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# Technical Memorandum

## First Quarter 2014 Groundwater Monitoring Summary

### National Aeronautics and Space Administration

### Jet Propulsion Laboratory, Pasadena, California

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Final

April 2014

This technical memorandum summarizes the results of the first quarter 2014 groundwater sampling event completed as part of the groundwater monitoring program at the National Aeronautics and Space Administration (NASA) Jet Propulsion Laboratory (JPL). The first quarter 2014 groundwater sampling event was conducted January 24 - February 7, 2014.

#### INTRODUCTION

During the first quarter 2014 sampling event, groundwater samples were collected from 23 JPL monitoring wells (MWs), both on- and off-facility, and analyzed for volatile organic compounds (VOCs), total chromium, hexavalent chromium [Cr(VI)] and perchlorate. Figure 1 shows the locations of the groundwater monitoring wells.

Groundwater samples were shipped to BC Laboratories, Inc., in Bakersfield, California, for chemical analysis. BC Laboratories, Inc. is certified by the California Department of Public Health (CDPH). Sample collection procedures and sample analyses were conducted in accordance with the approved *Work Plan for Performing a Remedial Investigation/Feasibility Study*.<sup>1</sup> No reported data were rejected for non-compliance with method requirements during the course of validation and no reported data were deemed unusable.

Table 1 summarizes analytical results for VOCs and perchlorate and Table 2 summarizes analytical results for metals during the most recent four quarters. Table 3 summarizes VOC and perchlorate concentrations in production wells located near the JPL facility during the most recent four quarters. No tentatively identified compounds (TICs) were detected in the samples collected during the first quarter of 2014.

Figures summarizing the results from the first quarter 2014 sampling event are included in this technical memorandum. Figure 2 shows the lateral extent of carbon tetrachloride concentrations in groundwater and Figure 3 provides 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 provides a cross-section detailing the horizontal and vertical extent of perchlorate in groundwater. Figure 6 shows the lateral extent of tetrachloroethene (PCE) concentrations in groundwater. Figure 7 shows the lateral extent of trichloroethene (TCE) concentrations in groundwater. Figure 8 shows groundwater elevation contours and groundwater flow directions.

The groundwater monitoring wells have been grouped into four categories:

- On-facility source area wells (MW-7, MW-13, MW-16 and MW-24);
- Other on-facility wells (MW-6, MW-8, MW-11, MW-22 and MW-23);
- Perimeter off-facility wells (MW-1, MW-3, MW-4, MW-5, MW-9, MW-10, MW-12, MW-14 and MW-15 [MW-1 and MW-9 were not sampled during the first quarter 2014]); and
- Off-facility wells (MW-17, MW-18, MW-19, MW-20, MW-21, MW-25 and MW-26).

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

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

### **ON-FACILITY SOURCE AREA WELLS**

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

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

### **PERCHLORATE ANALYTICAL RESULTS**

- During the first quarter 2014 sampling event, concentrations of perchlorate in excess of the state maximum contaminant level (MCL) (6.0 micrograms per liter [ $\mu\text{g}/\text{L}$ ]) were reported in samples collected from wells MW-13 (36.0  $\mu\text{g}/\text{L}$ ) and MW-24 (Screens 1 [160  $\mu\text{g}/\text{L}$ ] and 2 [8.0  $\mu\text{g}/\text{L}$ ]). This is the first detection above the state MCL of 6.0  $\mu\text{g}/\text{L}$  in MW-24 (Screen 1) since the third quarter 2011, and may be associated with source area Extraction Well No. 3 (EW-3) being shut down for pump replacement from January 10 through February 19, 2014. Perchlorate results in MW-24 (Screen 1) will continue to be closely evaluated during subsequent sampling events.
- Perchlorate was detected below the state MCL (6.0  $\mu\text{g}/\text{L}$ ) at estimated concentrations indicated by "J" in MW-7 (2.4J  $\mu\text{g}/\text{L}$ ) and MW-16 (2.3J  $\mu\text{g}/\text{L}$ ). No other perchlorate detections occurred in the on-facility source area wells during the first quarter 2014.
- Perchlorate concentrations increased from their respective previous sampling date to the first quarter 2014 in MW-16 (non-detect to 2.3J  $\mu\text{g}/\text{L}$ ) and MW-24 (Screen 1 [2.3J  $\mu\text{g}/\text{L}$  to 160  $\mu\text{g}/\text{L}$ ]).
- Perchlorate concentrations decreased from their respective previous sampling event to the first quarter 2014 in MW-7 (6.1  $\mu\text{g}/\text{L}$  to 2.4J  $\mu\text{g}/\text{L}$ ), MW-13 (520  $\mu\text{g}/\text{L}$  to 36.0  $\mu\text{g}/\text{L}$ ) and MW-24 (Screen 2 [9.7  $\mu\text{g}/\text{L}$  to 8.0  $\mu\text{g}/\text{L}$ ]).
- Perchlorate concentration in MW-24 (Screen 3) was non-detect during the first quarter 2014, with a reporting limit of 4.0  $\mu\text{g}/\text{L}$ .

### **VOC ANALYTICAL RESULTS**

- During the first quarter 2013, carbon tetrachloride was detected at a concentration above the state MCL (0.5  $\mu\text{g}/\text{L}$ ) in MW-24 (Screen 1 [0.7  $\mu\text{g}/\text{L}$ ]). Carbon tetrachloride was also detected below the state MCL in MW-16 (0.2J  $\mu\text{g}/\text{L}$ ).
- During the first quarter 2014, TCE was detected below the state and federal MCL of 5.0  $\mu\text{g}/\text{L}$  in MW-13 (0.3J  $\mu\text{g}/\text{L}$ ).
- During the first quarter 2014, PCE was detected below the state and federal MCL of 5.0  $\mu\text{g}/\text{L}$  in MW-13 (2.3  $\mu\text{g}/\text{L}$ ) and MW-24 (Screens 1, 2 and 3 [1.2  $\mu\text{g}/\text{L}$ , 0.1J  $\mu\text{g}/\text{L}$  and 0.1J  $\mu\text{g}/\text{L}$ , respectively]).

## OTHER NOTABLE ANALYTICAL RESULTS

- During the first quarter 2014, Cr(VI)<sup>2</sup> was detected below the state MCL of 50.0 µg/L in MW-7 (2.0 µg/L), MW-16 (15.0 µg/L) and MW-24 (Screen 2 [2.0 µg/L]).
- During the first quarter 2014, total chromium was above the state MCL of 50.0 µg/L in wells MW-13 (150 µg/L) and MW-16 (410 µg/L). Total chromium was also detected below the state MCL of 50.0 µg/L in MW-7 (49.0 µg/L) and MW-24 (Screens 1 [16.0 µg/L] and 2 [2.6 µg/L]). The total chromium detections in MW-13 (150 µg/L) and MW-16 (410 µg/L) are the highest detections in these wells since they were first analyzed for total chromium in 1996. The detection of total chromium in well MW-16 during the first quarter 2014 is only the fifth time total chromium has been detected above the state MCL of 50.0 µg/L (fourth quarter 2001 [140.8 µg/L], fourth quarter 2006 [73.7 µg/L], third quarter 2012 [93.0 µg/L], fourth quarter 2013 [260 µg/L] and first quarter 2014 [410 µg/L]) since it was first monitored for total chromium in 1996. Total chromium results in the on-facility source area wells will continue to be closely evaluated during subsequent sampling events.

## OTHER ON-FACILITY WELLS

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

## PERCHLORATE ANALYTICAL RESULTS

- During the first quarter 2014, perchlorate was detected above the state MCL of 6.0 µg/L in MW-8 (94.0 µg/L). This is the second detection above the state MCL of 6.0 µg/L in MW-8 since the first quarter 2010. Perchlorate results in MW-8 will continue to be closely evaluated during subsequent sampling events.
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-6 (2.9 µg/L), MW-22 (Screens 1 through 3 [3.3 µg/L, 2.5 µg/L and 2.6 µg/L, respectively]) and MW-23 (Screens 1 through 3 [3.7 µg/L, 4.6 µg/L and 2.8 µg/L, respectively]).
- Perchlorate concentrations increased from their respective previous sampling event to the first quarter 2014 in MW-8 (71.0 µg/L to 94.0 µg/L) and MW-23 (Screen 2 [4.1 µg/L to 4.6 µg/L]).
- Perchlorate concentrations decreased slightly from their respective previous sampling event to the first quarter 2014 in MW-6 (3.3 µg/L to 2.9 µg/L), MW-22 (Screens 1 [3.7 µg/L to 3.3 µg/L] and 2 [3.5 µg/L to 2.5 µg/L]) and MW-23 (Screens 1 [4.7 µg/L to 3.7 µg/L] and 3 [3.1 µg/L to 2.8 µg/L]).
- During the first quarter 2014, perchlorate was not detected in MW-11 (Screens 1 through 4) with a reporting limit of 4.0 µg/L.

## VOC ANALYTICAL RESULTS

- Carbon tetrachloride was not detected in any of the other on-facility wells during the first quarter 2014 with a reporting limit of 0.5 µg/L.
- During the first quarter 2014, TCE was detected below the state and federal MCL of 5.0 µg/L in MW-6 (4.2 µg/L), MW-8 (0.2 µg/L), MW-22 (Screens 1 through 3 [2.0 µg/L, 0.1 µg/L and 0.1 µg/L, respectively]) and MW-23 (Screens 1 [3.5 µg/L] and 2 [1.1 µg/L]).

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<sup>2</sup> On August 23, 2013, the California Department of Public Health (CDPH) proposed to establish an MCL for Cr(VI) at a 10.0 µg/L. See <http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Chromium6.aspx>.

- During the first quarter 2014, PCE was detected below the state and federal MCL for PCE (5.0 µg/L) in MW-6 (1.1 µg/L), MW-22 (Screen 1 [0.6 µg/L]) and MW-23 (Screens 1 [0.5] µg/L] and 2 [0.4] µg/L]).

#### **OTHER NOTABLE ANALYTICAL RESULTS**

- During the first quarter 2014, Cr(VI)<sup>2</sup> was detected below the state MCL of 50 µg/L in MW-8 (1.0] µg/L) and MW-23 (Screen 4 [3.0 µg/L]).
- During the first quarter 2014, total chromium was detected below the state and federal MCL (50 µg/L) in MW-6 (8.1 µg/L), MW-8 (3.4 µg/L), MW-22 (Screens 1 through 3 [2.7] µg/L, 1.4] µg/L and 1.4] µg/L, respectively]) and MW-23 (Screens 1 through 4 [1.6] µg/L, 1.2] µg/L, 3.1 µg/L and 2.6] µg/L, respectively]).

#### **PERIMETER OFF-FACILITY WELLS**

The perimeter off-facility wells are located near the JPL fence line along the perimeter of the property. This group of wells consists of MW-1, MW-3, MW-4, MW-5, MW-9, MW-10, MW-12, MW-14 and MW-15 (MW-1 and MW-9 were not sampled during the first quarter 2014).

#### **PERCHLORATE ANALYTICAL RESULTS**

- During the first quarter 2014 sampling event, concentrations of perchlorate in excess of the state MCL (6.0 µg/L) were reported in samples collected from wells MW-4 (Screen 2 [100 µg/L]) and MW-5 (10.0 µg/L). This is the first detection above the state MCL of 6.0 µg/L in MW-5 since the fourth quarter 2009.
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-3 (Screen 2 [3.9] µg/L), MW-4 (Screen 3 [1.7] µg/L), MW-10 (3.4] µg/L), MW-12 (Screens 2 through 5 [4.2 µg/L, 1.8] µg/L, 3.5] µg/L and 2.5] µg/L, respectively]) and MW-14 (Screens 1 through 4 [3.4] µg/L, 3.4] µg/L, 4.7 µg/L and 4.0 µg/L, respectively]).
- Perchlorate concentrations increased from their respective previous sampling date to the first quarter 2014 in MW-3 (Screen 2 [non-detect to 3.9] µg/L), MW-5 (1.5] µg/L to 10.0 µg/L), MW-12 (Screen 4 [3.3] µg/L to 3.5] µg/L) and MW-14 (Screen 2 [non-detect to 3.4] µg/L).
- Perchlorate concentrations decreased from their previous sampling event to the first quarter 2014 in MW-3 (Screen 4 [1.0] µg/L to non-detect]), MW-4 (Screens 2 [210 µg/L to 100 µg/L] and 3 [2.2] µg/L to 1.7] µg/L), MW-10 (6.4 µg/L to 3.4] µg/L), MW-12 (Screens 2 [5.6 µg/L to 4.2 µg/L], 3 [4.5 µg/L to 1.8] µg/L] and 5 [3.3] µg/L to 2.5] µg/L) and MW-14 (Screens 1 [4.0 µg/L to 3.4] µg/L], 3 [5.7 µg/L to 4.7 µg/L] and 4 [5.3 µg/L to 4.0 µg/L]).
- The perchlorate concentration of 100 µg/L in MW-4 (Screen 2) is down from the high detection of 250 µg/L (third quarter 2013). The perchlorate detection is consistent with recent detections in this well screen. Since the first quarter 2011, concentrations have exceeded the state MCL (6.0 µg/L). MW-4 is within the capture zone of the Monk Hill Treatment System (MHTS).
- The perchlorate concentrations in MW-12 (Screen 2) were detected below the state MCL (6.0 µg/L) from the first quarter 2008 through the third quarter 2010. Since the fourth quarter 2010, the detections have been above the state MCL (6.0 µg/L) with six exceptions: 5.7 µg/L, 5.4 µg/L, 5.3 µg/L, non-detect, 5.6 µg/L and 4.2 µg/L (first and second quarters of 2011, fourth quarter 2011, first and fourth quarters of 2013 and first quarter 2014, respectively). MW-12 is within the capture zone of the MHTS.
- Perchlorate was not detected in MW-3 (Screens 3 and 4), MW-4 (Screen 1), MW-12 (Screen 1) and MW-14 (Screen 5) with a reporting limit of 4.0 µg/L.

## VOC ANALYTICAL RESULTS

- During the first quarter 2014, carbon tetrachloride was detected at or above the state MCL in MW-12 (Screens 3 through 5 [0.5] µg/L, 0.9 µg/L and 0.5] µg/L, respectively). No other carbon tetrachloride detections occurred in the perimeter off-facility wells during the first quarter 2014.
- During the first quarter 2014, TCE was detected in wells MW-4 (Screen 2 [1.0 µg/L]), MW-5 (3.6 µg/L), MW-10 (6.6 µg/L), MW-12 (Screens 3 through 5 [0.1] µg/L, 0.4] µg/L and 0.2] µg/L, respectively) and MW-14 (Screens 1 through 4 [3.4 µg/L, 3.7 µg/L, 2.0 µg/L and 0.4] µg/L, respectively); however, only the detection of 6.6 µg/L in MW-10 is above the state and federal MCL (5.0 µg/L). No other TCE detections occurred in the perimeter off-facility wells during the first quarter 2014.
- During the first quarter 2014, PCE was detected below the state and federal MCL (5.0 µg/L) in wells MW-3 (Screens 3 [0.2] µg/L] and 4 [0.1] µg/L]), MW-4 (Screen 2 [0.7 µg/L]), MW- 5 (0.4] µg/L), MW-10 (0.8 µg/L) and MW-14 (Screens 1 through 4 [0.4] µg/L, 0.4] µg/L, 0.5 µg/L and 0.4] µg/L, respectively]). No other PCE detections occurred in the perimeter off-facility wells during the first quarter 2014.

## OTHER NOTABLE ANALYTICAL RESULTS

- During the first quarter 2014, Cr(VI)<sup>2</sup> was detected below the state MCL of 50.0 µg/L in MW-3 (Screen 4 [1.0] µg/L]), MW-4 (Screens 2 [1.0] µg/L] and 3 [1.0] µg/L]) and MW-14 (Screens 1 [1.0] µg/L] and 3 [1.0] µg/L]). No other Cr(VI)<sup>2</sup> detections occurred in the perimeter off-facility wells during the first quarter 2014.
- During the first quarter 2014, total chromium was detected below the state MCL of 50.0 µg/L in MW-3 (Screens 3 [6.3 µg/L] and 4 [6.2 µg/L]), MW-4 (Screens 2 [2.4] µg/L] and 3 [1.1] µg/L]), MW-5 (0.7] µg/L), MW-12 (Screen 2 [1.0] µg/L]) and MW-14 (Screen 3 [0.8] 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. These wells are located near and down gradient of the two off-facility treatment plants: MHTS and Lincoln Avenue Water Company (LAWC) treatment system. Daily operation of the MHTS began in February 2011. Operation of the LAWC system began in July 2004.

## PERCHLORATE ANALYTICAL RESULTS

- During the first quarter 2014 sampling event, concentrations of perchlorate in excess of the state MCL (6.0 µg/L) were reported in samples collected from wells MW-17 (Screens 3 [7.4 µg/L] and 4 [18.0 µg/L]), MW-18 (Screens 3 [35.0 µg/L] and 4 [15.0 µg/L]), MW-21 (Screen 1 [11.0 µg/L]) and MW-25 (Screens 1 through 4 [11.0 µg/L, 15.0 µg/L, 12.0 µg/L and 10.0 µg/L, respectively]).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-19 (Screens 2 through 5 [5.9 µg/L, 2.4] µg/L, 3.4] µg/L and 2.8] µg/L, respectively]), MW-20 (Screen 2 [1.6] µg/L]), MW-21 (Screens 2 through 5 [2.9] µg/L, 2.7] µg/L, 2.1] µg/L and 1.7] µg/L, respectively]) and MW-26 (Screens 1 [2.5] µg/L] and 2 [2.6] µg/L]).
- Perchlorate concentrations increased slightly from their respective previous sampling date to the first quarter 2014 in MW-17 (Screens 3 [7.1 µg/L to 7.4 µg/L] and 4 [15.0 µg/L to 18.0

µg/L), MW-19 (Screen 4 [2.9] µg/L to 3.4] µg/L) and MW-21 (Screen 1 [9.3 µg/L to 11.0 µg/L]).

