	MW-17-3	**0.7**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**16.6**		
MW-17 Screen 3	Jan/Feb 2009	MW-17-3	**0.9**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**13.9**		
MW-17 Screen 3	Apr/May 2009	MW-17-3	**0.7**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**12.9**		
MW-17 Screen 4	Jul/Aug 2008	MW-17-4	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-17 Screen 4	Jul/Aug 2008	DUPE-3-3Q08	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.5**		
MW-17 Screen 4	Oct/Nov 2008	MW-17-4	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-17 Screen 4	Oct/Nov 2008	DUPE-03-4Q08	0.5 U	**0.8**	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	Jan/Feb 2009	MW-17-4	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-17 Screen 4	Apr/May 2009	MW-17-4	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	**NDMA**	**0.0 J**
MW-17 Screen 5	Oct/Nov 2008	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 2009	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 2008	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 2009	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	Jul/Aug 2008	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	Oct/Nov 2008	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	Jan/Feb 2009	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 2009	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 3	Jul/Aug 2008	MW-18-3	**18.0**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**	**37.0**		
MW-18 Screen 3	Jul/Aug 2008	DUPE-4-3Q08	**20.0**	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.2**	**36.3**		
MW-18 Screen 3	Oct/Nov 2008	MW-18-3	**15.0**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.9**	**39.8**		

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-18 Screen 3	Jan/Feb 2009	MW-18-3	**20.0**	**1.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.3**	**45.3**		
MW-18 Screen 3	Apr/May 2009	MW-18-3	**15.0**	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.4**	**55.9**		
MW-18 Screen 4	Jul/Aug 2008	MW-18-4	**11.0**	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.9**	**29.5**		
MW-18 Screen 4	Oct/Nov 2008	MW-18-4	**11.0**	**1.4**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**	**34.3**		
MW-18 Screen 4	Oct/Nov 2008	DUPE-02-4Q08	**11.0**	**1.4**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**	**35.5**		
MW-18 Screen 4	Jan/Feb 2009	MW-18-4	**14.0**	**1.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.4**	**41.4**		
MW-18 Screen 4	Apr/May 2009	MW-18-4	**10.0**	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.4**	**45.7**		
MW-18 Screen 5	Jul/Aug 2008	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	Oct/Nov 2008	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	Jan/Feb 2009	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 2009	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	Jul/Aug 2008	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	1.0 U		
MW-19 Screen 1	Oct/Nov 2008	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	**3.1**		
MW-19 Screen 1	Jan/Feb 2009	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	**5.3**		
MW-19 Screen 1	Apr/May 2009	MW-19-1	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.1**		
MW-19 Screen 2	Jul/Aug 2008	MW-19-2	0.5 U	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.7**		
MW-19 Screen 2	Jul/Aug 2008	DUPE-2-3Q08	0.5 U	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.9**		
MW-19 Screen 2	Oct/Nov 2008	MW-19-2	0.5 U	**1.6**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.2**		
MW-19 Screen 2	Jan/Feb 2009	MW-19-2	0.5 U	**2.0**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**5.2**		
MW-19 Screen 2	Apr/May 2009	MW-19-2	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.1**		
MW-19 Screen 3	Jul/Aug 2008	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	**2.5**		
MW-19 Screen 3	Oct/Nov 2008	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	**2.7**		
MW-19 Screen 3	Jan/Feb 2009	MW-19-3	0.5 U	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.9**		
MW-19 Screen 3	Apr/May 2009	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	**2.9**		
MW-19 Screen 4	Jul/Aug 2008	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	**2.3**		
MW-19 Screen 4	Oct/Nov 2008	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	**2.5**		
MW-19 Screen 4	Jan/Feb 2009	MW-19-4	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.8**		
MW-19 Screen 4	Apr/May 2009	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	**3.1**		
MW-19 Screen 4	Apr/May 2009	DUPE-08-2Q09	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.9**		
MW-19 Screen 5	Jul/Aug 2008	MW-19-5	0.5 U	0.5 U	**2.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.3**	**Chloromethane**	**1.0**
MW-19 Screen 5	Oct/Nov 2008	MW-19-5	0.5 U	0.5 U	**2.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.5**		
MW-19 Screen 5	Jan/Feb 2009	MW-19-5	0.5 U	0.5 U	**2.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.6**		
MW-19 Screen 5	Apr/May 2009	MW-19-5	0.5 U	0.5 U	**1.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.8**		
MW-20 Screen 1	Jul/Aug 2008	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	**1.6**		
MW-20 Screen 1	Oct/Nov 2008	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	**2.7**		
MW-20 Screen 1	Oct/Nov 2008	MW-20-1RS	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	Jan/Feb 2009	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	Jan/Feb 2009	DUPE-04-1Q09	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 2009	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 2	Jul/Aug 2008	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	1.0 U		
MW-20 Screen 2	Oct/Nov 2008	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**	**2.1**		
MW-20 Screen 2	Oct/Nov 2008	MW-20-2RS	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-20 Screen 2	Jan/Feb 2009	MW-20-2	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.0**		
MW-20 Screen 2	Jan/Feb 2009	DUPE-03-1Q09	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-20 Screen 2	Apr/May 2009	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	1.0 U		
MW-20 Screen 3	Jul/Aug 2008	MW-20-3	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-20 Screen 3	Oct/Nov 2008	MW-20-3	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**		
MW-20 Screen 3	Oct/Nov 2008	MW-20-3RS	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-20 Screen 3	Jan/Feb 2009	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.7		
MW-20 Screen 3	Apr/May 2009	MW-20-3	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-20 Screen 3	Apr/May 2009	DUPE-06-2Q09	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	Jul/Aug 2008	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	24.2		
MW-20 Screen 4	Oct/Nov 2008	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	39.4		
MW-20 Screen 4	Oct/Nov 2008	MW-20-4RS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	42.4		
MW-20 Screen 4	Jan/Feb 2009	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	61.0		
MW-20 Screen 4	Apr/May 2009	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 2009	DUPE-05-2Q09	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	Jul/Aug 2008	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	13.1		
MW-20 Screen 5	Oct/Nov 2008	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	32.9		
MW-20 Screen 5	Oct/Nov 2008	MW-20-5RS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	16.2		
MW-20 Screen 5	Jan/Feb 2009	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	19.7		
MW-20 Screen 5	Apr/May 2009	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	Jul/Aug 2008	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.4		
MW-21 Screen 1	Oct/Nov 2008	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0		
MW-21 Screen 1	Oct/Nov 2008	DUPE-01-4Q08	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	2.9		
MW-21 Screen 1	Jan/Feb 2009	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	2.7		
MW-21 Screen 1	Jan/Feb 2009	DUPE-01-1Q09	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.0		
MW-21 Screen 1	Apr/May 2009	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	2.4		
MW-21 Screen 2	Jul/Aug 2008	MW-21-2	0.5 U	0.6	8.2	0.5 U	0.5 U	0.5 U	0.5 U	3.6	2.0	cis-1,2-Dichloroethene	1.5
MW-21 Screen 2	Oct/Nov 2008	MW-21-2	0.5 U	0.7	12.0	0.5 U	0.5 U	0.5 U	0.5 U	3.6	2.1	cis-1,2-Dichloroethene	1.6
MW-21 Screen 2	Jan/Feb 2009	MW-21-2	0.5 U	0.6	6.6	0.5 U	0.5 U	0.5 U	0.5 U	1.3	2.5	cis-1,2-Dichloroethene	1.1
MW-21 Screen 2	Apr/May 2009	MW-21-2	0.5 U	0.5 U	4.0	0.5 U	0.5 U	0.5 U	0.5 U	0.8	2.1	cis-1,2-Dichloroethene	0.8
MW-21 Screen 3	Jul/Aug 2008	MW-21-3	0.5 U	1.7	8.6	0.5 U	0.5 U	0.5 U	0.5 U	3.0	3.6	cis-1,2-Dichloroethene	1.2
MW-21 Screen 3	Oct/Nov 2008	MW-21-3	0.5 U	1.5	7.7	0.5 U	0.5 U	0.5 U	0.5 U	2.2	2.5	cis-1,2-Dichloroethene	1.1
MW-21 Screen 3	Jan/Feb 2009	MW-21-3	0.5 U	1.5	6.8	0.5 U	0.5 U	0.5 U	0.5 U	2.5	3.0	cis-1,2-Dichloroethene	1.1
MW-21 Screen 3	Apr/May 2009	MW-21-3	0.5 U	1.2	5.0	0.5 U	0.5 U	0.5 U	0.5 U	3.1	2.8	cis-1,2-Dichloroethene	0.9
MW-21 Screen 4	Jul/Aug 2008	MW-21-4	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	4.8	2.1		
MW-21 Screen 4	Oct/Nov 2008	MW-21-4	0.5 U	0.5 U	2.4	0.5 U	0.5 U	0.5 U	0.5 U	5.5	2.3		
MW-21 Screen 4	Jan/Feb 2009	MW-21-4	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	5.8	2.2		
MW-21 Screen 4	Apr/May 2009	MW-21-4	0.5 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	7.1	2.0		
MW-21 Screen 4	Apr/May 2009	DUPE-03-2Q09	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	7.5	1.9		
MW-21 Screen 5	Jul/Aug 2008	MW-21-5	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	3.3	2.8		
MW-21 Screen 5	Oct/Nov 2008	MW-21-5	0.5 U	0.5 U	2.0	0.5 U	0.5 U	0.5 U	0.5 U	3.5	3.0		
MW-21 Screen 5	Jan/Feb 2009	MW-21-5	0.5 U	0.5 U	1.9	0.5 U	0.5 U	0.5 U	0.5 U	3.7	3.2		
MW-21 Screen 5	Apr/May 2009	MW-21-5	0.5 U	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	3.1	3.0		
MW-22 Screen 1	Jul/Aug 2008	MW-22-1	0.5 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1		
MW-22 Screen 1	Oct/Nov 2008	MW-22-1	0.5 U	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2		
MW-22 Screen 1	Jan/Feb 2009	MW-22-1	0.5 U	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5		
MW-22 Screen 1	Apr/May 2009	MW-22-1	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3		
MW-22 Screen 2	Jul/Aug 2008	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 U		
MW-22 Screen 2	Oct/Nov 2008	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 2	Oct/Nov 2008	DUPE-06-4Q08	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 2	Jan/Feb 2009	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	2.3		
MW-22 Screen 2	Apr/May 2009	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 3	Jul/Aug 2008	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	2.3		
MW-22 Screen 3	Oct/Nov 2008	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	2.8		

