



# Technical Memorandum

## First Quarter 2022 Groundwater Monitoring Summary

### National Aeronautics and Space Administration

### Jet Propulsion Laboratory, Pasadena, California

Final

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This technical memorandum summarizes the results of the first quarter 2022 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 2022 groundwater sampling event was conducted from January 28 through February 18, 2022.

## INTRODUCTION

During the first quarter 2022 sampling event, groundwater samples were collected from 14 of 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. In select wells, chloride, nitrate, sulfate, nitrite, and orthophosphate were also analyzed. Figure 1 shows the locations of the groundwater monitoring wells.

Groundwater samples were shipped to BC Laboratories, Inc. (acquired by Pace Analytical in October 2021), in Bakersfield, California, for chemical analysis. BC Laboratories, Inc. is certified by the State Water Resources Control Board (SWRCB). 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 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 from the last five sampling events. Table 3 summarizes VOC and perchlorate concentrations in production wells located near the JPL facility from the last five sampling events. No tentatively identified compounds (TICs) were detected in the samples collected during the first quarter of 2022.

Figures summarizing the results from the first quarter 2022 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 from the first quarter 2022 event and groundwater flow directions.

Attachment 1 summarizes the field and laboratory quality assurance (QA), data verification and data validation procedures utilized for the JPL groundwater monitoring program. Attachment 2 contains the data validation reports performed by an independent subcontractor, Laboratory Data Consultants, Inc., of

<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.

Carlsbad, California. Attachment 3 contains the laboratory analytical reports prepared by BC Laboratories, Inc. Attachment 4 contains the groundwater sample collection field logs for the JPL groundwater monitoring wells. Attachment 5 contains water level field measurement log sheets. Attachment 6 presents time series plots for select wells and analytes. Attachment 7 presents historical perchlorate, VOC, and metals concentrations from 1996 to present. A summary of the well construction details for the JPL groundwater monitoring wells is included in Attachment 8.

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 are only sampled during the second and fourth quarter events]); and
- Off-facility wells (MW-17, MW-18, MW-19, MW-20, MW-21, MW-25, and MW-26).

MW-2 was decommissioned in July 2018. Well MW-2 had 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-13, MW-16, and MW-24, which are located within the treatment zone. Additional details regarding chemical concentrations in the on-facility source area wells are presented below.

It should be noted that during the first quarter 2022, MW-7, MW-13, and MW-16 were dry and therefore not sampled. Declining water levels are associated with the drought in California.

### **PERCHLORATE ANALYTICAL RESULTS**

- During the first quarter 2022, perchlorate was detected above the state MCL (6.0 µg/L) in well MW-24 (Screen 1 [164.0 µg/L]) and below the state MCL (6.0 µg/L) in well MW-24 (Screen 2 [5.2 µg/L]).
- During the first quarter 2022, perchlorate was not detected in MW-24 (Screen 3) with a reporting limit of 2.0 µg/L.
- Perchlorate concentrations increased from the fourth quarter 2021 to the first quarter 2022 in MW-24 (Screen 1 [21.2 µg/L to 164.0 µg/L]).
- Perchlorate concentrations decreased from the fourth quarter 2021 to the first quarter 2022 in MW-24 (Screen 2 [11.5 µg/L to 5.2 µg/L]).

- Perchlorate concentrations remained non-detect in MW-24 (Screen 3) from fourth quarter 2021 to first quarter 2022.

### VOC ANALYTICAL RESULTS

- During the first quarter 2022, carbon tetrachloride was detected above the state MCL (0.5 µg/L) in MW-24 (Screen 1 [2.3 µg/L]). No other carbon tetrachloride detections occurred in the on-facility source area wells that were sampled with a reporting limit of 0.5 µg/L.
- During the first quarter 2022, TCE was detected below the state and federal MCL (5.0 µg/L) in MW-24 (Screen 1 [0.3] µg/L). 'J' qualifier indicates an estimated concentration. No other TCE detections occurred in the on-facility source area wells that were sampled with a reporting limit of 0.5 µg/L.
- During the first quarter 2022, PCE was detected below the state MCL (5.0 µg/L) in MW-24 (Screen 1 [1.6 µg/L]). No other PCE detections occurred in the on-facility source area wells that were sampled.