- The perchlorate concentration decreased from its respective previous sampling event to the first quarter 2014 in MW-18 (Screen 3 [44.0 µg/L to 35.0 µg/L]), MW-19 (Screens 2 [6.1 µg/L to 5.9 µg/L], 3 [3.4] µg/L to 2.4] µg/L) and 5 [3.8] µg/L to 2.8] µg/L), MW-20 (Screen 2 [2.3] µg/L to 1.6] µg/L), MW-21 (Screens 2 [3.5] µg/L to 2.9] µg/L), 3 [3.5] µg/L to 2.7] µg/L) and 5 [3.0] µg/L to 1.7] µg/L), MW-25 (Screens 2 [16.0 µg/L to 15.0 µg/L] and 3 [13.0 µg/L to 12.0 µg/L]) and MW-26 (Screens 1 [4.5 µg/L to 2.5] µg/L] and 2 [3.3] µg/L to 2.6] µg/L]).
- The perchlorate concentration of 18.0 µg/L in MW-17 (Screen 4) is the fourth detection above the state MCL (6.0 µg/L) since the first quarter 2013. From the third quarter 2002 to the first quarter 2013, the perchlorate concentrations in MW-17 (Screen 4) had been either non-detect or below the state MCL (6.0 µg/L) with only one detection that exceeded the state MCL (second quarter 2003 [6.5 µg/L]). MW-17 is located within the capture zone of the LAWC treatment system.
- The detection of 11.0 µg/L in MW-21 (Screen 1) is the second detection above the MCL in this screen interval since a detection of 7.3 µg/L during the fourth quarter 2004. This well is located cross-gradient to JPL and is representative of groundwater from the La-Cañada Flintridge area to the northwest of JPL.
- Concentrations of perchlorate were not detected in MW-17 (Screen 2), MW-18 (Screens 2 and 5), MW-19 (Screen 1), MW-20 (Screens 1, 3, 4 and 5) and MW-25 (Screen 5) with a reporting limit of 4.0 µg/L.

#### VOC ANALYTICAL RESULTS

- During the first quarter 2014, carbon tetrachloride was detected above the state MCL (0.5 µg/L) in MW-17 (Screen 4 [0.8 µg/L]) and MW-18 (Screens 3 [5.2 µg/L] and 4 [1.8 µg/L]). No other carbon tetrachloride detections occurred in the off-facility wells during the first quarter 2014. Since the first quarter 2005, the carbon tetrachloride concentrations in MW-18 (Screen 3) have exceeded the state MCL (0.5 µg/L). Carbon tetrachloride detections in MW-18 (Screen 4) have exceeded the state MCL (0.5 µg/L) since the third quarter 1996 with one exception (non-detect [fourth quarter 2010]). MW-18 is located in the capture zone of the LAWC treatment system.
- During the first quarter 2014, TCE was detected in MW-17 (Screens 3 and 4), MW-18 (Screens 3 and 4), MW-19 (Screens 2, 4 and 5), MW-20 (Screens 2 and 3), MW-21 (Screens 1 through 5), MW-25 (Screens 1 and 2) and MW-26 (Screens 1 and 2); however, no detections exceeded the state and federal MCL (5.0 µg/L).
- During the first quarter 2014, PCE was detected in MW-17 (Screens 3 and 4), MW-18 (Screen 4), MW-19 (Screens 2 through 5), MW-20 (Screen 3), MW-21 (Screens 1 through 5), MW-25 (Screen 3) and MW-26 (Screens 1 and 2); however, no detections exceeded the state and federal MCL (5.0 µg/L).

#### OTHER NOTABLE ANALYTICAL RESULTS

- During the first quarter 2014, Cr(VI)<sup>2</sup> was detected below the state MCL of 50.0 µg/L in MW-17 (Screen 4 [3.0 µg/L]), MW-18 (Screens 3 [2.0] µg/L] and 4 [2.0] µg/L]), MW-20 (Screen 5 [1.0] µg/L]), MW-21 (Screens 1 through 5 [2.0 µg/L, 1.0] µg/L, 1.0] µg/L, 1.0] µg/L and 2.0] µg/L]) and MW-25 (Screens 2 through 4 [2.0] µg/L, 3.0 µg/L and 1.0] µg/L, respectively)).
- During the third quarter 2013, total chromium was detected below the state MCL of 50.0 µg/L in MW-17 (Screen 4 [4.0 µg/L]), MW-18 (Screens 3 [1.8] µg/L] and 4 [2.8] µg/L]), MW-21

(Screens 1, [1.8]  $\mu\text{g/L}$ ], 3 [0.6]  $\mu\text{g/L}$ ] and 4 [0.9]  $\mu\text{g/L}$ ]) and MW-25 (Screens 2 through 4 [4.0  $\mu\text{g/L}$ , 1.8]  $\mu\text{g/L}$  and 0.9]  $\mu\text{g/L}$ , respectively]).

#### **ALL WELL CATEGORIES (OTHER RESULTS)**

- Comparing the fourth quarter 2013 to the first quarter 2014, groundwater elevations decreased by an average of approximately 3.20 ft.
- Groundwater level measurements collected during the first quarter 2014 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)
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## FIGURES





Figure 1.



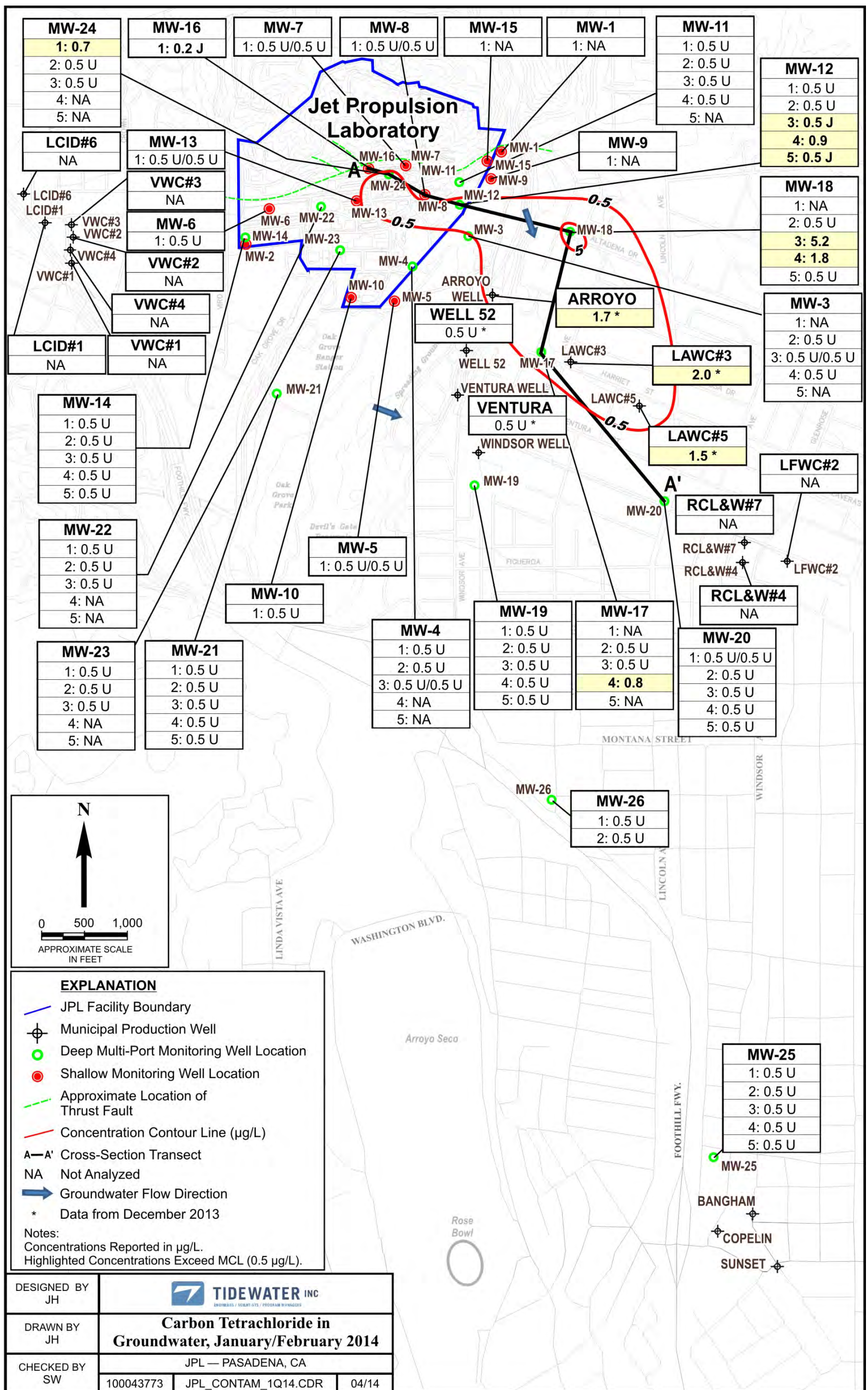


Figure 2.



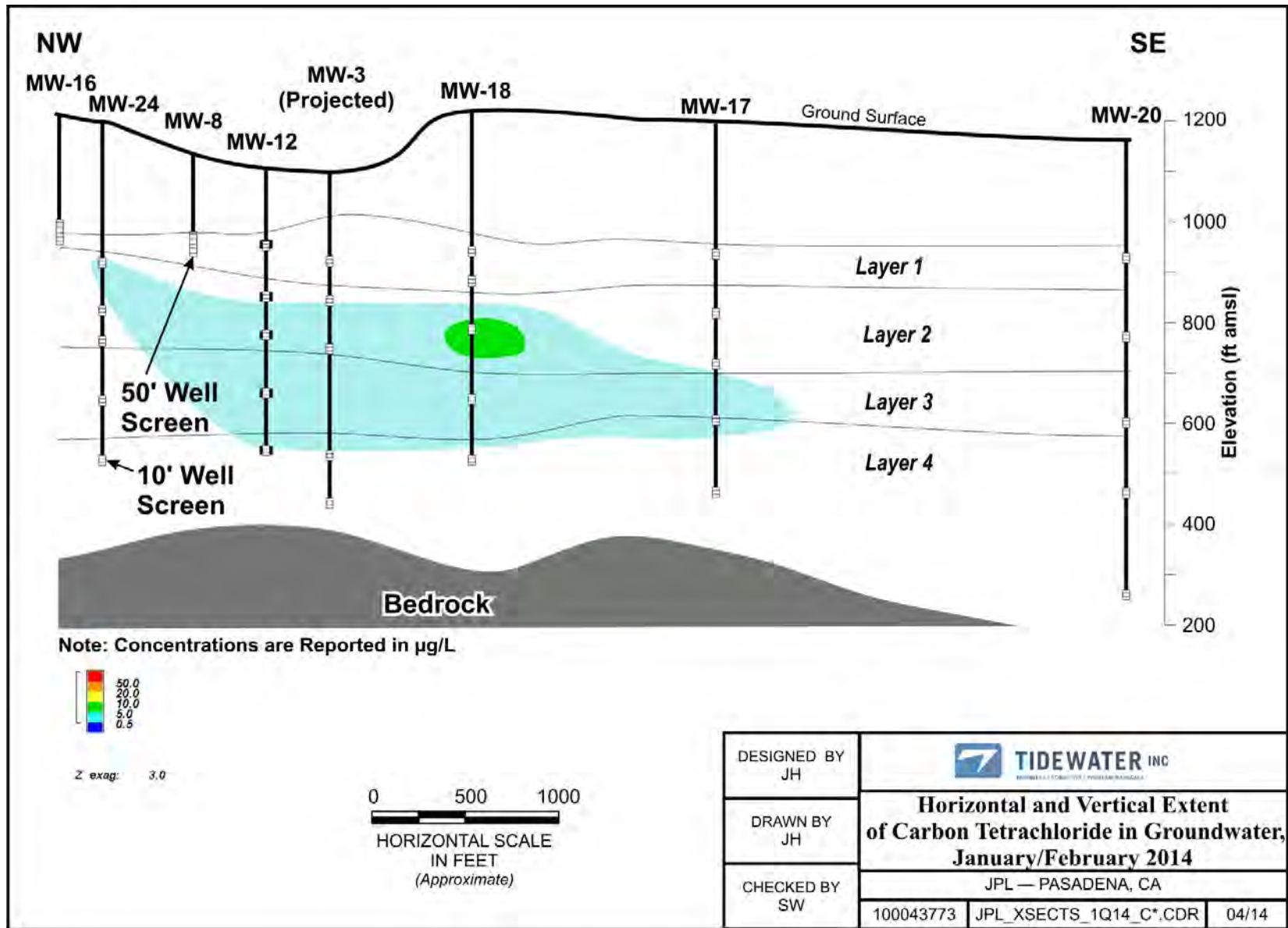


Figure 3.



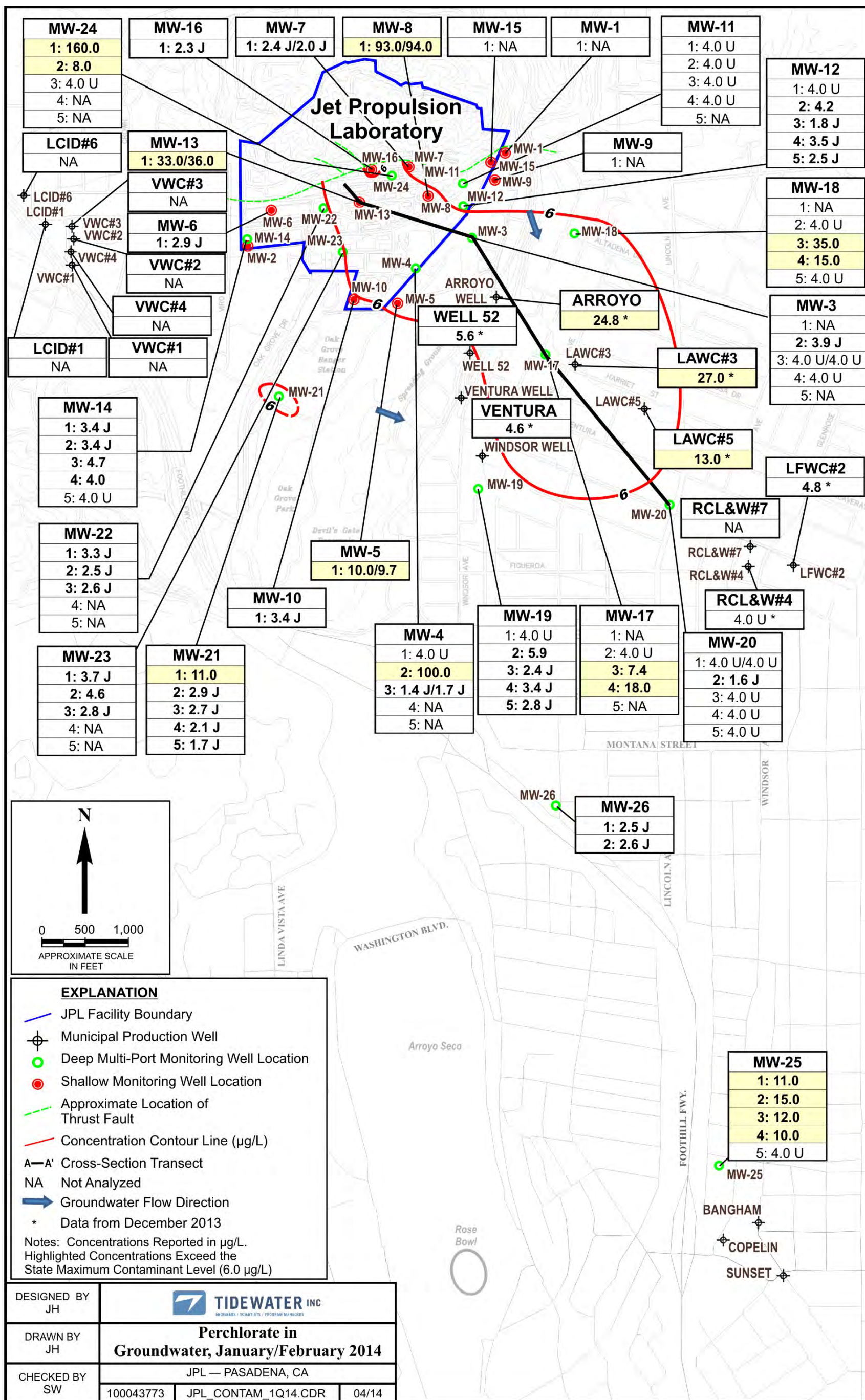


Figure 4.