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-22 Screen 3	Jan/Feb 2009	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	**3.2**		
MW-22 Screen 3	Apr/May 2009	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	**2.5**		
MW-22 Screen 4	Oct/Nov 2008	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 2009	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 2008	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	**3.1**		
MW-22 Screen 5	Apr/May 2009	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-23 Screen 1	Jul/Aug 2008	MW-23-1	0.5 U	**1.3**	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.2**		
MW-23 Screen 1	Oct/Nov 2008	MW-23-1	0.5 U	**1.1**	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**		
MW-23 Screen 1	Jan/Feb 2009	MW-23-1	0.5 U	**1.5**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.3**		
MW-23 Screen 1	Apr/May 2009	MW-23-1	0.5 U	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.6**		
MW-23 Screen 2	Jul/Aug 2008	MW-23-2	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**3.8**		
MW-23 Screen 2	Oct/Nov 2008	MW-23-2	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.7**		
MW-23 Screen 2	Jan/Feb 2009	MW-23-2	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.2**		
MW-23 Screen 2	Apr/May 2009	MW-23-2	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**4.1**		
MW-23 Screen 3	Jul/Aug 2008	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	1.0 U		
MW-23 Screen 3	Oct/Nov 2008	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	1.0 U		
MW-23 Screen 3	Jan/Feb 2009	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	1.0 U		
MW-23 Screen 3	Apr/May 2009	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	1.0 U		
MW-23 Screen 4	Oct/Nov 2008	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 2009	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 2008	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 2009	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	Jul/Aug 2008	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**16.0**	**1.1**	**Bromodichloromethane**	**5.3 J**
MW-24 Screen 1	Oct/Nov 2008	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.8**		
MW-24 Screen 1	Jan/Feb 2009	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.6**	**326.0**		
MW-24 Screen 1	Apr/May 2009	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	**3.6**	**1,4-Dioxane** **NDMA**	**1.0** **0.0 J**
MW-24 Screen 1	Apr/May 2009	DUPE-02-2Q09	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.6**	**4.0**	**1,4-Dioxane**	**1.0**
MW-24 Screen 2	Jul/Aug 2008	MW-24-2	**0.7 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**16.4**		
MW-24 Screen 2	Oct/Nov 2008	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	**14.1**		
MW-24 Screen 2	Jan/Feb 2009	MW-24-2	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**14.6**		
MW-24 Screen 2	Apr/May 2009	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	**12.9**		
MW-24 Screen 3	Jul/Aug 2008	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	Oct/Nov 2008	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		

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-24 Screen 3	Oct/Nov 2008	DUPE-08-4Q08	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	Jan/Feb 2009	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	**20.3**	
MW-24 Screen 3	Apr/May 2009	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 2009	DUPE-01-2Q09	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 2008	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	**5.8**	
MW-24 Screen 4	Apr/May 2009	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 2008	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 2009	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	Jul/Aug 2008	MW-25-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**8.2**	
MW-25 Screen 1	Oct/Nov 2008	MW-25-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**8.1**	
MW-25 Screen 1	Jan/Feb 2009	MW-25-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**9.1**	
MW-25 Screen 1	Jan/Feb 2009	DUPE-02-1Q09	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**8.8**	
MW-25 Screen 1	Apr/May 2009	MW-25-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**9.3**	
MW-25 Screen 2	Jul/Aug 2008	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	**13.1**	
MW-25 Screen 2	Oct/Nov 2008	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	**12.6**	
MW-25 Screen 2	Jan/Feb 2009	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	**13.2**	
MW-25 Screen 2	Apr/May 2009	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	**13.4**	
MW-25 Screen 3	Jul/Aug 2008	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**8.9**	
MW-25 Screen 3	Oct/Nov 2008	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**7.9**	
MW-25 Screen 3	Jan/Feb 2009	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**8.2**	
MW-25 Screen 3	Apr/May 2009	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**	**8.4**	
MW-25 Screen 3	Apr/May 2009	DUPE-04-2Q09	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	**8.4**	
MW-25 Screen 4	Jul/Aug 2008	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	**6.8**	
MW-25 Screen 4	Oct/Nov 2008	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	**6.6**	
MW-25 Screen 4	Jan/Feb 2009	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	**7.4**	
MW-25 Screen 4	Apr/May 2009	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	**7.2**	
MW-25 Screen 5	Jul/Aug 2008	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	**33.8**	
MW-25 Screen 5	Oct/Nov 2008	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	**16.5**	
MW-25 Screen 5	Jan/Feb 2009	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 2009	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	Jul/Aug 2008	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	**2.0**	
MW-26 Screen 1	Oct/Nov 2008	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	**1.7**	
MW-26 Screen 1	Jan/Feb 2009	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	**2.4**	
MW-26 Screen 1	Apr/May 2009	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	**1.7 J**	
MW-26 Screen 2	Jul/Aug 2008	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	Oct/Nov 2008	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	Jan/Feb 2009	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 2009	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	
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
J	Indicates an estimated value
U	Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
UJ	Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

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 2008	MW-1	NA		NA		5.0	U	0.010	U
MW-1	Apr/May 2009	MW-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-3 Screen 1	Oct/Nov 2008	MW-3-1	NA		NA		5.0	U	0.010	U
MW-3 Screen 1	Oct/Nov 2008	DUPE-04-4Q08	NA		NA		5.0	U	0.010	U
MW-3 Screen 1	Apr/May 2009	MW-3-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-3 Screen 2	Jul/Aug 2008	MW-3-2	NA		NA		5.0	U	0.010	U
MW-3 Screen 2	Oct/Nov 2008	MW-3-2	NA		NA		5.0	U	0.010	U
MW-3 Screen 2	Jan/Feb 2009	MW-3-2	NA		NA		5.0	U	0.010	U
MW-3 Screen 2	Apr/May 2009	MW-3-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-3 Screen 3	Jul/Aug 2008	MW-3-3	NA		NA		5.0	U	0.010	U
MW-3 Screen 3	Oct/Nov 2008	MW-3-3	NA		NA		5.0	U	0.010	U
MW-3 Screen 3	Jan/Feb 2009	MW-3-3	NA		NA		5.0	U	0.010	U
MW-3 Screen 3	Jan/Feb 2009	DUPE-05-1Q09	NA		NA		5.0	U	0.010	U
MW-3 Screen 3	Apr/May 2009	MW-3-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-3 Screen 4	Jul/Aug 2008	MW-3-4	NA		NA		5.0	U	0.010	U
MW-3 Screen 4	Oct/Nov 2008	MW-3-4	NA		NA		5.0	U	0.010	U
MW-3 Screen 4	Jan/Feb 2009	MW-3-4	NA		NA		5.0	U	0.010	U
MW-3 Screen 4	Apr/May 2009	MW-3-4	**2.2**		5.000	U	5.0	U	0.010	U
MW-3 Screen 5	Oct/Nov 2008	MW-3-5	NA		NA		5.0	U	0.010	U
MW-3 Screen 5	Apr/May 2009	MW-3-5	**2.6**		5.000	U	5.0	U	0.010	U
MW-4 Screen 1	Jul/Aug 2008	MW-4-1	NA		NA		5.0	U	0.010	U
MW-4 Screen 1	Oct/Nov 2008	MW-4-1	NA		NA		5.0	U	0.010	U
MW-4 Screen 1	Jan/Feb 2009	MW-4-1	NA		NA		5.0	U	0.010	U
MW-4 Screen 1	Apr/May 2009	MW-4-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-4 Screen 2	Jul/Aug 2008	MW-4-2	NA		NA		5.0	U	0.010	U
MW-4 Screen 2	Oct/Nov 2008	MW-4-2	NA		NA		5.0	U	0.010	U
MW-4 Screen 2	Jan/Feb 2009	MW-4-2	NA		NA		5.0	U	0.010	U
MW-4 Screen 2	Apr/May 2009	MW-4-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-4 Screen 3	Jul/Aug 2008	MW-4-3	NA		NA		5.0	U	0.010	U
MW-4 Screen 3	Jul/Aug 2008	DUPE-5-3Q08	NA		NA		5.0	U	0.010	U
MW-4 Screen 3	Oct/Nov 2008	MW-4-3	NA		NA		5.0	U	0.010	U
MW-4 Screen 3	Jan/Feb 2009	MW-4-3	NA		NA		5.0	U	0.010	U
MW-4 Screen 3	Apr/May 2009	MW-4-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-4 Screen 4	Oct/Nov 2008	MW-4-4	NA		NA		5.0	U	0.010	U
MW-4 Screen 4	Apr/May 2009	MW-4-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-4 Screen 5	Oct/Nov 2008	MW-4-5	NA		NA		5.0	U	0.010	U
MW-4 Screen 5	Apr/May 2009	MW-4-5	2.0	U	5.000	U	5.0	U	0.010	U
MW-5	Jul/Aug 2008	MW-5	NA		NA		5.0	U	0.010	U
MW-5	Oct/Nov 2008	MW-5	NA		NA		5.0	U	0.010	U
MW-5	Jan/Feb 2009	MW-5	NA		NA		5.0	U	0.010	U
MW-5	Apr/May 2009	MW-5	2.0	U	5.000	U	**5.1**		0.010	U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)		Lead (µg/L)		Chromium, Total (µg/L)		Chromium, Hexavalent (mg/L)	
MW-6	Jul/Aug 2008	MW-6	NA		NA		**9.9**		0.010	U
MW-6	Oct/Nov 2008	MW-6	NA		NA		**14.0**		0.010	U
MW-6	Jan/Feb 2009	MW-6	NA		NA		**18.0**		0.010	U
MW-6	Apr/May 2009	MW-6	2.0	U	5.000	U	**23.0**		0.010	U
MW-7	Jul/Aug 2008	MW-7	NA		NA		**6.5**		0.010	U
MW-7	Oct/Nov 2008	MW-7	NA		NA		**7.6**		0.010	U
MW-7	Jan/Feb 2009	MW-7	NA		NA		5.0	U	0.010	U
MW-7	Jan/Feb 2009	DUPE-06-1Q09	NA		NA		5.0	U	0.010	U
MW-7	Apr/May 2009	MW-7	2.0	U	5.000	U	**11.0**		**0.013**	
MW-8	Jul/Aug 2008	MW-8	NA		NA		**7.5**		0.010	U
MW-8	Oct/Nov 2008	MW-8	NA		NA		**13.0**		0.010	U
MW-8	Jan/Feb 2009	MW-8	NA		NA		**6.2**		0.010	U
MW-8	Apr/May 2009	MW-8	2.0	U	**12.000**		**7.5**		0.010	U
MW-9	Oct/Nov 2008	MW-9	NA		NA		5.0	U	0.010	U
MW-9	Apr/May 2009	MW-9	2.0	U	5.000	U	5.0	U	0.010	U
MW-10	Jul/Aug 2008	MW-10	NA		NA		**17.0**		0.010	U
MW-10	Oct/Nov 2008	MW-10	NA		NA		**22.0**		0.010	U
MW-10	Jan/Feb 2009	MW-10	NA		NA		**15.0**		0.010	U
MW-10	Jan/Feb 2009	DUPE-07-1Q09	NA		NA		**11.0**		0.010	U
MW-10	Apr/May 2009	MW-10	2.0	U	5.000	U	**11.0**		0.010	U
MW-11 Screen 1	Jul/Aug 2008	MW-11-1	NA		NA		5.0	U	0.010	U
MW-11 Screen 1	Oct/Nov 2008	MW-11-1	NA		NA		5.0	U	0.010	U
MW-11 Screen 1	Jan/Feb 2009	MW-11-1	NA		NA		5.0	U	0.010	U
MW-11 Screen 1	Apr/May 2009	MW-11-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-11 Screen 2	Jul/Aug 2008	MW-11-2	NA		NA		5.0	U	0.010	U
MW-11 Screen 2	Oct/Nov 2008	MW-11-2	NA		NA		5.0	U	0.010	U
MW-11 Screen 2	Jan/Feb 2009	MW-11-2	NA		NA		5.0	U	0.010	U
MW-11 Screen 2	Apr/May 2009	MW-11-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-11 Screen 3	Jul/Aug 2008	MW-11-3	NA		NA		5.0	U	0.010	U
MW-11 Screen 3	Oct/Nov 2008	MW-11-3	NA		NA		5.0	U	0.010	U
MW-11 Screen 3	Jan/Feb 2009	MW-11-3	NA		NA		5.0	U	0.010	U
MW-11 Screen 3	Apr/May 2009	MW-11-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-11 Screen 4	Oct/Nov 2008	MW-11-4	NA		NA		5.0	U	0.010	U
MW-11 Screen 4	Oct/Nov 2008	DUPE-07-4Q08	NA		NA		5.0	U	0.010	U
MW-11 Screen 4	Apr/May 2009	MW-11-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-11 Screen 5	Oct/Nov 2008	MW-11-5	NA		NA		5.0	U	0.010	U
MW-11 Screen 5	Apr/May 2009	MW-11-5	**5.1**		5.000	U	5.0	U	0.010	U
MW-12 Screen 1	Jul/Aug 2008	MW-12-1	NA		NA		5.0	U	0.010	U
MW-12 Screen 1	Oct/Nov 2008	MW-12-1	NA		NA		5.0	U	0.010	U
MW-12 Screen 1	Jan/Feb 2009	MW-12-1	NA		NA		5.0	U	0.010	U
MW-12 Screen 1	Apr/May 2009	MW-12-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-12 Screen 2	Jul/Aug 2008	MW-12-2	NA		NA		5.0	U	0.010	U
MW-12 Screen 2	Jul/Aug 2008	DUPE-7-3Q08	NA		NA		5.0	U	0.010	U
MW-12 Screen 2	Oct/Nov 2008	MW-12-2	NA		NA		5.0	U	0.010	U
MW-12 Screen 2	Jan/Feb 2009	MW-12-2	NA		NA		5.0	U	0.010	U
MW-12 Screen 2	Apr/May 2009	MW-12-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-12 Screen 3	Jul/Aug 2008	MW-12-3	NA		NA		5.0	U	0.010	U
MW-12 Screen 3	Oct/Nov 2008	MW-12-3	NA		NA		5.0	U	0.010	U
MW-12 Screen 3	Jan/Feb 2009	MW-12-3	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-12 Screen 3	Apr/May 2009	MW-12-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-12 Screen 3	Apr/May 2009	DUPE-07-2Q09	2.0	U	5.000	U	5.0	U	0.010	U
MW-12 Screen 4	Oct/Nov 2008	MW-12-4	NA		NA		5.0	U	0.010	U
MW-12 Screen 4	Apr/May 2009	MW-12-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-12 Screen 5	Oct/Nov 2008	MW-12-5	NA		NA		5.0	U	0.010	U
MW-12 Screen 5	Apr/May 2009	MW-12-5	2.0	U	5.000	U	5.0	U	0.010	U
MW-13	Jul/Aug 2008	MW-13	NA		NA		**51.0**		**0.039**	
MW-13	Oct/Nov 2008	MW-13	NA		NA		**88.0**		**0.033**	
MW-13	Jan/Feb 2009	MW-13	NA		NA		**31.0**		0.010	U
MW-13	Apr/May 2009	MW-13	2.0	U	**10.000**		**33.0**		**0.028**	
MW-14 Screen 1	Jul/Aug 2008	MW-14-1	NA		NA		5.0	U	0.010	U
MW-14 Screen 1	Oct/Nov 2008	MW-14-1	NA		NA		5.0	U	0.010	U
MW-14 Screen 1	Jan/Feb 2009	MW-14-1	NA		NA		5.0	U	0.010	U
MW-14 Screen 1	Apr/May 2009	MW-14-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-14 Screen 2	Jul/Aug 2008	MW-14-2	NA		NA		5.0	U	0.010	U
MW-14 Screen 2	Jul/Aug 2008	DUPE-01-3Q08	NA		NA		5.0	U	0.010	U
MW-14 Screen 2	Oct/Nov 2008	MW-14-2	NA		NA		5.0	U	0.010	U
MW-14 Screen 2	Jan/Feb 2009	MW-14-2	NA		NA		5.0	U	0.010	U
MW-14 Screen 2	Apr/May 2009	MW-14-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-14 Screen 3	Jul/Aug 2008	MW-14-3	NA		NA		5.0	U	0.010	U
MW-14 Screen 3	Oct/Nov 2008	MW-14-3	NA		NA		5.0	U	0.010	U
MW-14 Screen 3	Oct/Nov 2008	DUPE-05-4Q08	NA		NA		5.0	U	0.010	U
MW-14 Screen 3	Jan/Feb 2009	MW-14-3	NA		NA		5.0	U	0.010	U
MW-14 Screen 3	Apr/May 2009	MW-14-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-14 Screen 4	Oct/Nov 2008	MW-14-4	NA		NA		5.0	U	0.010	U
MW-14 Screen 4	Apr/May 2009	MW-14-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-14 Screen 5	Oct/Nov 2008	MW-14-5	NA		NA		5.0	U	0.010	U
MW-14 Screen 5	Apr/May 2009	MW-14-5	2.0	U	5.000	U	5.0	U	0.010	U
MW-15	Jul/Aug 2008	MW-15	NA		NA		**5.1**		0.010	U
MW-15	Oct/Nov 2008	MW-15	NA		NA		**7.6**		0.010	U
MW-15	Jan/Feb 2009	MW-15	NA		NA		**15.0**		0.010	U
MW-15	Apr/May 2009	MW-15	2.0	U	**17.000**		**6.8**		0.010	U
MW-16	Jul/Aug 2008	MW-16	NA		NA		**8.1**		0.010	U
MW-16	Oct/Nov 2008	MW-16	NA		NA		**5.8**		0.010	U
MW-16	Jan/Feb 2009	MW-16	NA		NA		5.0	U	0.010	U
MW-16	Apr/May 2009	MW-16	2.0	U	**13.000**		**28.0**		**0.025**	
MW-17 Screen 1	Oct/Nov 2008	MW-17-1	NA		NA		5.0	U	0.010	U
MW-17 Screen 1	Apr/May 2009	MW-17-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-17 Screen 2	Jul/Aug 2008	MW-17-2	NA		NA		5.0	U	0.010	U
MW-17 Screen 2	Oct/Nov 2008	MW-17-2	NA		NA		5.0	U	0.010	U
MW-17 Screen 2	Jan/Feb 2009	MW-17-2	NA		NA		5.0	U	0.010	U
MW-17 Screen 2	Apr/May 2009	MW-17-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-17 Screen 3	Jul/Aug 2008	MW-17-3	NA		NA		5.0	U	0.010	U
MW-17 Screen 3	Oct/Nov 2008	MW-17-3	NA		NA		5.0	U	0.010	U
MW-17 Screen 3	Jan/Feb 2009	MW-17-3	NA		NA		5.0	U	0.010	U
MW-17 Screen 3	Apr/May 2009	MW-17-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-17 Screen 4	Jul/Aug 2008	MW-17-4	NA		NA		5.0	U	0.010	U
MW-17 Screen 4	Jul/Aug 2008	DUPE-3-3Q08	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-17 Screen 4	Oct/Nov 2008	MW-17-4	NA		NA		5.0	U	0.010	U
MW-17 Screen 4	Oct/Nov 2008	DUPE-03-4Q08	NA		NA		5.0	U	0.010	U
MW-17 Screen 4	Jan/Feb 2009	MW-17-4	NA		NA		5.0	U	0.010	U
MW-17 Screen 4	Apr/May 2009	MW-17-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-17 Screen 5	Oct/Nov 2008	MW-17-5	NA		NA		5.0	U	0.010	U
MW-17 Screen 5	Apr/May 2009	MW-17-5	**7.3**		5.000	U	5.0	U	0.010	U
MW-18 Screen 1	Oct/Nov 2008	MW-18-1	NA		NA		5.0	U	0.010	U
MW-18 Screen 1	Apr/May 2009	MW-18-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-18 Screen 2	Jul/Aug 2008	MW-18-2	NA		NA		5.0	U	0.010	U
MW-18 Screen 2	Oct/Nov 2008	MW-18-2	NA		NA		5.0	U	0.010	U
MW-18 Screen 2	Jan/Feb 2009	MW-18-2	NA		NA		5.0	U	0.010	U
MW-18 Screen 2	Apr/May 2009	MW-18-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-18 Screen 3	Jul/Aug 2008	MW-18-3	NA		NA		5.0	U	0.010	U
MW-18 Screen 3	Jul/Aug 2008	DUPE-4-3Q08	NA		NA		5.0	U	0.010	U
MW-18 Screen 3	Oct/Nov 2008	MW-18-3	NA		NA		5.0	U	0.010	U
MW-18 Screen 3	Jan/Feb 2009	MW-18-3	NA		NA		5.0	U	0.010	U
MW-18 Screen 3	Apr/May 2009	MW-18-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-18 Screen 4	Jul/Aug 2008	MW-18-4	NA		NA		5.0	U	0.010	U
MW-18 Screen 4	Oct/Nov 2008	MW-18-4	NA		NA		5.0	U	0.010	U
MW-18 Screen 4	Oct/Nov 2008	DUPE-02-4Q08	NA		NA		5.0	U	0.010	U
MW-18 Screen 4	Jan/Feb 2009	MW-18-4	NA		NA		5.0	U	0.010	U
MW-18 Screen 4	Apr/May 2009	MW-18-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-18 Screen 5	Oct/Nov 2008	MW-18-5	NA		NA		5.0	U	0.010	U
MW-18 Screen 5	Apr/May 2009	MW-18-5	2.0	U	5.000	U	5.0	U	0.010	U
MW-19 Screen 1	Oct/Nov 2008	MW-19-1	NA		NA		5.0	U	0.010	U
MW-19 Screen 1	Apr/May 2009	MW-19-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-19 Screen 2	Oct/Nov 2008	MW-19-2	NA		NA		5.0	U	0.010	U
MW-19 Screen 2	Apr/May 2009	MW-19-2	2.0	U	5.000	U	**5.3**		0.010	U
MW-19 Screen 3	Oct/Nov 2008	MW-19-3	NA		NA		5.0	U	0.010	U
MW-19 Screen 3	Apr/May 2009	MW-19-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-19 Screen 4	Oct/Nov 2008	MW-19-4	NA		NA		5.0	U	0.010	U
MW-19 Screen 4	Apr/May 2009	MW-19-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-19 Screen 4	Apr/May 2009	DUPE-08-2Q09	2.0	U	5.000	U	5.0	U	0.010	U
MW-19 Screen 5	Oct/Nov 2008	MW-19-5	NA		NA		5.0	U	0.010	U
MW-19 Screen 5	Apr/May 2009	MW-19-5	2.0	U	5.000	U	5.0	U	0.010	U
MW-20 Screen 1	Jul/Aug 2008	MW-20-1	NA		NA		5.0	U	0.010	U
MW-20 Screen 1	Oct/Nov 2008	MW-20-1	NA		NA		5.0	U	0.010	U
MW-20 Screen 1	Oct/Nov 2008	MW-20-1RS	NA		NA		5.0	U	0.010	U
MW-20 Screen 1	Jan/Feb 2009	MW-20-1	NA		NA		5.0	U	0.010	U
MW-20 Screen 1	Jan/Feb 2009	DUPE-04-1Q09	NA		NA		5.0	U	0.010	U
MW-20 Screen 1	Apr/May 2009	MW-20-1	5.0	U	5.000	U	5.0	U	0.010	U
MW-20 Screen 2	Jul/Aug 2008	MW-20-2	NA		NA		5.0	U	0.010	U
MW-20 Screen 2	Oct/Nov 2008	MW-20-2	NA		NA		5.0	U	0.010	U
MW-20 Screen 2	Oct/Nov 2008	MW-20-2RS	NA		NA		5.0	U	0.010	U
MW-20 Screen 2	Jan/Feb 2009	MW-20-2	NA		NA		5.0	U	0.010	U
MW-20 Screen 2	Jan/Feb 2009	DUPE-03-1Q09	NA		NA		5.0	U	0.010	U
MW-20 Screen 2	Apr/May 2009	MW-20-2	5.0	U	5.000	U	5.0	U	0.010	U
MW-20 Screen 3	Jul/Aug 2008	MW-20-3	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-20 Screen 3	Oct/Nov 2008	MW-20-3	NA		NA		5.0	U	0.010	U
MW-20 Screen 3	Oct/Nov 2008	MW-20-3RS	NA		NA		5.0	U	0.010	U
MW-20 Screen 3	Jan/Feb 2009	MW-20-3	NA		NA		5.0	U	0.010	U
MW-20 Screen 3	Apr/May 2009	MW-20-3	5.0	U	5.000	U	5.0	U	0.010	U
MW-20 Screen 3	Apr/May 2009	DUPE-06-2Q09	5.0	U	5.000	U	5.0	U	0.010	U
MW-20 Screen 4	Jul/Aug 2008	MW-20-4	NA		NA		5.0	U	0.010	U
MW-20 Screen 4	Oct/Nov 2008	MW-20-4	NA		NA		5.0	U	0.010	U
MW-20 Screen 4	Oct/Nov 2008	MW-20-4RS	NA		NA		5.0	U	0.010	U
MW-20 Screen 4	Jan/Feb 2009	MW-20-4	NA		NA		5.0	U	0.010	U
MW-20 Screen 4	Apr/May 2009	MW-20-4	5.0	U	5.000	U	5.0	U	0.010	U
MW-20 Screen 4	Apr/May 2009	DUPE-05-2Q09	5.0	U	5.000	U	5.0	U	0.010	U
MW-20 Screen 5	Jul/Aug 2008	MW-20-5	NA		NA		5.0	U	0.010	U
MW-20 Screen 5	Oct/Nov 2008	MW-20-5	NA		NA		5.0	U	0.010	U
MW-20 Screen 5	Oct/Nov 2008	MW-20-5RS	NA		NA		5.0	U	0.010	U
MW-20 Screen 5	Jan/Feb 2009	MW-20-5	NA		NA		5.0	U	0.010	U
MW-20 Screen 5	Apr/May 2009	MW-20-5	5.0	U	5.000	U	5.0	U	0.010	U
MW-21 Screen 1	Jul/Aug 2008	MW-21-1	NA		NA		5.0	U	0.010	U
MW-21 Screen 1	Oct/Nov 2008	MW-21-1	NA		NA		5.0	U	0.010	U
MW-21 Screen 1	Oct/Nov 2008	DUPE-01-4Q08	NA		NA		5.0	U	0.010	U
MW-21 Screen 1	Jan/Feb 2009	MW-21-1	NA		NA		5.0	U	0.010	U
MW-21 Screen 1	Jan/Feb 2009	DUPE-01-1Q09	NA		NA		5.0	U	0.010	U
MW-21 Screen 1	Apr/May 2009	MW-21-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-21 Screen 2	Jul/Aug 2008	MW-21-2	NA		NA		5.0	U	0.010	U
MW-21 Screen 2	Oct/Nov 2008	MW-21-2	NA		NA		5.0	U	0.010	U
MW-21 Screen 2	Jan/Feb 2009	MW-21-2	NA		NA		5.0	U	0.010	U
MW-21 Screen 2	Apr/May 2009	MW-21-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-21 Screen 3	Jul/Aug 2008	MW-21-3	NA		NA		5.0	U	0.010	U
MW-21 Screen 3	Oct/Nov 2008	MW-21-3	NA		NA		5.0	U	0.010	U
MW-21 Screen 3	Jan/Feb 2009	MW-21-3	NA		NA		5.0	U	0.010	U
MW-21 Screen 3	Apr/May 2009	MW-21-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-21 Screen 4	Jul/Aug 2008	MW-21-4	NA		NA		5.0	U	0.010	U
MW-21 Screen 4	Oct/Nov 2008	MW-21-4	NA		NA		5.0	U	0.010	U
MW-21 Screen 4	Jan/Feb 2009	MW-21-4	NA		NA		5.0	U	0.010	U
MW-21 Screen 4	Apr/May 2009	MW-21-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-21 Screen 4	Apr/May 2009	DUPE-03-2Q09	2.0	U	5.000	U	5.0	U	0.010	U
MW-21 Screen 5	Jul/Aug 2008	MW-21-5	NA		NA		5.0	U	0.010	U
MW-21 Screen 5	Oct/Nov 2008	MW-21-5	NA		NA		5.0	U	0.010	U
MW-21 Screen 5	Jan/Feb 2009	MW-21-5	NA		NA		5.0	U	0.010	U
MW-21 Screen 5	Apr/May 2009	MW-21-5	2.0	U	5.000	U	5.0	U	0.010	U
MW-22 Screen 1	Jul/Aug 2008	MW-22-1	NA		NA		5.0	U	0.010	U
MW-22 Screen 1	Oct/Nov 2008	MW-22-1	NA		NA		5.0	U	0.010	U
MW-22 Screen 1	Jan/Feb 2009	MW-22-1	NA		NA		5.0	U	0.010	U
MW-22 Screen 1	Apr/May 2009	MW-22-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-22 Screen 2	Jul/Aug 2008	MW-22-2	NA		NA		5.0	U	0.010	U
MW-22 Screen 2	Oct/Nov 2008	MW-22-2	NA		NA		5.0	U	0.010	U
MW-22 Screen 2	Oct/Nov 2008	DUPE-06-4Q08	NA		NA		5.0	U	0.010	U
MW-22 Screen 2	Jan/Feb 2009	MW-22-2	NA		NA		5.0	U	0.010	U
MW-22 Screen 2	Apr/May 2009	MW-22-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-22 Screen 3	Jul/Aug 2008	MW-22-3	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-22 Screen 3	Oct/Nov 2008	MW-22-3	NA		NA		5.0	U	0.010	U
MW-22 Screen 3	Jan/Feb 2009	MW-22-3	NA		NA		5.0	U	0.010	U
MW-22 Screen 3	Apr/May 2009	MW-22-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-22 Screen 4	Oct/Nov 2008	MW-22-4	NA		NA		5.0	U	0.010	U
MW-22 Screen 4	Apr/May 2009	MW-22-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-22 Screen 5	Oct/Nov 2008	MW-22-5	NA		NA		5.0	U	0.010	U
MW-22 Screen 5	Apr/May 2009	MW-22-5	2.0	U	5.000	U	5.0	U	0.010	U
MW-23 Screen 1	Jul/Aug 2008	MW-23-1	NA		NA		5.0	U	0.010	U
MW-23 Screen 1	Oct/Nov 2008	MW-23-1	NA		NA		5.0	U	0.010	U
MW-23 Screen 1	Jan/Feb 2009	MW-23-1	NA		NA		5.0	U	0.010	U
MW-23 Screen 1	Apr/May 2009	MW-23-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-23 Screen 2	Jul/Aug 2008	MW-23-2	NA		NA		5.0	U	0.010	U
MW-23 Screen 2	Oct/Nov 2008	MW-23-2	NA		NA		5.0	U	0.010	U
MW-23 Screen 2	Jan/Feb 2009	MW-23-2	NA		NA		5.0	U	0.010	U
MW-23 Screen 2	Apr/May 2009	MW-23-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-23 Screen 3	Jul/Aug 2008	MW-23-3	NA		NA		5.0	U	0.010	U
MW-23 Screen 3	Oct/Nov 2008	MW-23-3	NA		NA		5.0	U	0.010	U
MW-23 Screen 3	Jan/Feb 2009	MW-23-3	NA		NA		5.0	U	0.010	U
MW-23 Screen 3	Apr/May 2009	MW-23-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-23 Screen 4	Jul/Aug 2008	MW-23-4	NA		NA		5.0	U	0.010	U
MW-23 Screen 4	Oct/Nov 2008	MW-23-4	NA		NA		5.0	U	0.010	U
MW-23 Screen 4	Jan/Feb 2009	MW-23-4	NA		NA		5.0	U	0.010	U
MW-23 Screen 4	Apr/May 2009	MW-23-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-23 Screen 5	Oct/Nov 2008	MW-23-5	NA		NA		5.0	U	0.010	U
MW-23 Screen 5	Apr/May 2009	MW-23-5	2.0	U	5.000	U	5.0	U	0.010	U
MW-24 Screen 1	Jul/Aug 2008	MW-24-1	NA		NA		**11.0**		0.010	U
MW-24 Screen 1	Oct/Nov 2008	MW-24-1	NA		NA		**8.6**		0.010	U
MW-24 Screen 1	Jan/Feb 2009	MW-24-1	NA		NA		**8.6**		0.010	U
MW-24 Screen 1	Apr/May 2009	MW-24-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-24 Screen 1	Apr/May 2009	DUPE-02-2Q09	2.0	U	5.000	U	5.0	U	0.010	U
MW-24 Screen 2	Jul/Aug 2008	MW-24-2	NA		NA		5.0	U	0.010	U
MW-24 Screen 2	Oct/Nov 2008	MW-24-2	NA		NA		5.0	U	0.010	U
MW-24 Screen 2	Jan/Feb 2009	MW-24-2	NA		NA		5.0	U	0.010	U
MW-24 Screen 2	Apr/May 2009	MW-24-2	**2.4**		5.000	U	5.0	U	0.010	U
MW-24 Screen 3	Jul/Aug 2008	MW-24-3	NA		NA		**5.9**		0.010	U
MW-24 Screen 3	Oct/Nov 2008	MW-24-3	NA		NA		5.0	U	0.010	U
MW-24 Screen 3	Oct/Nov 2008	DUPE-08-4Q08	NA		NA		5.0	U	0.010	U
MW-24 Screen 3	Jan/Feb 2009	MW-24-3	NA		NA		5.0	U	0.010	U
MW-24 Screen 3	Apr/May 2009	MW-24-3	**3.0**		5.000	U	5.0	U	0.010	U
MW-24 Screen 3	Apr/May 2009	DUPE-01-2Q09	**3.5**		5.000	U	5.0	U	0.010	U
MW-24 Screen 4	Jul/Aug 2008	MW-24-4	NA		NA		5.0	U	0.010	U
MW-24 Screen 4	Oct/Nov 2008	MW-24-4	NA		NA		5.0	U	0.010	U
MW-24 Screen 4	Jan/Feb 2009	MW-24-4	NA		NA		5.0	U	0.010	U
MW-24 Screen 4	Apr/May 2009	MW-24-4	**3.3**		5.000	U	5.0	U	0.010	U
MW-24 Screen 5	Oct/Nov 2008	MW-24-5	NA		NA		5.0	U	0.010	U
MW-24 Screen 5	Apr/May 2009	MW-24-5	**3.2**		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-25 Screen 1	Jul/Aug 2008	MW-25-1	NA		NA		5.0	U	0.010	U
MW-25 Screen 1	Oct/Nov 2008	MW-25-1	NA		NA		5.0	U	0.010	U
MW-25 Screen 1	Jan/Feb 2009	MW-25-1	NA		NA		5.0	U	0.010	U
MW-25 Screen 1	Jan/Feb 2009	DUPE-02-1Q09	NA		NA		5.0	U	0.010	U
MW-25 Screen 1	Apr/May 2009	MW-25-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-25 Screen 2	Jul/Aug 2008	MW-25-2	NA		NA		5.0	U	0.010	U
MW-25 Screen 2	Oct/Nov 2008	MW-25-2	NA		NA		5.0	U	0.010	U
MW-25 Screen 2	Jan/Feb 2009	MW-25-2	NA		NA		5.0	U	0.010	U
MW-25 Screen 2	Apr/May 2009	MW-25-2	2.0	U	5.000	U	5.0	U	0.010	U
MW-25 Screen 3	Jul/Aug 2008	MW-25-3	NA		NA		5.0	U	0.010	U
MW-25 Screen 3	Oct/Nov 2008	MW-25-3	NA		NA		5.0	U	0.010	U
MW-25 Screen 3	Jan/Feb 2009	MW-25-3	NA		NA		5.0	U	0.010	U
MW-25 Screen 3	Apr/May 2009	MW-25-3	2.0	U	5.000	U	5.0	U	0.010	U
MW-25 Screen 3	Apr/May 2009	DUPE-04-2Q09	2.0	U	5.000	U	5.0	U	0.010	U
MW-25 Screen 4	Jul/Aug 2008	MW-25-4	NA		NA		5.0	U	0.010	U
MW-25 Screen 4	Oct/Nov 2008	MW-25-4	NA		NA		5.0	U	0.010	U
MW-25 Screen 4	Jan/Feb 2009	MW-25-4	NA		NA		5.0	U	0.010	U
MW-25 Screen 4	Apr/May 2009	MW-25-4	2.0	U	5.000	U	5.0	U	0.010	U
MW-25 Screen 5	Jul/Aug 2008	MW-25-5	NA		NA		5.0	U	0.010	U
MW-25 Screen 5	Oct/Nov 2008	MW-25-5	NA		NA		5.0	U	0.010	U
MW-25 Screen 5	Jan/Feb 2009	MW-25-5	NA		NA		5.0	U	0.010	U
MW-25 Screen 5	Apr/May 2009	MW-25-5	2.0	U	5.000	U	5.0	U	0.010	U
MW-26 Screen 1	Jul/Aug 2008	MW-26-1	NA		NA		5.0	U	0.010	U
MW-26 Screen 1	Oct/Nov 2008	MW-26-1	NA		NA		5.0	U	0.010	U
MW-26 Screen 1	Jan/Feb 2009	MW-26-1	NA		NA		5.0	U	0.010	U
MW-26 Screen 1	Apr/May 2009	MW-26-1	2.0	U	5.000	U	5.0	U	0.010	U
MW-26 Screen 2	Jul/Aug 2008	MW-26-2	NA		NA		5.0	U	0.010	U
MW-26 Screen 2	Oct/Nov 2008	MW-26-2	NA		NA		5.0	U	0.010	U
MW-26 Screen 2	Jan/Feb 2009	MW-26-2	NA		NA		5.0	U	0.010	U
MW-26 Screen 2	Apr/May 2009	MW-26-2	**3.0**		5.000	U	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
E	The reported value is estimated because of the presence of interference. The serial dilution was not within control limits.
J	Indicates an estimated value
U	Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
UJ	Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
*	Interim Action Level (Lead) - California Department of Health Services
**	As of January 6, 2004, hexavalent chromium is regulated under the 50-ug/L MCL for total chromium. DHS will be adopting an MCL that is specific for hexavalent chromium (DHS, 2004). As of February 24, 2009, a draft PHG has not been established by Cal/EPA (e.g., Health and Safety Code requirement to establish the MCL), and therefore, the CDPH (formerly DHS) has not proceeded with the MCL process.