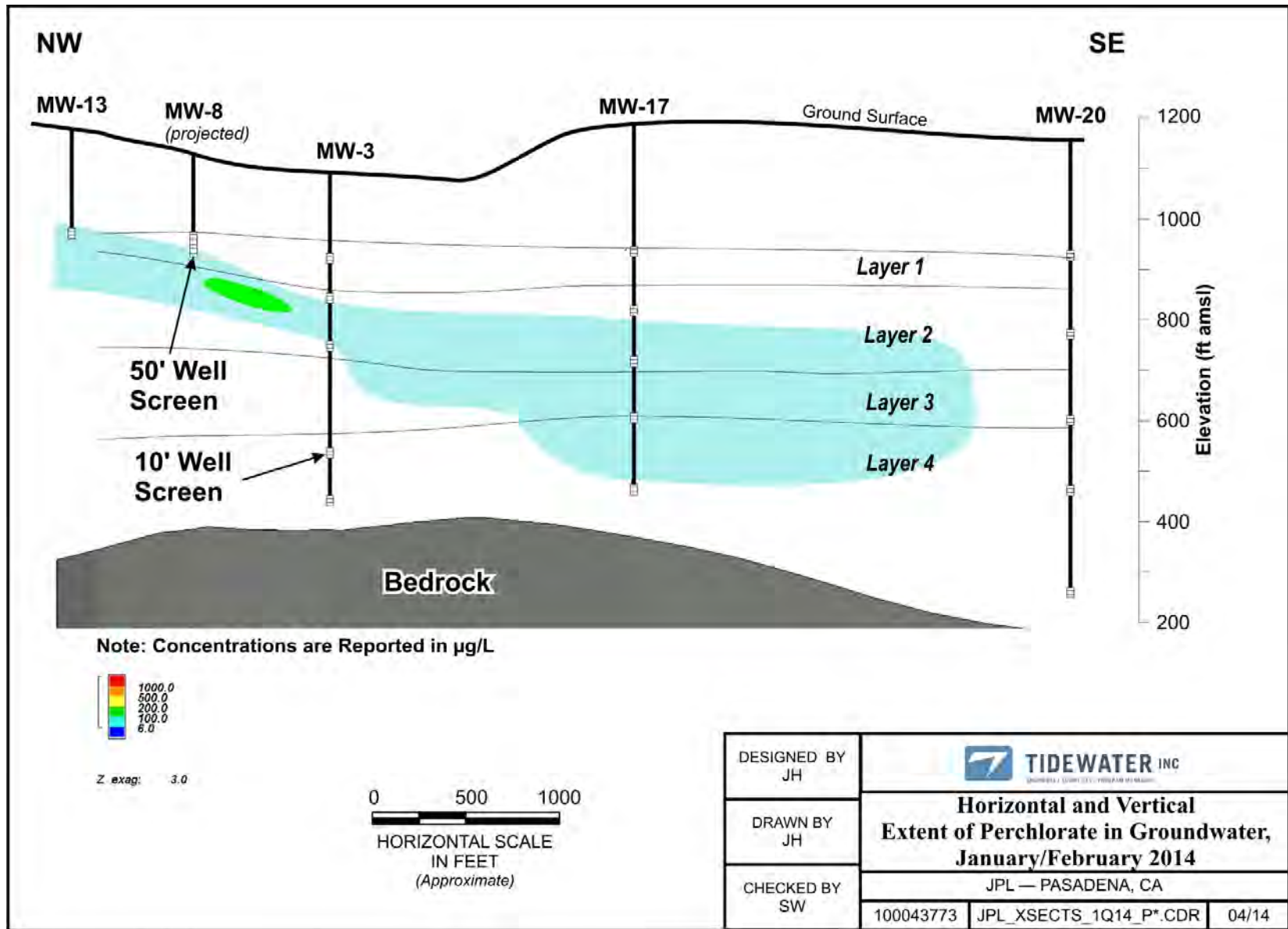


Figure 5.

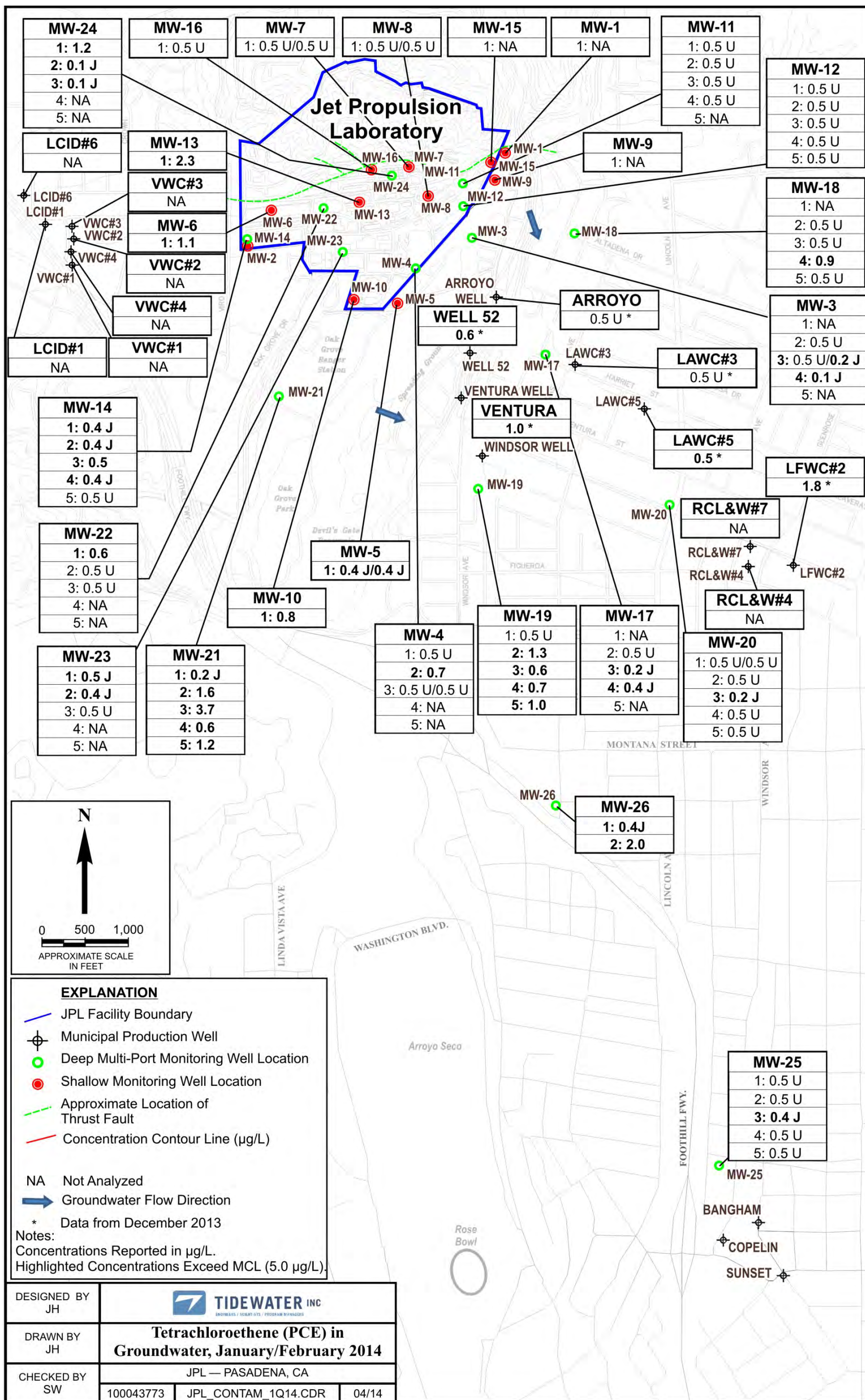


Figure 6.



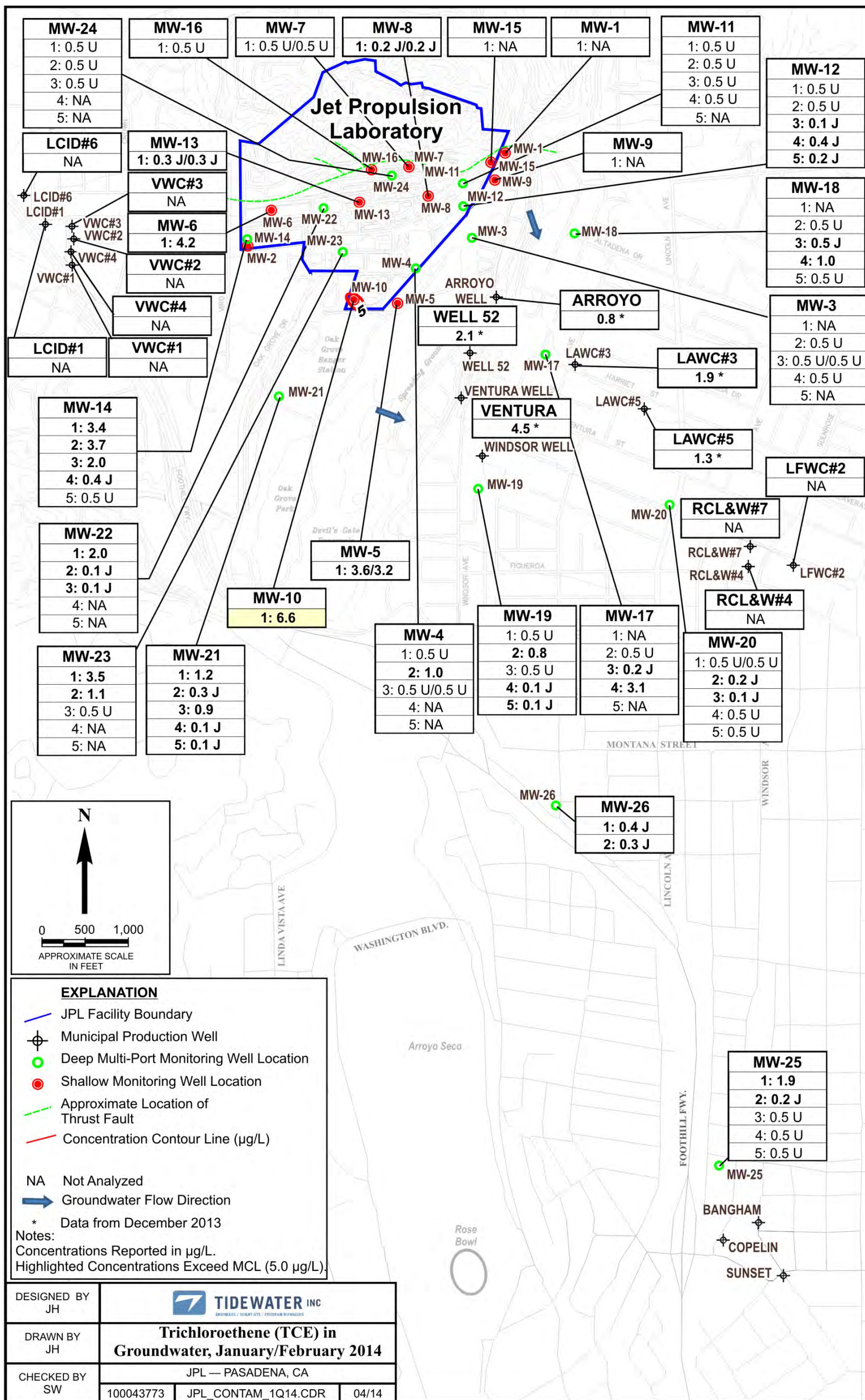


Figure 7.



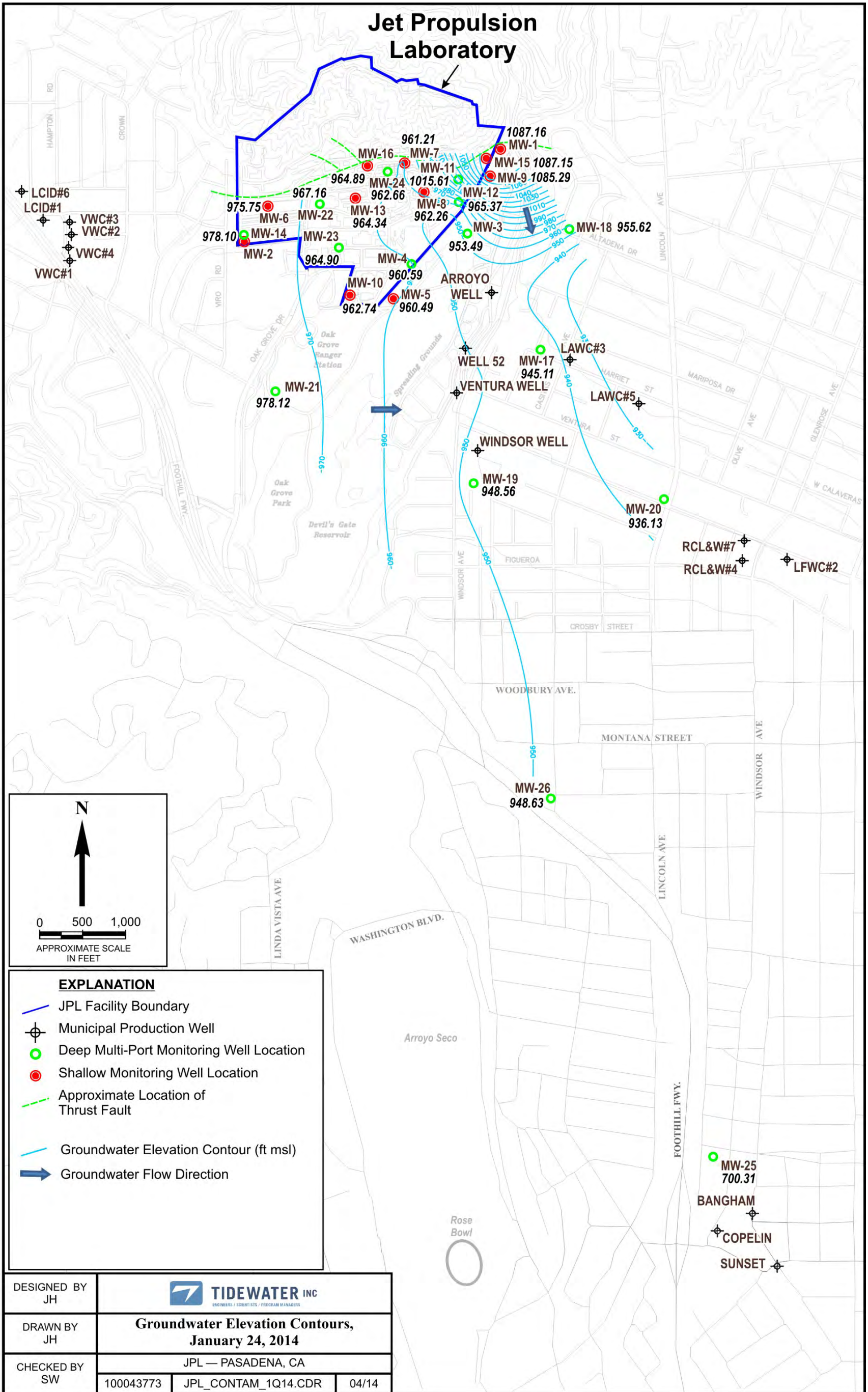


Figure 8.



## 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	Apr/May 2013	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	4.0 U		
MW-1	Apr/May 2013	DUP-8-2Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-1	Oct/Nov 2013	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	4.0 U		
MW-3 Screen 1	Apr/May 2013	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	4.0 U		
MW-3 Screen 1	Oct/Nov 2013	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	4.0 U		
MW-3 Screen 2	Apr/May 2013	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 2	Jul 2013	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 2	Jul 2013	DUPE-5-3Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 2	Oct/Nov 2013	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 2	Jan/Feb 2014	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.9 J		
MW-3 Screen 3	Apr/May 2013	MW-3-3	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 3	Jul 2013	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	4.0 U		
MW-3 Screen 3	Oct/Nov 2013	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	0.9 U		
MW-3 Screen 3	Jan/Feb 2014	MW-3-3	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 3	Jan/Feb 2014	DUPE-3-1Q14	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 4	Apr/May 2013	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	4.0 U		
MW-3 Screen 4	Jul 2013	MW-3-4	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 4	Oct/Nov 2013	MW-3-4	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0 J		
MW-3 Screen 4	Jan/Feb 2014	MW-3-4	0.5 U	0.5 U	0.1 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 5	Apr/May 2013	MW-3-5	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 5	Oct/Nov 2013	MW-3-5	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4 Screen 1	Apr/May 2013	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	4.0 U		
MW-4 Screen 1	Jul 2013	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	4.0 U		
MW-4 Screen 1	Oct/Nov 2013	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	4.0 U		
MW-4 Screen 1	Jan/Feb 2014	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	4.0 U		
MW-4 Screen 2	Apr/May 2013	MW-4-2	0.5 U	0.2 J	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	2.1	220.0	Bromodichloromethane Dibromochloromethane	1.7 1.0
MW-4 Screen 2	Jul 2013	MW-4-2	0.2 J	1.1	1.7	0.5 J	0.5 U	0.2 J	0.5 U	3.8	250.0	Bromodichloromethane Dibromochloromethane	2.2 1.1
MW-4 Screen 2	Oct/Nov 2013	MW-4-2	0.5 U	0.6	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	1.7	210.0	Bromodichloromethane Dibromochloromethane	1.2 0.6
MW-4 Screen 2	Jan/Feb 2014	MW-4-2	0.5 U	1.0	0.7	0.3 J	0.5 U	0.5 U	0.5 U	1.2	100.0	Bromodichloromethane Dibromochloromethane	0.7 0.4 J
MW-4 Screen 3	Apr/May 2013	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	4.0 U		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-4 Screen 3	Jul 2013	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	4.0 U		
MW-4 Screen 3	Oct/Nov 2013	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	2.2 J		
MW-4 Screen 3	Jan/Feb 2014	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	1.4 J		
MW-4 Screen 3	Jan/Feb 2014	DUP-1-1Q14	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-4 Screen 4	Apr/May 2013	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	4.0 U		
MW-4 Screen 4	Oct/Nov 2013	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	4.0 U		
MW-4 Screen 5	Apr/May 2013	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	4.0 U		
MW-4 Screen 5	Oct/Nov 2013	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	4.0 U	Styrene	0.1 J
MW-5	Apr/May 2013	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	4.0 U		
MW-5	Jul 2013	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	4.0 U		
MW-5	Oct/Nov 2013	MW-5	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	1.5 J		
MW-5	Jan/Feb 2014	MW-5	0.5 U	3.6	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0	10.0		
MW-5	Jan/Feb 2014	DUPE-6-1Q14	0.5 U	3.2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.8	9.7		
MW-6	Apr/May 2013	MW-6	0.5 U	4.1	1.2	0.3 J	0.5 U	0.3 J	0.5 U	0.7	3.2 J	cis-1,2-Dichloroethene	0.1 J
												trans-1,2-Dichloroethene	0.2 J
MW-6	Apr/May 2013	DUP-7-2Q13	0.5 U	4.0	1.2	0.3 J	0.5 U	0.3 J	0.5 U	0.8	3.5 J	cis-1,2-Dichloroethene	0.1 J
												trans-1,2-Dichloroethene	0.2 J
MW-6	Jul 2013	MW-6	0.5 U	4.4	1.3	0.3 J	0.5 U	0.3 J	0.5 U	0.8	3.5 J	trans-1,2-Dichloroethene	0.2 J
MW-6	Oct/Nov 2013	MW-6	0.5 U	4.3	1.3	0.3 J	0.5 U	0.3 J	0.5 U	0.8	3.3 J	trans-1,2-Dichloroethene	0.3 J
MW-6	Jan/Feb 2014	MW-6	0.5 U	4.2	1.1	0.3 J	0.5 U	0.2 J	0.5 U	0.8	2.9 J	cis-1,2-Dichloroethene	0.1 J
MW-7	Apr/May 2013	MW-7	1.0	0.1 J	1.9	0.5 U	0.5 U	0.2 J	0.5 U	9.5	260.0	Bromodichloromethane	2.9
MW-7	Apr/May 2013	DUP-6-2Q13	1.0	0.1 J	1.9	0.5 U	0.5 U	0.2 J	0.5 U	9.8	260.0	Bromodichloromethane	3.0
MW-7	Jul 2013	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.4	4.0	Bromodichloromethane	0.9
MW-7	Oct/Nov 2013	MW-7	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	8.7	6.1	Bromodichloromethane	1.9
												Dibromochloromethane	0.7
MW-7	Jan/Feb 2014	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	11.0	2.4 J	Bromodichloromethane	0.4 J
MW-7	Jan/Feb 2014	DUPE-5-1Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	11.0	2.0 J	Bromodichloromethane	0.4 J
MW-8	Apr/May 2013	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	4.0 U	Trichlorofluoromethane	0.6
MW-8	Jul 2013	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	4.0 U	Trichlorofluoromethane	0.7
MW-8	Oct/Nov 2013	MW-8	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	71.0	Bromodichloromethane	0.9
												Dibromochloromethane	0.5
												Trichlorofluoromethane	0.3 J
MW-8	Oct/Nov 2013	DUPE-5-4Q13	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	71.0	Bromodichloromethane	0.9
												Dibromochloromethane	0.6
												Trichlorofluoromethane	0.3 J
MW-8	Jan/Feb 2014	MW-8	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.1	93.0	Bromodichloromethane	2.6
												Dibromochloromethane	0.6
												Trichlorofluoromethane	0.2 J