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 Company	WELL 03	6/3/2008	9.9	1.6	0.5 U	2.1
		6/10/2008	15	NA	NA	NA
		6/17/2008	16	NA	NA	NA
		6/24/2008	17	NA	NA	NA
		8/18/2008	NA	2.23	0.68	2.79
		8/19/2008	17	NA	NA	NA
		8/26/2008	19	NA	NA	NA
		9/2/2008	17	2.1	0.69	2.7
		9/9/2008	15	NA	NA	NA
		9/16/2008	20	NA	NA	NA
		9/23/2008	18	NA	NA	NA
		9/30/2008	17	NA	NA	NA
		10/7/2008	16	1.9	0.67	2.5
		10/14/2008	16	NA	NA	NA
		10/21/2008	16	NA	NA	NA
		10/28/2008	17	NA	NA	NA
		11/25/2008	20	NA	NA	NA
		12/2/2008	19	2.2	0.71	2.7
		12/17/2008	16	NA	NA	NA
		12/23/2008	16	NA	NA	NA
		12/30/2008	19	NA	NA	NA
		1/6/2009	19	1.8	0.76	2.9
		1/13/2009	19	NA	NA	NA
		1/20/2009	18	NA	NA	NA
		1/27/2009	19	NA	NA	NA
		2/18/2009	17	NA	NA	NA
		2/25/2009	15	NA	NA	NA
		3/3/2009	15	1.7	0.65	2.4
		3/10/2009	15	NA	NA	NA
		3/17/2009	17	NA	NA	NA
		3/24/2009	18	NA	NA	NA
		3/31/2009	18	NA	NA	NA
		4/7/2009	19	1.6	0.61	2.5
		4/14/2009	20	NA	NA	NA
		4/21/2009	19	NA	NA	NA
		4/28/2009	20	NA	NA	NA
		5/4/2009	19	1.7	0.58	2
		5/12/2009	17	NA	NA	NA
		5/19/2009	20	NA	NA	NA
		5/26/2009	21	NA	NA	NA
	WELL 05	6/3/2008	17	1.5	0.5 U	2.4
		6/10/2008	14	NA	NA	NA
		6/17/2008	15	NA	NA	NA
		6/24/2008	15	NA	NA	NA
		8/18/2008	NA	1.84	0.54	2.69
		8/19/2008	13	NA	NA	NA
		8/26/2008	14	NA	NA	NA
		9/2/2008	16	1.9	0.62	2.9
		9/9/2008	12	NA	NA	NA

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
Lincoln Avenue Water Company (con't)	WELL 05 (con't)	9/16/2008	**15**	NA	NA	NA
		9/30/2008	**13**	NA	NA	NA
		10/7/2008	**12**	**2**	**0.65**	**2.5**
		10/14/2008	**12**	NA	NA	NA
		10/21/2008	**12**	NA	NA	NA
		10/28/2008	**9.9**	NA	NA	NA
		11/25/2008	**15**	NA	NA	NA
		12/2/2008	**14**	**2.2**	**0.72**	**2.8**
		12/17/2008	**12**	NA	NA	NA
		12/23/2008	**12**	NA	NA	NA
		12/30/2008	**14**	NA	NA	NA
		1/6/2009	**14**	**1.6**	**0.68**	**2.5**
		1/13/2009	**14**	NA	NA	NA
		1/20/2009	**14**	NA	NA	NA
		2/18/2009	**13**	NA	NA	NA
		2/24/2009	**13**	NA	NA	NA
		3/10/2009	**13**	**2**	**0.66**	**2.6**
		4/7/2009	**16**	**2.1**	**0.8**	**3.1**
		4/14/2009	**16**	NA	NA	NA
		4/21/2009	**14**	NA	NA	NA
		4/28/2009	**15**	NA	NA	NA
		5/4/2009	**14**	**2.2**	**0.73**	**2.4**
		5/12/2009	**13**	NA	NA	NA
		5/19/2009	**15**	NA	NA	NA
		5/26/2009	**15**	NA	NA	NA
Rubio Canon Land & Water Association	WELL 04	6/2/2008	4 U	NA	NA	NA
		9/2/2008	4 U	NA	NA	NA
		10/6/2008	4 U	NA	NA	NA
		11/24/2008	4 U	NA	NA	NA
		12/1/2008	4 U	NA	NA	NA
		12/8/2008	4 U	NA	NA	NA
		12/15/2008	4 U	NA	NA	NA
		12/22/2008	4 U	NA	NA	NA
		12/29/2008	4 U	NA	NA	NA
		1/5/2009	4 U	NA	NA	NA
		2/23/2009	4 U	NA	NA	NA
		3/2/2009	4 U	NA	NA	NA
		3/9/2009	4 U	NA	NA	NA
		3/16/2009	4 U	NA	NA	NA
		3/23/2009	4 U	NA	NA	NA
		3/30/2009	4 U	NA	NA	NA
		4/6/2009	4 U	NA	NA	NA
		4/13/2009	4 U	NA	NA	NA
		4/20/2009	4 U	NA	NA	NA
		4/27/2009	4 U	NA	NA	NA
		5/4/2009	4 U	NA	NA	NA
		5/5/2009	4 U	NA	NA	NA
		5/6/2009	4 U	NA	NA	NA
		5/7/2009	4 U	NA	NA	NA
		5/8/2009	4 U	NA	NA	NA
		5/9/2009	4 U	NA	NA	NA
		5/10/2009	4 U	NA	NA	NA
		5/11/2009	4 U	NA	NA	NA
		5/12/2009	4 U	NA	NA	NA
		5/13/2009	4 U	NA	NA	NA
		5/14/2009	4 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)	5/15/2009	4 U	NA	NA	NA
		5/16/2009	4 U	NA	NA	NA
		5/17/2009	4 U	NA	NA	NA
		5/18/2009	4 U	NA	NA	NA
		5/19/2009	4 U	NA	NA	NA
		5/20/2009	4 U	NA	NA	NA
		5/21/2009	4 U	NA	NA	NA
		5/22/2009	4 U	NA	NA	NA
		5/23/2009	4 U	NA	NA	NA
		5/24/2009	4 U	NA	NA	NA
		5/25/2009	4 U	NA	NA	NA
		5/26/2009	4 U	NA	NA	NA
		5/27/2009	4 U	NA	NA	NA
	WELL 07	6/2/2008	4 U	NA	NA	NA
		9/2/2008	4 U	NA	NA	NA
		10/6/2008	4 U	NA	0.5 U	NA
		11/24/2008	4 U	NA	NA	NA
		12/1/2008	4 U	NA	NA	NA
		12/8/2008	4 U	NA	NA	NA
		12/15/2008	4 U	NA	NA	NA
		12/22/2008	4 U	NA	NA	NA
		12/29/2008	4 U	NA	NA	NA
		2/23/2009	4 U	NA	NA	NA
		3/2/2009	4 U	NA	**0.7**	NA
		3/9/2009	4 U	NA	NA	NA
		3/16/2009	4 U	NA	NA	NA
		3/23/2009	4 U	NA	NA	NA
		3/30/2009	4 U	NA	NA	NA
		4/6/2009	4 U	NA	NA	NA
		4/8/2009	NA	NA	**0.57**	NA
		4/13/2009	4 U	NA	NA	NA
		4/20/2009	4 U	NA	NA	NA
		4/27/2009	4 U	NA	NA	NA
		5/4/2009	4 U	NA	NA	NA
		5/5/2009	4 U	NA	NA	NA
		5/6/2009	4 U	NA	NA	NA
		5/7/2009	4 U	NA	NA	NA
		5/8/2009	4 U	NA	NA	NA
		5/9/2009	4 U	NA	NA	NA
		5/10/2009	4 U	NA	NA	NA
		5/11/2009	4 U	NA	NA	NA
		5/12/2009	4 U	NA	NA	NA
		5/13/2009	4 U	NA	NA	NA
		5/14/2009	4 U	NA	NA	NA
		5/15/2009	4 U	NA	NA	NA
		5/16/2009	4 U	NA	NA	NA
		5/17/2009	4 U	NA	NA	NA
		5/18/2009	4 U	NA	NA	NA
		5/19/2009	4 U	NA	NA	NA
		5/20/2009	4 U	NA	NA	NA
		5/21/2009	4 U	NA	NA	NA
		5/22/2009	4 U	NA	NA	NA
		5/23/2009	4 U	NA	NA	NA
		5/24/2009	4 U	NA	NA	NA
		5/25/2009	4 U	NA	NA	NA
		5/26/2009	4 U	NA	NA	NA
		5/27/2009	4 U	NA	NA	NA