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-8	Jan/Feb 2014	DUPE-7-1Q14	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.3	94.0	Bromodichloromethane	2.7
												Dibromochloromethane	0.6
												Trichlorofluoromethane	0.1 J
MW-9	Apr/May 2013	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	4.0 U		
MW-10	Apr/May 2013	MW-10	0.5 U	7.4	0.8	0.2 J	0.5 U	0.5 U	0.5 U	1.1	8.2	cis-1,2-Dichloroethene	0.1 J
MW-10	Jul 2013	MW-10	0.5 U	9.8	1.0	0.2 J	0.5 U	0.5 U	0.5 U	1.2	9.0	cis-1,2-Dichloroethene	0.1 J
												trans-1,2-Dichloroethene	0.3 J
MW-10	Oct/Nov 2013	MW-10	0.5 U	8.0	0.9	0.2 J	0.5 U	0.5 U	0.5 U	0.9	6.4	cis-1,2-Dichloroethene	0.2 J
												trans-1,2-Dichloroethene	0.2 J
MW-10	Oct/Nov 2013	DUPE-8-4Q13	0.5 U	8.1	0.9	0.2 J	0.5 U	0.5 U	0.5 U	0.9	6.4	cis-1,2-Dichloroethene	0.2 J
												trans-1,2-Dichloroethene	0.3 J
MW-10	Jan/Feb 2014	MW-10	0.5 U	6.6	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.7	3.4 J	cis-1,2-Dichloroethene	0.2 J
MW-11 Screen 1	Apr/May 2013	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	4.0 U		
MW-11 Screen 1	Apr/May 2013	DUP-5-2Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-11 Screen 1	Jul 2013	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	4.0 U		
MW-11 Screen 1	Oct/Nov 2013	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	4.0 U	Styrene	0.1 J
MW-11 Screen 1	Jan/Feb 2014	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	4.0 U	Styrene	0.1 J
MW-11 Screen 2	Apr/May 2013	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	4.0 U		
MW-11 Screen 2	Jul 2013	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	4.0 U		
MW-11 Screen 2	Jul 2013	DUPE-6-3Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-11 Screen 2	Oct/Nov 2013	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	4.0 U		
MW-11 Screen 2	Jan/Feb 2014	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	4.0 U		
MW-11 Screen 3	Apr/May 2013	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	4.0 U	Styrene	0.1 J
MW-11 Screen 3	Jul 2013	MW-11-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U	Styrene	0.1 J
MW-11 Screen 3	Oct/Nov 2013	MW-11-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.1 J
MW-11 Screen 3	Jan/Feb 2014	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	4.0 U	Styrene	0.2 J
MW-11 Screen 4	Apr/May 2013	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	4.0 U	Styrene	0.2 J
MW-11 Screen 4	Jul 2013	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	4.0 U	Styrene	0.2 J
MW-11 Screen 4	Oct/Nov 2013	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	4.0 U	Styrene	0.2 J
MW-11 Screen 4	Jan/Feb 2014	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	4.0 U	Styrene	0.2 J
MW-11 Screen 5	Apr/May 2013	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	4.0 U	Styrene	0.2 J
MW-11 Screen 5	Oct/Nov 2013	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	4.0 U	Styrene	0.2 J
MW-12 Screen 1	Apr/May 2013	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	4.0 U		
MW-12 Screen 1	Jul 2013	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	4.0 U		
MW-12 Screen 1	Oct/Nov 2013	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	4.0 U	Trichlorofluoromethane	0.2 J
MW-12 Screen 1	Jan/Feb 2014	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	4.0 U	Trichlorofluoromethane	0.3 J
MW-12 Screen 2	Apr/May 2013	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	8.5		
MW-12 Screen 2	Apr/May 2013	DUP-4-2Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.7	Trichlorofluoromethane	0.2 J
MW-12 Screen 2	Jul 2013	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	7.2	Styrene	0.1 J
MW-12 Screen 2	Oct/Nov 2013	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.6		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-12 Screen 2	Jan/Feb 2014	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	4.2		
MW-12 Screen 3	Apr/May 2013	MW-12-3	0.5	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	4.0 U		
MW-12 Screen 3	Jul 2013	MW-12-3	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0	4.0 U	Styrene	0.1 J
MW-12 Screen 3	Oct/Nov 2013	MW-12-3	0.4 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.5		
MW-12 Screen 3	Jan/Feb 2014	MW-12-3	0.5 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	1.8 J	Styrene	0.1 J
MW-12 Screen 4	Apr/May 2013	MW-12-4	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.6 J		
MW-12 Screen 4	Jul 2013	MW-12-4	0.8	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	3.2 J		
MW-12 Screen 4	Oct/Nov 2013	MW-12-4	0.5	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.3 J		
MW-12 Screen 4	Jan/Feb 2014	MW-12-4	0.9	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	3.5 J	Styrene	0.1 J
MW-12 Screen 5	Apr/May 2013	MW-12-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1.9 J		
MW-12 Screen 5	Jul 2013	MW-12-5	0.4 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.1 J		
MW-12 Screen 5	Oct/Nov 2013	MW-12-5	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.3 J		
MW-12 Screen 5	Jan/Feb 2014	MW-12-5	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.5 J	Styrene	0.1 J
MW-13	Apr/May 2013	MW-13	0.3 J	0.2 J	0.6	0.2 J	0.5 U	0.3 J	0.5 U	5.5	690.0	1,4-Dioxane	2.2
												Bromodichloromethane	0.3 J
MW-13	Jul 2013	MW-13	0.6	0.2 J	0.9	0.2 J	0.5 U	0.5 J	0.5 U	7.3	1200.0	Bromodichloromethane	0.2 J
MW-13	Oct/Nov 2013	MW-13	0.5 U	0.2 J	1.6	0.4 J	0.5 U	0.2 J	0.5 U	2.5	520.0		
MW-13	Jan/Feb 2014	MW-13	0.5 U	0.3 J	2.3	0.6	0.5 U	0.5 U	0.5 U	0.7	33.0	Methyl-tert-butyl ether (MTBE)	0.1 J
MW-13	Jan/Feb 2014	DUPE-4-1Q14	0.5 U	0.3 J	2.3	0.5	0.5 U	0.5 U	0.5 U	0.7	36.0	Methyl-tert-butyl ether (MTBE)	0.1 J
MW-14 Screen 1	Apr/May 2013	MW-14-1	0.5 U	2.0	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0 U	cis-1,2-Dichloroethene	0.1 J
												Methyl-tert-butyl ether (MTBE)	0.6
MW-14 Screen 1	Jul 2013	MW-14-1	0.5 U	2.1	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.1 J	Methyl-tert-butyl ether (MTBE)	0.5 J
MW-14 Screen 1	Oct/Nov 2013	MW-14-1	0.5 U	1.6	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0	cis-1,2-Dichloroethene	0.1 J
												Methyl-tert-butyl ether (MTBE)	0.4 J
MW-14 Screen 1	Oct/Nov 2013	DUPE-2-4Q13	0.5 U	1.3	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.7 J	Methyl-tert-butyl ether (MTBE)	0.4 J
MW-14 Screen 1	Jan/Feb 2014	MW-14-1	0.5 U	3.4	0.4 J	0.1 J	0.5 U	0.5 U	0.5 U	0.8	3.4 J	cis-1,2-Dichloroethene	0.2 J
												Methyl-tert-butyl ether (MTBE)	0.3 J
MW-14 Screen 2	Apr/May 2013	MW-14-2	0.5 U	4.6	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5	4.1	cis-1,2-Dichloroethene	0.2 J
												trans-1,2-Dichloroethene	0.2 J
MW-14 Screen 2	Jul 2013	MW-14-2	0.5 U	5.4	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.6	1.9 J	cis-1,2-Dichloroethene	0.2 J
												trans-1,2-Dichloroethene	0.3 J
MW-14 Screen 2	Jul 2013	DUPE-2-3Q13	0.5 U	6.1	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.6	3.2 J	cis-1,2-Dichloroethene	0.3 J
												trans-1,2-Dichloroethene	0.3 J
MW-14 Screen 2	Oct/Nov 2013	MW-14-2	0.5 U	4.0	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 J	4.0 U	cis-1,2-Dichloroethene	0.3 J
												trans-1,2-Dichloroethene	0.2 J
MW-14 Screen 2	Jan/Feb 2014	MW-14-2	0.5 U	3.7	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5	3.4 J	cis-1,2-Dichloroethene	0.3 J
MW-14 Screen 3	Apr/May 2013	MW-14-3	0.5 U	1.5	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 J	4.8	cis-1,2-Dichloroethene	0.1 J
MW-14 Screen 3	Jul 2013	MW-14-3	0.5 U	2.4	0.7	0.3 J	0.5 U	0.5 U	0.5 U	0.6	5.3	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 3	Oct/Nov 2013	MW-14-3	0.5 U	2.0	0.5 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5	5.7	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 3	Jan/Feb 2014	MW-14-3	0.5 U	2.0	0.5	0.3 J	0.5 U	0.5 U	0.5 U	0.6	4.7	cis-1,2-Dichloroethene	0.2 J

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-14 Screen 4	Apr/May 2013	MW-14-4	0.5 U	0.3 J	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 4	Apr/May 2013	DUP-2-2Q13	0.5 U	0.3 J	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.3 J	3.0 J	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 4	Jul 2013	MW-14-4	0.5 U	0.2 J	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.2 J	3.7 J	cis-1,2-Dichloroethene	0.1 J
MW-14 Screen 4	Oct/Nov 2013	MW-14-4	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	5.3	cis-1,2-Dichloroethene	0.1 J
MW-14 Screen 4	Jan/Feb 2014	MW-14-4	0.5 U	0.4 J	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.3 J	4.0	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 5	Apr/May 2013	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	4.0 U		
MW-14 Screen 5	Jul 2013	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U		
MW-14 Screen 5	Oct/Nov 2013	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	4.0 U		
MW-14 Screen 5	Jan/Feb 2014	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U		
MW-15	Apr/May 2013	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	4.0 U		
MW-15	Oct/Nov 2013	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	4.0 U		
MW-15	Oct/Nov 2013	DUPE-6-4Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-16	Apr/May 2013	MW-16	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.0	4.0 U	Bromodichloromethane	9.6
												Bromoform	4.8
												Dibromochloromethane	8.7
MW-16	Jul 2013	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	7.9	2.0 J	Bromodichloromethane	12.0
												Bromoform	4.0
												Dibromochloromethane	11.0
MW-16	Oct/Nov 2013	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	4.0 U	Bromodichloromethane	7.3
												Bromoform	2.2
												Dibromochloromethane	6.4
MW-16	Oct/Nov 2013	DUPE-7-4Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.6	4.0 U	Bromodichloromethane	8.1
												Bromoform	2.0
												Dibromochloromethane	6.7
MW-16	Jan/Feb 2014	MW-16	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.3	2.3 J	Bromodichloromethane	9.8
												Bromoform	6.8
												Dibromochloromethane	9.0
MW-17 Screen 1	Apr/May 2013	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	4.0 U		
MW-17 Screen 1	Oct/Nov 2013	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	4.0 U		
MW-17 Screen 2	Apr/May 2013	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.6 J		
MW-17 Screen 2	Jul 2013	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-17 Screen 2	Oct/Nov 2013	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-17 Screen 2	Jan/Feb 2014	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.1 J
MW-17 Screen 3	Apr/May 2013	MW-17-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	6.3		
MW-17 Screen 3	Jul 2013	MW-17-3	0.3 J	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	7.6		
MW-17 Screen 3	Oct/Nov 2013	MW-17-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	7.1		
MW-17 Screen 3	Jan/Feb 2014	MW-17-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	7.4		
MW-17 Screen 4	Apr/May 2013	MW-17-4	0.3 J	0.9	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	8.2		
MW-17 Screen 4	Jul 2013	MW-17-4	0.5 U	1.0	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1.8 J	Styrene	0.1 J
MW-17 Screen 4	Oct/Nov 2013	MW-17-4	0.6	2.0	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	15.0		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP
MW-17 Screen 4	Jan/Feb 2014	MW-17-4	0.8	3.1	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.8	18.0	
MW-17 Screen 5	Apr/May 2013	MW-17-5	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.7 J	
MW-17 Screen 5	Oct/Nov 2013	MW-17-5	0.4 J	2.0	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.7	9.9	
MW-18 Screen 1	Apr/May 2013	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	4.0 U	
MW-18 Screen 2	Apr/May 2013	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	4.0 U	
MW-18 Screen 2	Jul 2013	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	4.0 U	
MW-18 Screen 2	Oct/Nov 2013	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	4.0 U	
MW-18 Screen 2	Jan/Feb 2014	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	4.0 U	
MW-18 Screen 3	Apr/May 2013	MW-18-3	7.3	0.7	0.2 J	0.5 U	0.5 U	0.5 U	0.2 J	1.5	36.0	
MW-18 Screen 3	Jul 2013	MW-18-3	10.0	0.7	0.2 J	0.5 U	0.5 U	0.5 U	0.3 J	1.5	44.0	
MW-18 Screen 3	Oct/Nov 2013	MW-18-3	16.0	1.6	0.3 J	0.5 U	0.5 U	0.5 U	0.3 J	2.2	44.0	
MW-18 Screen 3	Jan/Feb 2014	MW-18-3	5.2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	35.0	
MW-18 Screen 4	Apr/May 2013	MW-18-4	1.0	0.6	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.6	12.0	
MW-18 Screen 4	Jul 2013	MW-18-4	2.1	0.9	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.7	13.0	
MW-18 Screen 4	Jul 2013	DUPE-3-3Q13	1.5	0.6	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.6	13.0	
MW-18 Screen 4	Oct/Nov 2013	MW-18-4	1.9	0.9	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.7	15.0	
MW-18 Screen 4	Jan/Feb 2014	MW-18-4	1.8	1.0	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.7	15.0	
MW-18 Screen 5	Apr/May 2013	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	4.0 U	Styrene 0.1 J
MW-18 Screen 5	Jul 2013	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	4.0 U	Styrene 0.1 J
MW-18 Screen 5	Oct/Nov 2013	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	4.0 U	Styrene 0.1 J
MW-18 Screen 5	Jan/Feb 2014	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	4.0 U	
MW-19 Screen 1	Apr/May 2013	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	Jul 2013	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	Oct/Nov 2013	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	Jan/Feb 2014	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 2	Apr/May 2013	MW-19-2	0.5 U	0.7	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.6	4.2	Bromodichloromethane 0.2 J cis-1,2-Dichloroethene 0.2 J
MW-19 Screen 2	Jul 2013	MW-19-2	0.5 U	0.9	1.2	0.3 J	0.5 U	0.5 U	0.5 U	0.9	6.1	Bromodichloromethane 0.4 J cis-1,2-Dichloroethene 0.3 J
MW-19 Screen 2	Oct/Nov 2013	MW-19-2	0.5 U	0.5 J	0.7	0.2 J	0.5 U	0.5 U	0.5 U	0.6	6.1	Bromodichloromethane 0.2 J cis-1,2-Dichloroethene 0.2 J
MW-19 Screen 2	Jan/Feb 2014	MW-19-2	0.5 U	0.8	1.3	0.3 J	0.5 U	0.5 U	0.5 U	0.9	5.9	Bromodichloromethane 0.4 J cis-1,2-Dichloroethene 0.3 J
MW-19 Screen 3	Apr/May 2013	MW-19-3	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U	
MW-19 Screen 3	Jul 2013	MW-19-3	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.8 J	
MW-19 Screen 3	Oct/Nov 2013	MW-19-3	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	3.4 J	
MW-19 Screen 3	Jan/Feb 2014	MW-19-3	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.4 J	
MW-19 Screen 4	Apr/May 2013	MW-19-4	0.5 U	0.1 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.9 J	
MW-19 Screen 4	Jul 2013	MW-19-4	0.5 U	0.1 J	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.2 J	
MW-19 Screen 4	Oct/Nov 2013	MW-19-4	0.5 U	0.1 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.9 J	