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
Las Flores Water Commpany	WELL 02	6/2/2008	**5.7**	NA	**0.62**	NA
		6/9/2008	**5.9**	NA	**0.69**	NA
		6/16/2008	**6.2**	NA	**0.65**	NA
		6/23/2008	**5.9**	NA	**0.93**	NA
		8/18/2008	**5.7**	NA	**0.8**	NA
		8/25/2008	**5.4**	NA	**0.86**	NA
		9/2/2008	**5.3**	NA	**0.9**	NA
		9/8/2008	**4.5**	NA	**0.9**	NA
		9/15/2008	**6.6**	NA	**0.94**	NA
		9/22/2008	**4.5**	NA	**0.92**	NA
		9/29/2008	**5.3**	NA	**0.95**	NA
		10/6/2008	**4.9**	NA	**0.88**	NA
		10/13/2008	**5.2**	NA	**0.74**	NA
		10/20/2008	**5.4**	NA	**1**	NA
		10/27/2008	4 U	NA	**0.99**	NA
		12/1/2008	**5.6**	NA	**1.1**	NA
		12/8/2008	**5.5**	NA	**1.1**	NA
		12/15/2008	**4.8**	NA	**0.93**	NA
		12/22/2008	**4.6**	NA	**0.94**	NA
		12/29/2008	**4.6**	NA	**1**	NA
		1/5/2009	**5.6**	NA	**0.92**	NA
		1/12/2009	**5.5**	NA	**0.91**	NA
		1/19/2009	**5.6**	NA	**1**	NA
		1/26/2009	**5.2**	NA	**0.95**	NA
		2/23/2009	**4.7**	NA	**0.79**	NA
		3/2/2009	**4.2**	NA	**0.78**	NA
		3/9/2009	**4.4**	NA	**0.79**	NA
		3/16/2009	**4.4**	NA	**0.74**	NA
		3/23/2009	**5.7**	NA	**0.71**	NA
		3/30/2009	**4.9**	NA	**0.69**	NA
		4/6/2009	**5.8**	NA	**0.68**	NA
		4/13/2009	**5.8**	NA	**0.51**	NA
		4/20/2009	**6.3**	NA	**0.6**	NA
		4/27/2009	**5.5**	NA	**0.82**	NA
		5/4/2009	**6.3**	NA	**0.77**	NA
		5/11/2009	**6**	NA	**0.75**	NA
		5/18/2009	**5.7**	NA	**0.72**	NA
La Canada Irrigation District	WELL 01	6/9/2008	NA	NA	0.5 U	**1.1**
		8/25/2008	4 U	NA	NA	NA
		9/29/2008	NA	NA	**0.71**	**1.3**
		10/14/2008	4 U	NA	NA	NA
		12/22/2008	NA	NA	**0.71**	**1.6**
		2/23/2009	4 U	NA	NA	NA
		3/16/2009	NA	0.5 U	**0.66**	**1.8**
	WELL 06	6/9/2008	NA	NA	0.5 U	**0.55**
		9/29/2008	NA	NA	0.5 U	0.5 U
		10/14/2008	4 U	NA	NA	NA
		12/8/2008	NA	0.5 U	0.5 U	0.5 U
		3/16/2009	NA	NA	0.5 U	0.5 U
Valley Water Company	WELL 01	6/10/2008	4 U	0.5 U	**2.4**	**0.9**
		7/7/2008	NA	0.5 U	**2.7**	**0.8**
		8/5/2008	NA	NA	**3.4**	**0.95**
		9/2/2008	**4.1**	**0.5**	**3.1**	**0.9**
		10/7/2008	**4**	**0.5**	**2.6**	**1**
		5/18/2009	NA	0.5 U	**1.4**	0.5 U

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
Valley Water Company (con't)	WELL 02	6/10/2008	4 U	0.5 U	**4**	**0.5**
		7/7/2008	NA	0.5 U	**3.8**	0.5 U
		8/5/2008	NA	**0.5**	**4.6**	**0.63**
		10/15/2008	**4**	**0.5**	**3.3**	**0.5**
		3/10/2009	4 U	0.5 U	0.5 U	0.5 U
		5/18/2009	NA	0.5 U	**4.3**	**0.71**
	WELL 03	6/10/2008	**4.3**	0.5 U	**1.6**	**0.7**
		7/7/2008	NA	0.5 U	**1.7**	**0.6**
		8/5/2008	NA	**0.5**	**1.7**	**0.79**
		5/18/2009	NA	0.5 U	**2.2**	**1.2**
	WELL 04	6/10/2008	4 U	0.5 U	**2.1**	**0.7**
		7/7/2008	NA	0.5 U	**2.3**	**1**
		8/5/2008	NA	**0.5**	**1.8**	**1.3**
		9/2/2008	**4.2**	**0.5**	**1.8**	**1**
		10/7/2008	**4**	**0.5**	**1.9**	**1.1**
		5/18/2009	NA	0.5 U	**1.6**	**1**
California Maximum Contaminant Level (MCL)			6*	0.5	5	5
EPA Region IX Maximum Contaminant Level			NE	5	5	5