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-19 Screen 4	Jan/Feb 2014	MW-19-4	0.5 U	0.1 J	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.4 J		
MW-19 Screen 5	Apr/May 2013	MW-19-5	0.5 U	0.2 J	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	Carbon disulfide	0.4 J
MW-19 Screen 5	Jul 2013	MW-19-5	0.5 U	0.2 J	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.1 J	Styrene	0.1 J
MW-19 Screen 5	Jul 2013	DUP-1-3Q13	0.5 U	0.1 J	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.0 J		
MW-19 Screen 5	Oct/Nov 2013	MW-19-5	0.5 U	0.1 J	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.8 J		
MW-19 Screen 5	Jan/Feb 2014	MW-19-5	0.5 U	0.1 J	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.8 J		
MW-20 Screen 1	Apr/May 2013	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U	Bromodichloromethane	0.2 J
MW-20 Screen 1	Jul 2013	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1.2 J	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-20 Screen 1	Oct/Nov 2013	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-20 Screen 1	Oct/Nov 2013	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U	Carbon disulfide	0.4 J
MW-20 Screen 1	Jan/Feb 2014	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U		
MW-20 Screen 1	Jan/Feb 2014	DUPE-2-1Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	4.0 U		
MW-20 Screen 2	Apr/May 2013	MW-20-2	0.5 U	0.7	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.9 J	Carbon disulfide	0.4 J
MW-20 Screen 2	Jul 2013	MW-20-2	0.5 U	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1.9 J		
MW-20 Screen 2	Oct/Nov 2013	MW-20-2	0.5 U	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.3 J		
MW-20 Screen 2	Jan/Feb 2014	MW-20-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1.6 J	Styrene	0.1 J
MW-20 Screen 3	Apr/May 2013	MW-20-3	0.5 U	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Acrylonitrile	2.5 J
MW-20 Screen 3	Apr/May 2013	MW-20-3	0.5 U	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.6 J
MW-20 Screen 3	Apr/May 2013	DUP-1-2Q13	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene	0.1 J
MW-20 Screen 3	Apr/May 2013	DUP-1-2Q13	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.4 J
MW-20 Screen 3	Apr/May 2013	DUP-1-2Q13	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Toluene	0.1 J
MW-20 Screen 3	Jul 2013	MW-20-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Acrylonitrile	2.9 J
MW-20 Screen 3	Jul 2013	MW-20-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene	0.2 J
MW-20 Screen 3	Jul 2013	MW-20-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.4 J
MW-20 Screen 3	Jul 2013	MW-20-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Toluene	0.1 J
MW-20 Screen 3	Oct/Nov 2013	MW-20-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Acrylonitrile	2.6 J
MW-20 Screen 3	Oct/Nov 2013	MW-20-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.8 J
MW-20 Screen 3	Oct/Nov 2013	MW-20-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene	0.1 J
MW-20 Screen 3	Oct/Nov 2013	MW-20-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.4 J
MW-20 Screen 3	Oct/Nov 2013	MW-20-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Toluene	0.1 J
MW-20 Screen 3	Jan/Feb 2014	MW-20-3	0.5 U	0.1 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Acrylonitrile	2.6 J
MW-20 Screen 3	Jan/Feb 2014	MW-20-3	0.5 U	0.1 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene	0.2 J
MW-20 Screen 3	Jan/Feb 2014	MW-20-3	0.5 U	0.1 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.4 J
MW-20 Screen 3	Jan/Feb 2014	MW-20-3	0.5 U	0.1 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Toluene	0.1 J
MW-20 Screen 4	Apr/May 2013	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	4.0 U	Carbon disulfide	0.6 J



Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-20 Screen 4	Jul 2013	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	4.0 U		
MW-20 Screen 4	Oct/Nov 2013	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	4.0 U	Carbon disulfide	0.5 J
MW-20 Screen 4	Oct/Nov 2013	DUPE-1-4Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.8 J
MW-20 Screen 4	Jan/Feb 2014	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	4.0 U	Styrene	0.1 J
MW-20 Screen 5	Apr/May 2013	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.5 J
MW-20 Screen 5	Jul 2013	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.2 J
MW-20 Screen 5	Oct/Nov 2013	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.8 J
MW-20 Screen 5	Jan/Feb 2014	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.3 J
MW-21 Screen 1	Apr/May 2013	MW-21-1	0.5 U	0.1 J	0.5	0.5 U	0.5 U	0.5 U	0.5 U	2.0	3.4 J		
MW-21 Screen 1	Jul 2013	MW-21-1	0.5 U	0.2 J	0.9	0.5 U	0.5 U	0.5 U	0.5 U	2.1	3.1 J		
MW-21 Screen 1	Oct/Nov 2013	MW-21-1	0.5 U	0.9	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.4	9.3		
MW-21 Screen 1	Jan/Feb 2014	MW-21-1	0.5 U	1.2	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.1	11.0		
MW-21 Screen 2	Apr/May 2013	MW-21-2	0.5 U	0.2 J	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.7	2.5 J	cis-1,2-Dichloroethene	0.2 J
MW-21 Screen 2	Jul 2013	MW-21-2	0.5 U	0.4 J	2.3	0.5 U	0.5 U	0.5 U	0.5 U	0.6	2.7 J	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21 Screen 2	Oct/Nov 2013	MW-21-2	0.5 U	0.3 J	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.5 J	cis-1,2-Dichloroethene	0.2 J
MW-21 Screen 2	Jan/Feb 2014	MW-21-2	0.5 U	0.3 J	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.9 J	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21 Screen 3	Apr/May 2013	MW-21-3	0.5 U	0.7	4.1	0.1 J	0.5 U	0.5 U	0.5 U	2.4	3.4 J	cis-1,2-Dichloroethene	0.9
MW-21 Screen 3	Jul 2013	MW-21-3	0.5 U	1.9	12.0	0.3 J	0.5 U	0.5 U	0.5 U	3.1	2.9 J	Methyl-tert-butyl ether (MTBE)	0.3 J
MW-21 Screen 3	Oct/Nov 2013	MW-21-3	0.5 U	0.9	3.6	0.2 J	0.5 U	0.5 U	0.5 U	1.4	3.5 J	cis-1,2-Dichloroethene	0.7
MW-21 Screen 3	Jan/Feb 2014	MW-21-3	0.5 U	0.9	3.7	0.2 J	0.5 U	0.5 U	0.5 U	1.3	2.7 J	Methyl-tert-butyl ether (MTBE)	0.3 J
MW-21 Screen 4	Apr/May 2013	MW-21-4	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	5.2	2.4 J		
MW-21 Screen 4	Jul 2013	MW-21-4	0.5 U	0.2 J	1.1	0.5 U	0.5 U	0.5 U	0.5 U	9.2	2.0 J	cis-1,2-Dichloroethene	0.2 J
MW-21 Screen 4	Jul 2013	DUPE-7-3Q13	0.5 U	0.1 J	1.1	0.5 U	0.5 U	0.5 U	0.5 U	9.9	2.2 J	cis-1,2-Dichloroethene	0.2 J
MW-21 Screen 4	Oct/Nov 2013	MW-21-4	0.5 U	0.1 J	0.8	0.5 U	0.5 U	0.5 U	0.5 U	8.8	2.1 J	cis-1,2-Dichloroethene	0.2 J
MW-21 Screen 4	Jan/Feb 2014	MW-21-4	0.5 U	0.1 J	0.6	0.5 U	0.5 U	0.5 U	0.5 U	5.3	2.1 J	cis-1,2-Dichloroethene	0.1 J
MW-21 Screen 5	Apr/May 2013	MW-21-5	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	5.0	2.4 J		
MW-21 Screen 5	Jul 2013	MW-21-5	0.5 U	0.1 J	0.9	0.5 U	0.5 U	0.5 U	0.5 U	6.0	2.1 J	cis-1,2-Dichloroethene	0.1 J
MW-21 Screen 5	Oct/Nov 2013	MW-21-5	0.5 U	0.1 J	0.8	0.5 U	0.5 U	0.5 U	0.5 U	5.8	3.0 J		
MW-21 Screen 5	Jan/Feb 2014	MW-21-5	0.5 U	0.1 J	1.2	0.1 J	0.5 U	0.5 U	0.5 U	7.9	1.7 J	cis-1,2-Dichloroethene	0.2 J
MW-22 Screen 1	Apr/May 2013	MW-22-1	0.5 U	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.5 J		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP
MW-22 Screen 1	Jul 2013	MW-22-1	0.5 U	1.5	0.6	0.1 J	0.5 U	0.5 U	0.5 U	0.5 J	3.0 J	
MW-22 Screen 1	Oct/Nov 2013	MW-22-1	0.5 U	1.0	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.7 J	
MW-22 Screen 1	Jan/Feb 2014	MW-22-1	0.5 U	2.0	0.6	0.1 J	0.5 U	0.5 U	0.5 U	0.5	3.3 J	
MW-22 Screen 2	Apr/May 2013	MW-22-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1.7 J	
MW-22 Screen 2	Jul 2013	MW-22-2	0.5 U	0.2 J	0.2 J	0.1 J	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U	
MW-22 Screen 2	Oct/Nov 2013	MW-22-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.5 J	
MW-22 Screen 2	Jan/Feb 2014	MW-22-2	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.5 J	
MW-22 Screen 3	Apr/May 2013	MW-22-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.3 J	
MW-22 Screen 3	Apr/May 2013	DUP-3-2Q13	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.6 J	
MW-22 Screen 3	Jul 2013	MW-22-3	0.5 U	0.1 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	3.6 J	
MW-22 Screen 3	Oct/Nov 2013	MW-22-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 J	
MW-22 Screen 3	Jan/Feb 2014	MW-22-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 J	
MW-22 Screen 4	Apr/May 2013	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	4.0 U	
MW-22 Screen 4	Oct/Nov 2013	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	4.0 U	
MW-22 Screen 5	Apr/May 2013	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	4.0 U	Carbon disulfide 0.6 J
MW-22 Screen 5	Oct/Nov 2013	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	4.0 U	Carbon disulfide 0.7 J
MW-23 Screen 1	Apr/May 2013	MW-23-1	0.5 U	2.8 J	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5	2.7 J	cis-1,2-Dichloroethene 0.1 J
MW-23 Screen 1	Jul 2013	MW-23-1	0.5 U	2.7	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.2 J	
MW-23 Screen 1	Oct/Nov 2013	MW-23-1	0.5 U	2.3	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.7	
MW-23 Screen 1	Jan/Feb 2014	MW-23-1	0.5 U	3.5	0.5 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5	3.7 J	
MW-23 Screen 2	Apr/May 2013	MW-23-2	0.5 U	0.9	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.6	3.4 J	
MW-23 Screen 2	Jul 2013	MW-23-2	0.5 U	1.1	0.5	0.2 J	0.5 U	0.5 U	0.5 U	0.6	4.0	
MW-23 Screen 2	Oct/Nov 2013	MW-23-2	0.5 U	0.8	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 J	4.1	
MW-23 Screen 2	Jan/Feb 2014	MW-23-2	0.5 U	1.1	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5	4.6	
MW-23 Screen 3	Apr/May 2013	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J	
MW-23 Screen 3	Jul 2013	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 J	
MW-23 Screen 3	Oct/Nov 2013	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	3.1 J	
MW-23 Screen 3	Jan/Feb 2014	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8 J	
MW-23 Screen 4	Apr/May 2013	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	4.0 U	
MW-23 Screen 4	Oct/Nov 2013	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	4.0 U	
MW-23 Screen 5	Apr/May 2013	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	4.0 U	Styrene 0.3 J
MW-23 Screen 5	Oct/Nov 2013	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	4.0 U	Carbon disulfide 0.5 J Ethylbenzene 0.1 J Styrene 0.4 J
MW-24 Screen 1	Apr/May 2013	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.3	4.0 U	Bromodichloromethane 0.9 Carbon disulfide 0.4 J
MW-24 Screen 1	Jul 2013	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.8	4.0 U	Bromodichloromethane 0.2 J
MW-24 Screen 1	Oct/Nov 2013	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.0 J	2.3 J	Bromodichloromethane 0.2 J
MW-24 Screen 1	Jan/Feb 2014	MW-24-1	0.7	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.2 J	7.6	160.0	Bromodichloromethane 1.0
MW-24 Screen 2	Apr/May 2013	MW-24-2	0.6	0.2 J	0.4 J	0.3 J	0.5 U	0.5 U	0.5 U	1.1	11.0	Bromodichloromethane 0.5

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-24 Screen 2	Jul 2013	MW-24-2	0.3 J	0.1 J	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.6	10.0	Bromodichloromethane	0.4 J
MW-24 Screen 2	Oct/Nov 2013	MW-24-2	0.4 J	0.2 J	0.3 J	0.3 J	0.5 U	0.5 U	0.5 U	1.1	9.7	Bromodichloromethane	0.8
MW-24 Screen 2	Jan/Feb 2014	MW-24-2	0.5 U	0.5 U	0.1 J	0.1 J	0.5 U	0.5 U	0.5 U	0.7	8.0	Bromodichloromethane	0.7
MW-24 Screen 3	Apr/May 2013	MW-24-3	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.6 J
MW-24 Screen 3	Jul 2013	MW-24-3	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.1 J
MW-24 Screen 3	Oct/Nov 2013	MW-24-3	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.4 J
MW-24 Screen 3	Jan/Feb 2014	MW-24-3	0.5 U	0.5 U	0.1 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-24 Screen 4	Apr/May 2013	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	4.0 U	Ethylbenzene Styrene	0.1 J 0.2 J
MW-24 Screen 4	Oct/Nov 2013	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	4.0 U	Ethylbenzene Styrene	0.2 J 0.2 J
MW-24 Screen 5	Apr/May 2013	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	4.0 U		
MW-24 Screen 5	Oct/Nov 2013	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	4.0 U		
MW-25 Screen 1	Apr/May 2013	MW-25-1	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	9.2	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-25 Screen 1	Jul 2013	MW-25-1	0.5 U	2.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	11.0	Methyl-tert-butyl ether (MTBE)	0.3 J
MW-25 Screen 1	Oct/Nov 2013	MW-25-1	0.5 U	2.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	11.0	Methyl-tert-butyl ether (MTBE)	0.3 J
MW-25 Screen 1	Jan/Feb 2014	MW-25-1	0.5 U	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	11.0	Methyl-tert-butyl ether (MTBE)	0.3 J
MW-25 Screen 2	Apr/May 2013	MW-25-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	14.0		
MW-25 Screen 2	Jul 2013	MW-25-2	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	16.0		
MW-25 Screen 2	Oct/Nov 2013	MW-25-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	15.0		
MW-25 Screen 2	Oct/Nov 2013	DUPE-4-4Q13	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	16.0		
MW-25 Screen 2	Jan/Feb 2014	MW-25-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	15.0		
MW-25 Screen 3	Apr/May 2013	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	8.4		
MW-25 Screen 3	Jul 2013	MW-25-3	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	11.0		
MW-25 Screen 3	Jul 2013	DUPE-4-3Q13	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	11.0		
MW-25 Screen 3	Oct/Nov 2013	MW-25-3	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.9	13.0		
MW-25 Screen 3	Jan/Feb 2014	MW-25-3	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.9	12.0		
MW-25 Screen 4	Apr/May 2013	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	7.3	Carbon disulfide	0.5 J
MW-25 Screen 4	Jul 2013	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	9.3		
MW-25 Screen 4	Oct/Nov 2013	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	10.0	Carbon disulfide	0.5 J
MW-25 Screen 4	Jan/Feb 2014	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	10.0		
MW-25 Screen 5	Apr/May 2013	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	4.0 U		
MW-25 Screen 5	Jul 2013	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	4.0 U		
MW-25 Screen 5	Oct/Nov 2013	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	4.0 U	Carbon disulfide	0.7 J
MW-25 Screen 5	Jan/Feb 2014	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	4.0 U	Carbon disulfide	0.5 J
MW-26 Screen 1	Apr/May 2013	MW-26-1	0.5 U	0.3 J	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.6 J	cis-1,2-Dichloroethene	0.1 J
MW-26 Screen 1	Jul 2013	MW-26-1	0.5 U	0.6	1.2	0.1 J	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U	cis-1,2-Dichloroethene	0.1 J
MW-26 Screen 1	Oct/Nov 2013	MW-26-1	0.5 U	0.4 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.5		
MW-26 Screen 1	Oct/Nov 2013	DUPE-3-4Q13	0.5 U	0.4 J	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.2		
MW-26 Screen 1	Jan/Feb 2014	MW-26-1	0.5 U	0.4 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.5 J		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-26 Screen 2	Apr/May 2013	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	4.0 U		
MW-26 Screen 2	Jul 2013	MW-26-2	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	1.4 J		
MW-26 Screen 2	Oct/Nov 2013	MW-26-2	0.5 U	0.3 J	2.0	0.5 U	0.5 U	0.5 U	0.5 U	1.1	3.3 J	Bromodichloromethane	0.2 J
												cis-1,2-Dichloroethene	0.3 J
MW-26 Screen 2	Jan/Feb 2014	MW-26-2	0.5 U	0.3 J	2.0	0.5 U	0.5 U	0.5 U	0.5 U	1.2	2.6 J	Bromodichloromethane	0.2 J
												cis-1,2-Dichloroethene	0.3 J
California Maximum Contaminant Level (MCL)			0.5	5	5	5	0.5	6	1200	TTHM	6.0		
EPA Region IX Maximum Contaminant Level			5	5	5	NE	5	7	NE	TTHM	NE		

**Notes**

DUPE Field Duplicate

NA Not analyzed

NE Not established

TTHM Chloroform is regulated under the state and federal MCL of 80 µg/L for Total Trihalomethanes (TTHMs); the MCL applies to the sum of all four trihalomethanes (Bromodichloromethane, Bromoform, Dibromochloromethane, and Chloroform) as an annual average

J Analyte concentration is an estimated value

U Analyte was analyzed for but not detected at or above the stated limit

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

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

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

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-1	Apr/May 2013	MW-1	1.4 J	1.000 U	3.0 U	0.002 U
MW-1	Apr/May 2013	DUP-8-2Q13	1.1 J	1.000 U	3.0 U	0.002 U
MW-1	Oct/Nov 2013	MW-1	NA	NA	3.0 U	0.002 U
MW-3 Screen 1	Apr/May 2013	MW-3-1	2.0 U	1.000 U	3.0 U	0.002 U
MW-3 Screen 1	Oct/Nov 2013	MW-3-1	NA	NA	3.0 U	0.002 U
MW-3 Screen 2	Apr/May 2013	MW-3-2	2.0 U	0.120 U	3.0 U	0.002 U
MW-3 Screen 2	Jul 2013	MW-3-2	NA	NA	0.6 J	0.002 U
MW-3 Screen 2	Jul 2013	DUPE-5-3Q13	NA	NA	3.0 U	0.002 U
MW-3 Screen 2	Oct/Nov 2013	MW-3-2	NA	NA	0.7 J	0.002 U
MW-3 Screen 2	Jan/Feb 2014	MW-3-2	NA	NA	3.0 U	0.002 U
MW-3 Screen 3	Apr/May 2013	MW-3-3	3.0	1.000 U	2.3 J	0.002 J
MW-3 Screen 3	Jul 2013	MW-3-3	NA	NA	2.4 J	0.002 U
MW-3 Screen 3	Oct/Nov 2013	MW-3-3	NA	NA	1.8 J	0.002 J
MW-3 Screen 3	Jan/Feb 2014	MW-3-3	NA	NA	1.4 J	0.002 U
MW-3 Screen 3	Jan/Feb 2014	DUPE-3-1Q14	NA	NA	6.3	0.002 U
MW-3 Screen 4	Apr/May 2013	MW-3-4	18.0	1.000 U	34.0	0.002 U
MW-3 Screen 4	Jul 2013	MW-3-4	NA	NA	22.0	0.002 U
MW-3 Screen 4	Oct/Nov 2013	MW-3-4	NA	NA	3.1	0.002 U
MW-3 Screen 4	Jan/Feb 2014	MW-3-4	NA	NA	6.2	0.001 J
MW-3 Screen 5	Apr/May 2013	MW-3-5	1.7 J	1.000 U	1.6 J	0.002 U
MW-3 Screen 5	Oct/Nov 2013	MW-3-5	NA	NA	7.3	0.001 J
MW-4 Screen 1	Apr/May 2013	MW-4-1	2.0 U	1.000 U	3.0 U	0.002 U
MW-4 Screen 1	Jul 2013	MW-4-1	NA	NA	0.6 J	0.002 U
MW-4 Screen 1	Oct/Nov 2013	MW-4-1	NA	NA	3.0 U	0.002 U
MW-4 Screen 1	Jan/Feb 2014	MW-4-1	NA	NA	3.0 U	0.002 U
MW-4 Screen 2	Apr/May 2013	MW-4-2	2.0 U	1.000 U	3.5	0.002 U
MW-4 Screen 2	Jul 2013	MW-4-2	NA	NA	3.2	0.002 J
MW-4 Screen 2	Oct/Nov 2013	MW-4-2	NA	NA	12.0	0.002 U
MW-4 Screen 2	Jan/Feb 2014	MW-4-2	NA	NA	2.4 J	0.001 J
MW-4 Screen 3	Apr/May 2013	MW-4-3	1.0 J	1.000 U	1.2 J	0.002 U
MW-4 Screen 3	Jul 2013	MW-4-3	NA	NA	1.0 J	0.002 U
MW-4 Screen 3	Oct/Nov 2013	MW-4-3	NA	NA	1.9 J	0.002 U
MW-4 Screen 3	Jan/Feb 2014	MW-4-3	NA	NA	1.0 J	0.001 J
MW-4 Screen 3	Jan/Feb 2014	DUP-1-1Q14	NA	NA	1.1 J	0.001 J

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-4 Screen 4	Apr/May 2013	MW-4-4	0.8 J	1.000 U	0.9 J	0.002 U
MW-4 Screen 4	Oct/Nov 2013	MW-4-4	NA	NA	1.1 J	0.002 U
MW-4 Screen 5	Apr/May 2013	MW-4-5	2.0 U	1.000 U	3.0 U	0.002 U
MW-4 Screen 5	Oct/Nov 2013	MW-4-5	NA	NA	3.0 U	0.002 U
MW-5	Apr/May 2013	MW-5	2.0 U	1.000 U	3.0 U	0.002 U
MW-5	Jul 2013	MW-5	NA	NA	0.8 U	0.002 U
MW-5	Oct/Nov 2013	MW-5	NA	NA	3.0 U	0.002 U
MW-5	Jan/Feb 2014	MW-5	NA	NA	0.7 J	0.002 U
MW-5	Jan/Feb 2014	DUPE-6-1Q14	NA	NA	0.7 J	0.002 U
MW-6	Apr/May 2013	MW-6	2.0 U	1.000 U	5.1	0.002 J
MW-6	Apr/May 2013	DUP-7-2Q13	2.0 U	1.000 U	1.1 J	0.001 J
MW-6	Jul 2013	MW-6	NA	NA	2.9 U	0.002 U
MW-6	Oct/Nov 2013	MW-6	NA	NA	39.0	0.001 U
MW-6	Jan/Feb 2014	MW-6	NA	NA	8.1	0.002 U
MW-7	Apr/May 2013	MW-7	0.9 J	1.000 U	16.0 J	0.014
MW-7	Apr/May 2013	DUP-6-2Q13	0.9 J	1.000 U	17.0 J	0.013
MW-7	Jul 2013	MW-7	NA	NA	17.0	0.004
MW-7	Oct/Nov 2013	MW-7	NA	NA	16.0	0.004
MW-7	Jan/Feb 2014	MW-7	NA	NA	49.0	0.002
MW-7	Jan/Feb 2014	DUPE-5-1Q14	NA	NA	42.0	0.001 J
MW-8	Apr/May 2013	MW-8	0.9 J	1.000 U	0.7 J	0.002 U
MW-8	Jul 2013	MW-8	NA	NA	1.5 U	0.002 U
MW-8	Oct/Nov 2013	MW-8	NA	NA	2.4 J	0.001 J
MW-8	Oct/Nov 2013	DUPE-5-4Q13	NA	NA	2.1 J	0.001 J
MW-8	Jan/Feb 2014	MW-8	NA	NA	3.0	0.001 J
MW-8	Jan/Feb 2014	DUPE-7-1Q14	NA	NA	3.4	0.001 J
MW-9	Apr/May 2013	MW-9	1.0 J	1.000 U	0.7 J	0.002 U
MW-10	Apr/May 2013	MW-10	2.0 U	1.000 U	5.2	0.004
MW-10	Jul 2013	MW-10	NA	NA	3.3 U	0.002 J
MW-10	Oct/Nov 2013	MW-10	NA	NA	2.9 J	0.001 U
MW-10	Oct/Nov 2013	DUPE-8-4Q13	NA	NA	3.4	0.001 U
MW-10	Jan/Feb 2014	MW-10	NA	NA	7.9 U	0.002 U
MW-11 Screen 1	Apr/May 2013	MW-11-1	1.8 J	1.000 U	0.5 J	0.002 U
MW-11 Screen 1	Apr/May 2013	DUP-5-2Q13	2.0 U	1.000 U	3.0 U	0.002 U
MW-11 Screen 1	Jul 2013	MW-11-1	NA	NA	3.6	0.002 U
MW-11 Screen 1	Oct/Nov 2013	MW-11-1	NA	NA	3.0 U	0.002 U
MW-11 Screen 1	Jan/Feb 2014	MW-11-1	NA	NA	3.0 U	0.002 U
MW-11 Screen 2	Apr/May 2013	MW-11-2	1.2 J	1.000 U	3.0 U	0.001 J
MW-11 Screen 2	Jul 2013	MW-11-2	NA	NA	3.0 U	0.002 U
MW-11 Screen 2	Jul 2013	DUPE-6-3Q13	NA	NA	3.0 U	0.002 U
MW-11 Screen 2	Oct/Nov 2013	MW-11-2	NA	NA	3.0 U	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-11 Screen 2	Jan/Feb 2014	MW-11-2	NA	NA	3.0 U	0.002 U
MW-11 Screen 3	Apr/May 2013	MW-11-3	1.4 J	1.000 U	0.9 J	0.002 U
MW-11 Screen 3	Jul 2013	MW-11-3	NA	NA	0.5 J	0.002 U
MW-11 Screen 3	Oct/Nov 2013	MW-11-3	NA	NA	3.0 U	0.002 U
MW-11 Screen 3	Jan/Feb 2014	MW-11-3	NA	NA	3.0 U	0.002 U
MW-11 Screen 4	Apr/May 2013	MW-11-4	0.7 J	1.000 U	1.3 J	0.002 U
MW-11 Screen 4	Oct/Nov 2013	MW-11-4	NA	NA	3.0 U	0.002 U
MW-11 Screen 5	Apr/May 2013	MW-11-5	6.9	0.140 J	1.7 J	0.002 U
MW-11 Screen 5	Oct/Nov 2013	MW-11-5	NA	NA	3.0 U	0.002 U
MW-12 Screen 1	Apr/May 2013	MW-12-1	2.0 U	1.000 U	0.6 J	0.002 U
MW-12 Screen 1	Jul 2013	MW-12-1	NA	NA	1.0 J	0.002 U
MW-12 Screen 1	Oct/Nov 2013	MW-12-1	NA	NA	1.9 J	0.001 J
MW-12 Screen 1	Jan/Feb 2014	MW-12-1	NA	NA	3.0 U	0.002 U
MW-12 Screen 2	Apr/May 2013	MW-12-2	0.8 J	1.000 U	1.1 J	0.002 U
MW-12 Screen 2	Apr/May 2013	DUP-4-2Q13	2.0 U	1.000 U	1.2 J	0.002 U
MW-12 Screen 2	Jul 2013	MW-12-2	NA	NA	1.6 J	0.002 U
MW-12 Screen 2	Oct/Nov 2013	MW-12-2	NA	NA	1.0 J	0.002 U
MW-12 Screen 2	Jan/Feb 2014	MW-12-2	NA	NA	1.0 J	0.002 U
MW-12 Screen 3	Apr/May 2013	MW-12-3	1.3 J	1.000 U	3.0 U	0.002 U
MW-12 Screen 3	Jul 2013	MW-12-3	NA	NA	3.0 U	0.002 U
MW-12 Screen 3	Oct/Nov 2013	MW-12-3	NA	NA	3.0 U	0.002 U
MW-12 Screen 3	Jan/Feb 2014	MW-12-3	NA	NA	3.0 U	0.002 U
MW-12 Screen 4	Apr/May 2013	MW-12-4	1.7 J	1.000 U	0.8 J	0.001 J
MW-12 Screen 4	Oct/Nov 2013	MW-12-4	NA	NA	0.9 J	0.001 J
MW-12 Screen 5	Apr/May 2013	MW-12-5	2.2	1.000 U	1.8 J	0.002
MW-12 Screen 5	Oct/Nov 2013	MW-12-5	NA	NA	1.5 J	0.002 J
MW-13	Apr/May 2013	MW-13	0.7 J	0.100 J	14.0 J	0.005
MW-13	Jul 2013	MW-13	NA	NA	140.0	0.004
MW-13	Oct/Nov 2013	MW-13	NA	NA	67.0	0.002 J
MW-13	Jan/Feb 2014	MW-13	NA	NA	150.0	0.002 U
MW-13	Jan/Feb 2014	DUPE-4-1Q14	NA	NA	150.0	0.002 U
MW-14 Screen 1	Apr/May 2013	MW-14-1	2.0 U	1.000 U	0.8 J	0.009
MW-14 Screen 1	Jul 2013	MW-14-1	NA	NA	1.3 J	0.002 U
MW-14 Screen 1	Oct/Nov 2013	MW-14-1	NA	NA	0.8 J	0.002 U
MW-14 Screen 1	Oct/Nov 2013	DUPE-2-4Q13	NA	NA	1.0 J	0.002 U
MW-14 Screen 1	Jan/Feb 2014	MW-14-1	NA	NA	3.0 U	0.001 J
MW-14 Screen 2	Apr/May 2013	MW-14-2	2.0 U	1.000 U	3.0 U	0.002 U
MW-14 Screen 2	Jul 2013	MW-14-2	NA	NA	1.3 J	0.002 U
MW-14 Screen 2	Jul 2013	DUPE-2-3Q13	NA	NA	1.3 J	0.002 U
MW-14 Screen 2	Oct/Nov 2013	MW-14-2	NA	NA	3.0 U	0.002 U
MW-14 Screen 2	Jan/Feb 2014	MW-14-2	NA	NA	3.0 U	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-14 Screen 3	Apr/May 2013	MW-14-3	2.0 U	1.000 U	3.0 U	0.002 U
MW-14 Screen 3	Jul 2013	MW-14-3	NA	NA	1.1 J	0.002 U
MW-14 Screen 3	Oct/Nov 2013	MW-14-3	NA	NA	3.0 U	0.002 U
MW-14 Screen 3	Jan/Feb 2014	MW-14-3	NA	NA	0.8 J	0.001 J
MW-14 Screen 4	Apr/May 2013	MW-14-4	2.0 U	1.000 U	2.1 J	0.001 J
MW-14 Screen 4	Apr/May 2013	DUP-2-2Q13	2.0 U	1.000 U	5.0	0.001 J
MW-14 Screen 4	Oct/Nov 2013	MW-14-4	NA	NA	3.0 U	0.002 J
MW-14 Screen 5	Apr/May 2013	MW-14-5	1.3 J	1.000 U	3.0 U	0.002 U
MW-14 Screen 5	Oct/Nov 2013	MW-14-5	NA	NA	3.0 U	0.002 U
MW-15	Apr/May 2013	MW-15	1.5 J	1.000 U	0.5 J	0.002 U
MW-15	Jul 2013	MW-15	NA	NA	4.2	0.002 U
MW-15	Oct/Nov 2013	MW-15	NA	NA	3.0 U	0.002 U
MW-15	Oct/Nov 2013	DUPE-6-4Q13	NA	NA	3.0 U	0.002 U
MW-15	Jan/Feb 2014	MW-15	NA	NA	3.0 U	0.002 U
MW-16	Apr/May 2013	MW-16	4.8	1.000 U	14.0	0.010
MW-16	Jul 2013	MW-16	NA	NA	15.0	0.014
MW-16	Oct/Nov 2013	MW-16	NA	NA	260.0	0.014
MW-16	Oct/Nov 2013	DUPE-7-4Q13	NA	NA	180.0	0.014
MW-16	Jan/Feb 2014	MW-16	NA	NA	410.0	0.015
MW-17 Screen 1	Apr/May 2013	MW-17-1	2.0 U	1.000 U	3.0 U	0.002 U
MW-17 Screen 1	Oct/Nov 2013	MW-17-1	NA	NA	3.0 U	0.002 U
MW-17 Screen 2	Apr/May 2013	MW-17-2	2.0 U	1.000 U	0.7 J	0.002 U
MW-17 Screen 2	Jul 2013	MW-17-2	NA	NA	0.7 J	0.002 U
MW-17 Screen 2	Oct/Nov 2013	MW-17-2	NA	NA	3.0 U	0.002 U
MW-17 Screen 2	Jan/Feb 2014	MW-17-2	NA	NA	3.0 U	0.002 U
MW-17 Screen 3	Apr/May 2013	MW-17-3	1.0 J	1.000 U	0.6 J	0.002 U
MW-17 Screen 3	Jul 2013	MW-17-3	NA	NA	0.9 J	0.002 U
MW-17 Screen 3	Oct/Nov 2013	MW-17-3	NA	NA	3.0 U	0.002 U
MW-17 Screen 3	Jan/Feb 2014	MW-17-3	NA	NA	3.0 U	0.002 U
MW-17 Screen 4	Apr/May 2013	MW-17-4	2.4	1.000 U	1.1 J	0.002 U
MW-17 Screen 4	Jul 2013	MW-17-4	NA	NA	0.6 J	0.002 U
MW-17 Screen 4	Oct/Nov 2013	MW-17-4	NA	NA	2.0 J	0.002 J
MW-17 Screen 4	Jan/Feb 2014	MW-17-4	NA	NA	4.0	0.003
MW-17 Screen 5	Apr/May 2013	MW-17-5	6.6	0.340 J	3.0 U	0.002 U
MW-17 Screen 5	Oct/Nov 2013	MW-17-5	NA	NA	3.0 U	0.002 U
MW-18 Screen 1	Apr/May 2013	MW-18-1	2.0 U	0.720 J	3.0 U	0.004 U
MW-18 Screen 2	Apr/May 2013	MW-18-2	0.9 J	1.000 U	3.0 U	0.002 U
MW-18 Screen 2	Jul 2013	MW-18-2	NA	NA	0.6 J	0.002 U
MW-18 Screen 2	Oct/Nov 2013	MW-18-2	NA	NA	3.0 U	0.002 U
MW-18 Screen 2	Jan/Feb 2014	MW-18-2	NA	NA	3.0 U	0.002 U
MW-18 Screen 3	Apr/May 2013	MW-18-3	2.0 U	1.000 U	2.2 J	0.001 J



Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-18 Screen 3	Jul 2013	MW-18-3	NA	NA	2.8 J	0.001 J
MW-18 Screen 3	Oct/Nov 2013	MW-18-3	NA	NA	2.9 J	0.001 J
MW-18 Screen 3	Jan/Feb 2014	MW-18-3	NA	NA	1.8 J	0.002 J
MW-18 Screen 4	Apr/May 2013	MW-18-4	1.2 J	1.000 U	1.2 J	0.002 U
MW-18 Screen 4	Jul 2013	MW-18-4	NA	NA	2.5 J	0.002 U
MW-18 Screen 4	Jul 2013	DUPE-3-3Q13	NA	NA	2.1 J	0.002 U
MW-18 Screen 4	Oct/Nov 2013	MW-18-4	NA	NA	3.5	0.001 J
MW-18 Screen 4	Jan/Feb 2014	MW-18-4	NA	NA	2.8 J	0.002
MW-18 Screen 5	Apr/May 2013	MW-18-5	1.3 J	1.000 U	3.0 U	0.002 U
MW-18 Screen 5	Oct/Nov 2013	MW-18-5	NA	NA	3.0 U	0.002 U
MW-19 Screen 1	Apr/May 2013	MW-19-1	2.0 U	1.000 U	3.0 U	0.002 U
MW-19 Screen 1	Oct/Nov 2013	MW-19-1	NA	NA	2.3 J	0.002 U
MW-19 Screen 2	Apr/May 2013	MW-19-2	2.0 U	1.000 U	1.7 J	0.002 U
MW-19 Screen 2	Oct/Nov 2013	MW-19-2	NA	NA	2.1 J	0.002 U
MW-19 Screen 3	Apr/May 2013	MW-19-3	0.9 J	1.000 U	1.9 J	0.001 J
MW-19 Screen 3	Oct/Nov 2013	MW-19-3	NA	NA	2.6 J	0.002 U
MW-19 Screen 4	Apr/May 2013	MW-19-4	1.3 J	1.000 U	1.1 J	0.002 J
MW-19 Screen 4	Oct/Nov 2013	MW-19-4	NA	NA	2.5 J	0.002 J
MW-19 Screen 5	Apr/May 2013	MW-19-5	1.1 J	1.000 U	3.0 U	0.002 U
MW-19 Screen 5	Oct/Nov 2013	MW-19-5	NA	NA	1.1 J	0.002 U
MW-20 Screen 1	Apr/May 2013	MW-20-1	2.0 U	1.000 U	3.0 U	0.002 U
MW-20 Screen 1	Jul 2013	MW-20-1	NA	NA	1.1 J	0.002 U
MW-20 Screen 1	Oct/Nov 2013	MW-20-1	NA	NA	3.0 U	0.002 U
MW-20 Screen 1	Jan/Feb 2014	MW-20-1	NA	NA	3.0 U	0.002 U
MW-20 Screen 1	Jan/Feb 2014	DUPE-2-1Q14	NA	NA	3.0 U	0.002 U
MW-20 Screen 2	Apr/May 2013	MW-20-2	0.7 J	1.000 U	3.0 U	0.002 U
MW-20 Screen 2	Jul 2013	MW-20-2	NA	NA	3.0 U	0.002 U
MW-20 Screen 2	Oct/Nov 2013	MW-20-2	NA	NA	3.0 U	0.002 U
MW-20 Screen 2	Jan/Feb 2014	MW-20-2	NA	NA	3.0 U	0.002 U
MW-20 Screen 3	Apr/May 2013	MW-20-3	1.0 J	1.000 U	3.0 U	0.002 U
MW-20 Screen 3	Apr/May 2013	DUP-1-2Q13	1.1 J	1.000 U	3.0 U	0.002 U
MW-20 Screen 3	Jul 2013	MW-20-3	NA	NA	0.9 J	0.002 U
MW-20 Screen 3	Oct/Nov 2013	MW-20-3	NA	NA	3.0 U	0.002 U
MW-20 Screen 3	Jan/Feb 2014	MW-20-3	NA	NA	3.0 U	0.002 U
MW-20 Screen 4	Apr/May 2013	MW-20-4	1.8 J	1.000 U	2.8 J	0.002 U
MW-20 Screen 4	Jul 2013	MW-20-4	NA	NA	0.9 J	0.002 U
MW-20 Screen 4	Oct/Nov 2013	MW-20-4	NA	NA	3.0 U	0.002 U
MW-20 Screen 4	Oct/Nov 2013	DUPE-1-4Q13	NA	NA	3.0 U	0.002 U
MW-20 Screen 4	Jan/Feb 2014	MW-20-4	NA	NA	3.0 U	0.002 U
MW-20 Screen 5	Apr/May 2013	MW-20-5	2.0 U	1.000 U	3.0 U	0.002 U
MW-20 Screen 5	Jul 2013	MW-20-5	NA	NA	1.5 J	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-20 Screen 5	Oct/Nov 2013	MW-20-5	NA	NA	3.0 U	0.002 U
MW-20 Screen 5	Jan/Feb 2014	MW-20-5	NA	NA	3.0 U	0.001 J
MW-21 Screen 1	Apr/May 2013	MW-21-1	2.0 U	1.000 U	1.4 J	0.001 J
MW-21 Screen 1	Jul 2013	MW-21-1	NA	NA	1.4 U	0.001 J
MW-21 Screen 1	Oct/Nov 2013	MW-21-1	NA	NA	3.9 U	0.002 U
MW-21 Screen 1	Jan/Feb 2014	MW-21-1	NA	NA	1.8 J	0.002
MW-21 Screen 2	Apr/May 2013	MW-21-2	2.0 U	1.000 U	3.3	0.001 J
MW-21 Screen 2	Jul 2013	MW-21-2	NA	NA	1.2 U	0.002 U
MW-21 Screen 2	Oct/Nov 2013	MW-21-2	NA	NA	1.3 U	0.002 U
MW-21 Screen 2	Jan/Feb 2014	MW-21-2	NA	NA	3.0 U	0.001 J
MW-21 Screen 3	Apr/May 2013	MW-21-3	0.9 J	1.000 U	0.7 J	0.001 J
MW-21 Screen 3	Jul 2013	MW-21-3	NA	NA	1.0 U	0.002 U
MW-21 Screen 3	Oct/Nov 2013	MW-21-3	NA	NA	2.0 U	0.002 U
MW-21 Screen 3	Jan/Feb 2014	MW-21-3	NA	NA	0.6 J	0.001 J
MW-21 Screen 4	Apr/May 2013	MW-21-4	0.8 J	1.000 U	1.5 J	0.001 J
MW-21 Screen 4	Jul 2013	MW-21-4	NA	NA	1.6 J	0.002 U
MW-21 Screen 4	Jul 2013	DUPE-7-3Q13	NA	NA	1.6 J	0.002 U
MW-21 Screen 4	Oct/Nov 2013	MW-21-4	NA	NA	1.9 U	0.002 U
MW-21 Screen 4	Jan/Feb 2014	MW-21-4	NA	NA	0.9 J	0.001 J
MW-21 Screen 5	Apr/May 2013	MW-21-5	1.6 J	1.000 U	1.9 J	0.002 J
MW-21 Screen 5	Jul 2013	MW-21-5	NA	NA	1.7 J	0.001 J
MW-21 Screen 5	Oct/Nov 2013	MW-21-5	NA	NA	2.3 U	0.001 J
MW-21 Screen 5	Jan/Feb 2014	MW-21-5	NA	NA	1.1 U	0.002 J
MW-22 Screen 1	Apr/May 2013	MW-22-1	2.0 U	1.000 U	0.6 J	0.002 U
MW-22 Screen 1	Jul 2013	MW-22-1	NA	NA	0.9 J	0.002 U
MW-22 Screen 1	Oct/Nov 2013	MW-22-1	NA	NA	1.0 U	0.002 U
MW-22 Screen 1	Jan/Feb 2014	MW-22-1	NA	NA	2.7 J	0.002 U
MW-22 Screen 2	Apr/May 2013	MW-22-2	0.9 J	1.000 U	1.7 J	0.001 J
MW-22 Screen 2	Jul 2013	MW-22-2	NA	NA	1.9 J	0.001 J
MW-22 Screen 2	Oct/Nov 2013	MW-22-2	NA	NA	2.4 U	0.001 J
MW-22 Screen 2	Jan/Feb 2014	MW-22-2	NA	NA	1.4 J	0.002 U
MW-22 Screen 3	Apr/May 2013	MW-22-3	2.0 U	1.000 U	2.1 J	0.002 J
MW-22 Screen 3	Apr/May 2013	DUP-3-2Q13	2.0 U	1.000 U	2.0 J	0.001 J
MW-22 Screen 3	Jul 2013	MW-22-3	NA	NA	2.7 J	0.002 J
MW-22 Screen 3	Oct/Nov 2013	MW-22-3	NA	NA	3.2 U	0.002
MW-22 Screen 3	Jan/Feb 2014	MW-22-3	NA	NA	1.4 J	0.003 U
MW-22 Screen 4	Apr/May 2013	MW-22-4	1.0 J	1.000 U	2.2 J	0.001 J
MW-22 Screen 4	Oct/Nov 2013	MW-22-4	NA	NA	2.0 U	0.002 J
MW-22 Screen 5	Apr/May 2013	MW-22-5	2.0 U	1.000 U	3.0 U	0.002 U
MW-22 Screen 5	Oct/Nov 2013	MW-22-5	NA	NA	3.0 U	0.002 U
MW-23 Screen 1	Apr/May 2013	MW-23-1	2.0 U	1.000 U	2.7 J	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-23 Screen 1	Jul 2013	MW-23-1	NA	NA	7.0	0.002 U
MW-23 Screen 1	Oct/Nov 2013	MW-23-1	NA	NA	2.0 J	0.002 U
MW-23 Screen 1	Jan/Feb 2014	MW-23-1	NA	NA	1.6 J	0.002 U
MW-23 Screen 2	Apr/May 2013	MW-23-2	0.8 J	1.000 U	1.9 J	0.002 J
MW-23 Screen 2	Jul 2013	MW-23-2	NA	NA	1.4 J	0.001 J
MW-23 Screen 2	Oct/Nov 2013	MW-23-2	NA	NA	0.9 J	0.001 J
MW-23 Screen 2	Jan/Feb 2014	MW-23-2	NA	NA	1.2 J	0.002 U
MW-23 Screen 3	Apr/May 2013	MW-23-3	1.2 J	1.000 U	3.0	0.003 J
MW-23 Screen 3	Jul 2013	MW-23-3	NA	NA	3.1	0.003
MW-23 Screen 3	Oct/Nov 2013	MW-23-3	NA	NA	2.7 J	0.003
MW-23 Screen 3	Jan/Feb 2014	MW-23-3	NA	NA	3.1	0.003 U
MW-23 Screen 4	Apr/May 2013	MW-23-4	1.7 J	1.000 U	2.7 J	0.002 J
MW-23 Screen 4	Jul 2013	MW-23-4	NA	NA	3.3	0.002 J
MW-23 Screen 4	Oct/Nov 2013	MW-23-4	NA	NA	2.3 J	0.003
MW-23 Screen 4	Jan/Feb 2014	MW-23-4	NA	NA	2.6 J	0.003
MW-23 Screen 5	Apr/May 2013	MW-23-5	3.7	0.150 J	3.0 U	0.002 U
MW-23 Screen 5	Oct/Nov 2013	MW-23-5	NA	NA	3.0 U	0.002 U
MW-24 Screen 1	Apr/May 2013	MW-24-1	2.0 U	1.000 U	20.0	0.002
MW-24 Screen 1	Jul 2013	MW-24-1	NA	NA	13.0	0.007
MW-24 Screen 1	Oct/Nov 2013	MW-24-1	NA	NA	9.9	0.006
MW-24 Screen 1	Jan/Feb 2014	MW-24-1	NA	NA	16.0	0.002 U
MW-24 Screen 2	Apr/May 2013	MW-24-2	2.4	1.000 U	1.8 J	0.002
MW-24 Screen 2	Jul 2013	MW-24-2	NA	NA	2.4 J	0.001 J
MW-24 Screen 2	Oct/Nov 2013	MW-24-2	NA	NA	2.3 U	0.002 J
MW-24 Screen 2	Jan/Feb 2014	MW-24-2	NA	NA	2.6 J	0.002
MW-24 Screen 3	Apr/May 2013	MW-24-3	2.3	1.000 U	3.0 U	0.004 U
MW-24 Screen 3	Jul 2013	MW-24-3	NA	NA	3.0 U	0.002 U
MW-24 Screen 3	Oct/Nov 2013	MW-24-3	NA	NA	3.0 U	0.002 U
MW-24 Screen 3	Jan/Feb 2014	MW-24-3	NA	NA	3.0 U	0.002 U
MW-24 Screen 4	Apr/May 2013	MW-24-4	1.1 J	1.000 U	3.0 U	0.002 U
MW-24 Screen 4	Jul 2013	MW-24-4	NA	NA	0.6 J	0.002 U
MW-24 Screen 4	Oct/Nov 2013	MW-24-4	NA	NA	3.0 U	0.002 U
MW-24 Screen 4	Jan/Feb 2014	MW-24-4	NA	NA	3.0 U	0.002 U
MW-24 Screen 5	Apr/May 2013	MW-24-5	2.4	0.140 U	2.3 J	0.003
MW-24 Screen 5	Oct/Nov 2013	MW-24-5	NA	NA	3.1 U	0.001 J
MW-25 Screen 1	Apr/May 2013	MW-25-1	2.0 U	1.000 U	1.6 J	0.002 U
MW-25 Screen 1	Jul 2013	MW-25-1	NA	NA	1.7 J	0.002 U
MW-25 Screen 1	Oct/Nov 2013	MW-25-1	NA	NA	2.3 U	0.002 U
MW-25 Screen 1	Jan/Feb 2014	MW-25-1	NA	NA	2.0 U	0.002 U
MW-25 Screen 2	Apr/May 2013	MW-25-2	0.8 J	1.000 U	2.8 J	0.002 J
MW-25 Screen 2	Jul 2013	MW-25-2	NA	NA	2.9 J	0.002 J

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-25 Screen 2	Oct/Nov 2013	MW-25-2	NA	NA	2.5 J	0.001 J
MW-25 Screen 2	Oct/Nov 2013	DUPE-4-4Q13	NA	NA	3.7 U	0.001 J
MW-25 Screen 2	Jan/Feb 2014	MW-25-2	NA	NA	4.0	0.002 J
MW-25 Screen 3	Apr/May 2013	MW-25-3	0.9 J	0.230 J	3.2	0.002 J
MW-25 Screen 3	Jul 2013	MW-25-3	NA	NA	3.3	0.003
MW-25 Screen 3	Jul 2013	DUPE-4-3Q13	NA	NA	3.1	0.003
MW-25 Screen 3	Oct/Nov 2013	MW-25-3	NA	NA	2.4 J	0.002
MW-25 Screen 3	Jan/Feb 2014	MW-25-3	NA	NA	1.8 J	0.003
MW-25 Screen 4	Apr/May 2013	MW-25-4	0.8 J	1.000 U	1.3 J	0.002 U
MW-25 Screen 4	Jul 2013	MW-25-4	NA	NA	1.5 J	0.002 U
MW-25 Screen 4	Oct/Nov 2013	MW-25-4	NA	NA	1.1 J	0.002 U
MW-25 Screen 4	Jan/Feb 2014	MW-25-4	NA	NA	0.9 J	0.001 J
MW-25 Screen 5	Apr/May 2013	MW-25-5	2.1	0.370 J	3.0 U	0.002 U
MW-25 Screen 5	Jul 2013	MW-25-5	NA	NA	3.0 U	0.002 U
MW-25 Screen 5	Oct/Nov 2013	MW-25-5	NA	NA	3.0 U	0.002 U
MW-25 Screen 5	Jan/Feb 2014	MW-25-5	NA	NA	3.0 U	0.002 U
MW-26 Screen 1	Apr/May 2013	MW-26-1	2.0 U	0.130 J	0.9 J	0.002 U
MW-26 Screen 1	Jul 2013	MW-26-1	NA	NA	3.0 U	0.002 U
MW-26 Screen 1	Oct/Nov 2013	MW-26-1	NA	NA	3.0 U	0.002 U
MW-26 Screen 1	Oct/Nov 2013	DUPE-3-4Q13	NA	NA	7.2	0.002 U
MW-26 Screen 1	Jan/Feb 2014	MW-26-1	NA	NA	3.0 U	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-26 Screen 2	Apr/May 2013	MW-26-2	1.2 J	1.000 U	2.9 J	0.002 U
MW-26 Screen 2	Jul 2013	MW-26-2	NA	NA	2.6 J	0.002 U
MW-26 Screen 2	Oct/Nov 2013	MW-26-2	NA	NA	2.1 J	0.002 U
MW-26 Screen 2	Jan/Feb 2014	MW-26-2	NA	NA	3.0 U	0.001 U
California Maximum Contaminant Level (MCL)			10	15 *	50	0.05 **
EPA Region IX Maximum Contaminant Level			50	15 *	100	NE

**Notes**

DUPE Field Duplicate

NA Not analyzed

NE Not established

UNK PQL value unknown

\* Interim Action Level - California Department of Health Services

\*\* As of January 6, 2004, hexavalent chromium is regulated under the 50-µg/L MCL for total chromium.

DHS will be adopting an MCL that is specific for hexavalent chromium (DHS, 2004).

As of December 31, 2010, a draft PHG of 0.02 µg/L has been established by Cal/EPA (e.g., Health and Safety Code requirement to establish the MCL); however, the CDPH (formerly DHS) has not established an MCL.

On August 23, 2013, the California Department of Public Health (CDPH) proposed to establish a specific MCL for Cr(VI) at a concentration of 0.010 milligram per liter (10.0 µg/L equivalent).