Notes

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

TABLE 4
TENTATIVELY IDENTIFIED COMPOUNDS
IN SAMPLES COLLECTED DURING THE APR/MAY 2009 SAMPLING EVENT
(All concentrations reported in µg/L.)

Sampling Location	Sample Type	Tentatively Identified Compound	Concentration
MW-11-1	NORMAL	Sulfur dioxide *	0.014
MW-11-2	NORMAL	Sulfur dioxide *	0.02
MW-11-3	NORMAL	Sulfur dioxide *	0.021
MW-11-4	NORMAL	Sulfur dioxide *	0.02
MW-11-5	NORMAL	Sulfur dioxide *	0.018
MW-12-1	NORMAL	Sulfur dioxide *	0.0081
MW-12-2	NORMAL	Sulfur dioxide *	0.01
MW-12-3	NORMAL	Sulfur dioxide *	0.015
MW-12-3	DUP	Sulfur dioxide *	0.013
MW-12-4	NORMAL	Sulfur dioxide *	0.015
MW-12-5	NORMAL	Sulfur dioxide *	0.0096
MW-14-1	NORMAL	Sulfur dioxide *	0.0029
MW-14-2	NORMAL	Sulfur dioxide *	0.0037
MW-14-3	NORMAL	Sulfur dioxide *	0.0045
MW-14-4	NORMAL	Sulfur dioxide *	0.0061
MW-14-5	NORMAL	Sulfur dioxide *	0.013
MW-17-1	NORMAL	Sulfur dioxide *	0.015
MW-18-2	NORMAL	Sulfur dioxide *	0.0021
MW-18-3	NORMAL	Sulfur dioxide *	0.0059
MW-18-4	NORMAL	Sulfur dioxide *	0.0087
MW-18-5	NORMAL	Sulfur dioxide *	0.015
MW-20-1	NORMAL	Sulfur dioxide *	0.02
MW-20-2	NORMAL	Sulfur dioxide *	0.024
MW-20-3	NORMAL	Sulfur dioxide *	0.035
MW-20-3	DUP	Sulfur dioxide *	0.031
MW-20-4	NORMAL	Sulfur dioxide *	0.056
MW-20-4	DUP	Sulfur dioxide *	0.044
MW-20-5	NORMAL	Sulfur dioxide *	0.049
MW-21-5	NORMAL	Sulfur dioxide *	0.0075
MW-22-1	NORMAL	Sulfur dioxide *	0.0068
MW-22-2	NORMAL	Sulfur dioxide *	0.011
MW-22-3	NORMAL	Sulfur dioxide *	0.016
MW-22-4	NORMAL	Sulfur dioxide *	0.026
MW-22-5	NORMAL	Sulfur dioxide *	0.067
MW-23-2	NORMAL	Sulfur dioxide *	0.0021
MW-23-3	NORMAL	Sulfur dioxide *	0.0069
MW-23-4	NORMAL	Sulfur dioxide *	0.011
MW-23-5	NORMAL	Sulfur dioxide *	0.022
MW-24-1	NORMAL	Sulfur dioxide *	0.014
MW-24-1	DUP	Sulfur dioxide *	0.012
MW-24-2	NORMAL	Sulfur dioxide *	0.015
MW-24-3	NORMAL	Sulfur dioxide *	0.018
MW-24-3	DUP	Sulfur dioxide *	0.0089
MW-24-4	NORMAL	Sulfur dioxide *	0.028
MW-25-1	NORMAL	Sulfur dioxide *	0.0031

Sampling Location	Sample Type	Tentatively Identified Compound	Concentration
MW-25-2	NORMAL	Sulfur dioxide *	0.0043
MW-25-3	NORMAL	Sulfur dioxide *	0.0084
MW-25-3	DUP	Sulfur dioxide *	0.0024
MW-25-4	NORMAL	Sulfur dioxide *	0.016
MW-25-5	NORMAL	Sulfur dioxide *	0.032
MW-3-3	NORMAL	Sulfur dioxide *	0.0064
MW-3-4	NORMAL	Sulfur dioxide *	0.018
MW-4-4	NORMAL	Sulfur dioxide *	0.0041
MW-4-5	NORMAL	Sulfur dioxide *	0.015

Notes

µg/L = Micrograms per liter

* = Possible laboratory contamination