J Analyte concentration is an estimated value

U Analyte was analyzed for but not detected at or above the stated limit

**TABLE 3**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE REPORTED IN**  
**MUNICIPAL PRODUCTION WELLS NEAR JPL DURING LAST FOUR SAMPLING EVENTS OF THE**  
**LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM**

(All concentrations reported in µg/L.)

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

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
LINCOLN AVENUE WATER CO.	WELL 03	2/12/13	11.0	NA	NA	NA
		2/19/13	13.0	NA	NA	NA
		2/26/13	15.0	NA	NA	NA
		3/05/13	18.0	0.9	0.5 U	1.2
		3/12/13	18.0	NA	NA	NA
		3/19/13	18.0	NA	NA	NA
		4/01/13	19.0	1.2	0.5 U	1.2
		4/09/13	19.0	NA	NA	NA
		4/23/13	18.0	NA	NA	NA
		5/07/13	18.0	1.1	0.5 U	1.3
		5/14/13	18.0	NA	NA	NA
		5/21/13	18.0	NA	NA	NA
		5/28/13	18.0	NA	NA	NA
		6/04/13	18.0	1.1	0.5 U	1.4
		6/11/13	16.0	NA	NA	NA
		6/18/13	16.0	NA	NA	NA
		6/25/13	16.0	NA	NA	NA
		7/02/13	16.0	1.4	0.4	1.6
		7/09/13	18.0	NA	NA	NA
		7/16/13	18.0	NA	NA	NA
		7/23/13	19.0	NA	NA	NA
		7/30/13	17.0	NA	NA	NA
		8/06/13	17.0	1.1	0.5 U	1.2
		8/13/13	18.0	NA	NA	NA
		8/20/13	17.0	NA	NA	NA
		8/26/13	NA	1.3	0.5 U	1.5
		8/27/13	17.0	NA	NA	NA
		9/03/13	17.0	1.4	0.5 U	1.6
	9/10/13	19.0	NA	NA	NA	
	9/17/13	19.0	NA	NA	NA	
	9/24/13	19.0	NA	NA	NA	
	11/05/13	25.0	1.8	0.5 U	1.8	
	11/12/13	24.0	NA	NA	NA	
11/19/13	22.0	NA	NA	NA		
12/03/13	26.0	2.0	0.5 U	1.9		
12/10/13	27.0	NA	NA	NA		
12/17/13	29.0	NA	NA	NA		
12/23/13	27.0	NA	NA	NA		
WELL 05	2/12/13	21.0	1.9	0.6	1.7	
	2/19/13	23.0	NA	NA	NA	
	2/26/13	20.0	NA	NA	NA	
	2/28/13	NA	2.3	0.6	1.8	
	3/05/13	19.0	1.9	0.6	1.9	

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
LINCOLN AVENUE WATER CO. (con't)	WELL 05 (con't)	3/26/13	20.0	NA	NA	NA
		4/01/13	21.0	2.0	0.6	1.7
		4/09/13	20.0	NA	NA	NA
		4/16/13	20.0	NA	NA	NA
		4/23/13	20.0	NA	NA	NA
		5/07/13	18.0	2.0	0.6	1.9
		5/14/13	19.0	NA	NA	NA
		5/21/13	18.0	NA	NA	NA
		5/28/13	19.0	NA	NA	NA
		6/04/13	18.0	1.9	0.6	2.0
		6/11/13	17.0	NA	NA	NA
		6/18/13	16.0	NA	NA	NA
		6/25/13	17.0	NA	NA	NA
		7/02/13	16.0	2.0	0.7	1.9
		7/09/13	17.0	NA	NA	NA
		7/16/13	19.0	NA	NA	NA
		7/23/13	17.0	NA	NA	NA
		7/30/13	17.0	NA	NA	NA
		8/06/13	16.0	1.8	0.6	1.6
		8/13/13	17.0	NA	NA	NA
		8/20/13	16.0	NA	NA	NA
		8/27/13	17.0	NA	NA	NA
		9/03/13	18.0	1.9	0.6	1.8
		9/10/13	16.0	NA	NA	NA
		9/17/13	16.0	NA	NA	NA
		9/24/13	16.0	NA	NA	NA
		11/05/13	15.0	1.5	0.5 U	1.5
		11/12/13	14.0	NA	NA	NA
11/19/13	14.0	NA	NA	NA		
11/26/13	15.0	NA	NA	NA		
12/04/13	14.0	1.5	0.5	1.3		
12/10/13	14.0	NA	NA	NA		
12/17/13	16.0	NA	NA	NA		
12/23/13	13.0	NA	NA	NA		
RUBIO CANON LAND & WATER ASSOCIATION	WELL 04	2/11/13	4.0 U	NA	NA	NA
		2/19/13	4.0 U	NA	NA	NA
		2/25/13	4.0 U	NA	NA	NA
		3/04/13	4.0 U	NA	NA	NA
		3/11/13	4.0 U	NA	NA	NA
		3/18/13	4.0 U	NA	NA	NA
		3/25/13	4.0 U	NA	NA	NA
		4/01/13	4.0 U	NA	NA	NA
		4/08/13	4.0 U	NA	NA	NA
		4/15/13	4.0 U	NA	NA	NA
		4/22/13	4.0 U	NA	NA	NA
		5/13/13	4.0 U	NA	NA	NA
		5/20/13	4.0 U	NA	NA	NA
		5/28/13	4.0 U	NA	NA	NA
6/03/13	4.0 U	NA	NA	NA		
6/10/13	4.0 U	NA	NA	NA		

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE	
RUBIO CANON LAND & WATER ASSOCIATION (con't)	WELL 04 (con't)	6/17/13	4.0 U	NA	NA	NA	
		6/24/13	4.0 U	NA	NA	NA	
		7/01/13	4.0 U	NA	NA	NA	
		7/08/13	4.0 U	NA	NA	NA	
		7/15/13	4.0 U	NA	NA	NA	
		7/22/13	4.0 U	NA	NA	NA	
		7/29/13	4.0 U	NA	NA	NA	
		8/05/13	4.0 U	NA	NA	NA	
		8/12/13	4.0 U	NA	NA	NA	
		8/19/13	4.0 U	NA	NA	NA	
		8/26/13	4.0 U	NA	NA	NA	
		9/03/13	4.0 U	NA	NA	NA	
		9/09/13	4.0 U	NA	NA	NA	
		9/16/13	4.0 U	NA	NA	NA	
		9/19/13	4.0 U	NA	NA	NA	
		9/23/13	4.0 U	NA	NA	NA	
		11/04/13	4.0 U	NA	NA	NA	
		11/12/13	4.0 U	NA	NA	NA	
		11/18/13	4.0 U	NA	NA	NA	
		11/25/13	4.0 U	NA	NA	NA	
	12/02/13	4.0 U	NA	NA	NA		
	12/09/13	4.0 U	NA	NA	NA		
	12/16/13	4.0 U	NA	NA	NA		
	12/23/13	4.0 U	NA	NA	NA		
		WELL 07	2/11/13	4.0 U	NA	NA	NA
			2/19/13	4.0 U	NA	NA	NA
			2/25/13	4.0 U	NA	NA	NA
			3/04/13	4.0 U	NA	NA	NA
			3/11/13	4.0 U	NA	NA	NA
			3/18/13	4.0 U	NA	NA	NA
			3/25/13	4.0 U	NA	NA	NA
			4/01/13	4.0 U	NA	0.5 U	NA
			4/08/13	4.0 U	NA	NA	NA
			4/15/13	4.0 U	NA	NA	NA
			4/22/13	4.0 U	NA	NA	NA
	5/28/13		4.0 U	NA	NA	NA	
	6/03/13		4.0 U	NA	NA	NA	
	6/10/13		4.0 U	NA	NA	NA	
	6/17/13		4.0 U	NA	NA	NA	
	6/24/13	4.0 U	NA	NA	NA		
	7/01/13	4.0 U	NA	0.5	NA		
	7/08/13	4.0 U	NA	NA	NA		
	7/15/13	4.0 U	NA	NA	NA		
	7/22/13	4.0 U	NA	NA	NA		
	7/29/13	4.0 U	NA	NA	NA		
	8/05/13	4.0 U	NA	NA	NA		
	8/12/13	4.0 U	NA	NA	NA		
	8/19/13	4.0 U	NA	NA	NA		
	8/26/13	4.0 U	NA	NA	NA		
	9/03/13	4.0 U	NA	NA	NA		



Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
RUBIO CANON LAND & WATER ASSOCIATION (con't)	WELL 07 (con't)	9/09/13	4.0 U	NA	NA	NA
		9/16/13	4.0 U	NA	NA	NA
		9/19/13	4.0 U	NA	NA	NA
		9/23/13	4.0 U	NA	NA	NA
LAS FLORES WATER CO.	WELL 02	2/11/13	5.2	NA	0.5 U	NA
		2/19/13	4.7	NA	0.5 U	NA
		3/11/13	5.3	NA	0.5 U	NA
		3/18/13	5.9	NA	0.5 U	NA
		3/25/13	6.4	NA	0.5 U	NA
		4/01/13	5.2	NA	0.5 U	NA
		4/08/13	5.6	NA	0.5 U	NA
		4/15/13	5.3	NA	0.5 U	NA
		4/22/13	5.6	NA	0.5 U	NA
		5/13/13	5.0	NA	0.5 U	NA
		5/20/13	4.5	NA	0.5 U	NA
		5/28/13	5.5	NA	0.5 U	NA
		6/03/13	5.2	NA	0.5 U	NA
		6/10/13	4.9	NA	0.5 U	NA
		6/17/13	4.7	NA	0.5 U	NA
		6/24/13	4.0	NA	0.5 U	NA
		7/01/13	4.0 U	NA	0.5	NA
		7/08/13	4.3	NA	0.5 U	NA
		7/15/13	4.0 U	NA	0.5	NA
		7/22/13	4.0	NA	0.6	NA
		7/29/13	4.5	NA	0.6	NA
		8/05/13	4.0	NA	0.5 U	NA
		8/12/13	5.2	NA	0.6	NA
		8/19/13	5.6	NA	0.5	NA
		8/26/13	5.3	NA	0.6	NA
		9/03/13	5.5	NA	0.6	NA
		9/09/13	5.7	NA	0.8	NA
		9/16/13	4.8	NA	0.7	NA
		9/23/13	5.2	NA	0.7	NA
		11/04/13	5.1	NA	1.2	NA
		11/11/13	4.8	NA	1.3	NA
		11/18/13	4.6	NA	1.3	NA
11/25/13	4.3	NA	1.5	NA		
12/02/13	4.0 U	NA	1.5	NA		
12/09/13	4.8	NA	1.7	NA		
12/16/13	4.9	NA	1.7	NA		
12/23/13	4.8	NA	1.8	NA		
LA CANADA IRRIGATION DIST.	WELL 01	2/19/13	4.0	NA	NA	NA
		3/11/13	4.9	0.5 U	0.8	2.2
		5/20/13	4.0 U	NA	NA	NA
		6/10/13	NA	NA	0.6	1.7
		8/19/13	4.0 U	NA	NA	NA
		9/03/13	NA	NA	0.7	1.9
		11/25/13	4.0 U	NA	NA	NA
	WELL 06	3/03/13	NA	NA	0.5 U	0.6
	6/17/13	NA	NA	0.5 U	0.8	

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
LA CANADA IRRIGATION DIST. (con't)	WELL 06 (con't)	7/29/13	4.0 U	NA	NA	NA
		9/09/13	NA	NA	0.5 U	0.5 U
VALLEY WATER CO.	WELL 01	5/07/13	NA	0.5 U	1.6	0.5 U
		6/03/13	4.0 U	NA	NA	NA
		6/10/13	NA	0.5 U	1.5	1.1
		7/02/13	4.5	0.5 U	2.2	1.2
		8/06/13	4.0 U	0.5 U	0.5 U	0.5 U
		9/03/13	5.2	0.5 U	1.8	1.3
		10/03/13	4.0 U	0.5 U	1.8	1.5
	WELL 02	2/13/13	4.0	0.5	0.5	0.5
		5/07/13	NA	0.5 U	3.8	0.5
		6/10/13	4.0 U	0.5 U	3.4	0.5
		7/02/13	4.1	0.5 U	4.3	0.6
		8/06/13	4.0 U	0.5 U	0.5 U	0.5 U
		9/03/13	5.3	0.5 U	2.2	0.8
		10/03/13	4.0 U	0.5 U	1.5	0.9
	WELL 03	5/07/13	NA	0.5 U	1.5	1.1
		6/10/13	4.2	0.5 U	1.2	1.1
		7/02/13	4.9	0.5 U	1.6	1.2
		8/06/13	4.0 U	0.5 U	0.5 U	0.5 U
		9/03/13	4.1	NA	NA	NA
	WELL 04	5/07/13	NA	0.5 U	1.3	1.7
		6/03/13	4.0 U	NA	NA	NA
		6/10/13	NA	0.5 U	1.4	1.3
		7/02/13	4.1	0.5 U	2.0	1.5
		8/06/13	4.0 U	0.5 U	0.5 U	0.5 U
		9/03/13	4.6 U	NA	NA	NA
PASADENA-CITY, WATER DEPT.	ARROYO	2/13/13	37.4	3.0	0.5 U	0.6
		2/19/13	41.2	3.2	0.5 U	0.6
		2/26/13	40.3	2.8	0.5 U	0.6
		3/05/13	36.0	2.7	0.5 U	0.6
		3/12/13	39.7	2.6	0.5 U	0.6
		3/19/13	42.1	2.4	0.5 U	0.6
		3/26/13	38.6	2.7	0.5 U	0.6
		4/02/13	43.0	2.3	0.5 U	0.6
		4/10/13	44.6	2.2	0.5 U	0.6
		4/16/13	37.4	2.4	0.5 U	0.6
		4/23/13	35.0	2.3	0.5 U	0.6
		4/30/13	34.6	2.0	0.5 U	0.5
		5/07/13	45.5	2.2	0.5 U	0.6
		5/14/13	31.4	1.7	0.5 U	0.5
		5/22/13	31.7	1.9	0.5 U	0.6
		5/28/13	28.5	2.8	0.5 U	0.6
		6/04/13	29.6	2.7	0.5 U	0.6
		6/11/13	30.2	2.1	0.5 U	0.6
		6/18/13	31.4	1.7	0.5 U	0.6
		6/25/13	25.7	1.7	0.5 U	0.6
7/02/13	28.1	1.5	0.5 U	0.6		
7/09/13	27.8	1.1	0.5 U	0.5		
7/16/13	28.2	1.7	0.5 U	0.6		

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
PASADENA-CITY, WATER DEPT. (con't)	ARROYO (con't)	7/23/13	27.0	1.5	0.5 U	0.6
		8/02/13	28.5	1.6	0.5 U	0.6
		8/06/13	28.7	1.7	0.5 U	0.7
		8/13/13	29.9	1.5	0.5 U	0.6
		8/20/13	26.9	2.4	0.5 U	0.6
		8/27/13	29.6	2.3	0.5 U	0.6
		9/03/13	26.1	1.9	0.5 U	0.7
		9/10/13	28.5	1.5	0.5 U	0.7
		9/17/13	27.2	2.0	0.5 U	0.7
		9/24/13	23.9	1.7	0.5 U	0.7
		11/05/13	28.3	1.4	0.5 U	0.6
		11/13/13	28.9	1.8	0.5 U	0.6
		11/19/13	26.2	1.8	0.5 U	0.7
		11/26/13	23.9	1.8	0.5 U	0.7
		12/03/13	24.4	1.6	0.5 U	0.6
		12/10/13	25.1	1.7	0.5 U	0.6
		12/17/13	24.3	1.9	0.5 U	0.7
		12/24/13	25.1	1.7	0.5 U	0.7
	12/31/13	24.8	1.7	0.5 U	0.8	
	VENTURA	4/10/13	5.5	0.5 U	1.0	4.2
		8/14/13	5.9	0.5 U	0.8	4.2
		9/10/13	5.5	0.5 U	1.0	4.6
		11/19/13	4.2	0.5 U	1.0	4.3
		12/19/13	4.6	0.5 U	1.0	4.5
	WELL 52	2/13/13	8.2	0.5 U	0.5 U	1.3
		2/19/13	9.0	0.5 U	0.5	1.3
		2/26/13	8.4	0.5 U	0.5 U	1.3
		3/05/13	7.5	0.5 U	0.5 U	1.2
		3/12/13	6.0	0.5 U	0.5 U	1.3
		3/19/13	11.4	0.5 U	0.5 U	1.3
		3/26/13	6.3	0.5 U	0.5 U	1.4
		4/02/13	9.7	0.5 U	0.5	1.4
		4/10/13	10.1	0.5 U	0.5 U	1.4
		8/14/13	7.5	0.5 U	0.8	4.2
		9/10/13	8.0	0.5 U	0.7	2.4
		9/17/13	7.7	0.5 U	0.6	2.2
		9/24/13	6.9	0.5 U	0.6	2.2
		11/05/13	6.8	0.5 U	0.5 U	1.7
		11/13/13	6.5	0.5 U	0.6	2.1
		11/19/13	6.3	0.5 U	0.6	2.1
		11/26/13	5.8	0.5 U	0.6	2.1
		12/03/13	6.3	0.5 U	0.6	2.0
12/10/13		6.0	0.5 U	0.6	2.1	
12/17/13	5.7	0.5 U	0.7	2.3		

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
PASADENA-CITY, WATER DEPT. (con't)	WELL 52 (con't)	12/24/13	6.1	0.5 U	0.7	2.3
		12/31/13	5.6	0.5 U	0.6	2.1
	WINDSOR	7/09/13	4.0 U	NA	NA	NA
		7/23/13	NA	0.5 U	0.5 U	0.5 U
California Maximum Contaminant Level (MCL)			6.0	0.5	5.0	5.0
EPA Region IX Maximum Contaminant Level			NE	5.0	5.0	5.0

**Notes**

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