### OTHER NOTABLE ANALYTICAL RESULTS

- During the first quarter 2022, Cr(VI)<sup>2</sup> was detected below the state MCL (50.0 µg/L) in MW-24 (Screens 1, 2 and 4 [1.10 µg/L, 0.31 µg/L, and 0.11] µg/L, respectively). All other Cr (VI) results were non-detect in the on-facility source area wells that were sampled for metals.
- During the first quarter 2022, total chromium was detected below the state MCL (50.0 µg/L) and federal MCL (100.0 µg/L) in MW-24 (Screens 1 through 4 [5.6 µg/L, 0.8] µg/L, 0.9] µg/L, and 2.5] µg/L, respectively).

### 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.

It should be noted that during first quarter 2022, MW-6, MW-8, and MW-23 (Screen 1) were dry, and no samples were collected.

### PERCHLORATE ANALYTICAL RESULTS

- During the first quarter 2022, perchlorate was detected above the state MCL (6.0 µg/L) in well MW-22 (Screen 1 [17.6 µg/L]).
- During the first quarter 2022, perchlorate was detected below the state MCL (6.0 µg/L) in MW-22 (Screens 2 and 3 [3.7 µg/L, and 3.5 µg/L, respectively]), and MW-23 (Screens 2 and 3 [5.0 µg/L and 3.9 µg/L, respectively]).
- Perchlorate concentrations in MW-22 (Screen 1) were detected at concentrations above the MCL in the third quarter 1998 (6.4 µg/L) and first quarter 1999 (6.4 µg/L), all four quarters of 2011 (22.9 µg/L, 40.1 µg/L, 98.7 µg/L, and 85.2 µg/L, respectively) and second quarter 2012

<sup>2</sup> On August 1, 2017, the State Water Resources Control Board (SWRCB) removed the previously adopted MCL for Cr(VI). See [https://www.waterboards.ca.gov/press\\_room/press\\_releases/2017/pr080117\\_mcl\\_removal.pdf](https://www.waterboards.ca.gov/press_room/press_releases/2017/pr080117_mcl_removal.pdf).

(6.5 µg/L). From third quarter 2012 through first quarter 2019 perchlorate concentrations ranged from non-detect to 5.6 µg/L. From second quarter 2019 to fourth quarter 2020, perchlorate has exceeded the MCL in six of seven quarters ranging from 64.0 µg/L to 320.0 µg/L. Perchlorate remained below the MCL in MW-22 (Screen 1) in the first and second quarters of 2021 at concentrations ranging from 3.4J µg/L to 3.9J µg/L. During the third and fourth quarters of 2021, MW-22 (Screen 1) was dry and could not be sampled. MW-22 is located within the capture zone of the Monk Hill Treatment System (MHTS). Concentrations of perchlorate in MW-22 (Screen 1) will continue to be monitored closely.

- Perchlorate concentrations increased from their respective last sampling event to the first quarter 2022 in MW-22 (Screens 1 [3.9J µg/L to 17.6 µg/L], and 2 [2.8 µg/L to 3.7 µg/L]).
- Perchlorate concentrations decreased from their respective last sampling event to the first quarter 2022 in MW-22 (Screen 3 [3.6 µg/L to 3.5 µg/L]) and MW-23 (Screens 2 [6.1 µg/L to 5.0 µg/L], and 3 [4.8 µg/L to 3.9 µg/L]).
- Perchlorate concentrations remained unchanged (non-detect) in MW-11 (Screens 1 through 4).

### VOC ANALYTICAL RESULTS

- During the first quarter 2022, carbon tetrachloride was not detected in the other on-facility wells that were sampled with a reporting limit of 0.5 µg/L.
- During the first quarter 2022, TCE was detected below the state and federal MCL (5.0 µg/L) in MW-11 (Screens 3 and 4 [0.5 µg/L, and 0.6 µg/L, respectively]), MW-22 (Screen 1 [0.4J µg/L], and MW-23 (Screens 2 [2.2 µg/L]). No other TCE detections occurred in the remaining other on-facility wells that were sampled during the first quarter 2022.
- During the first quarter 2022, PCE was detected below the state and federal MCL (5.0 µg/L) in MW-23 (Screen 2 [1.0 µg/L]). No other PCE detections occurred in the remaining other on-facility wells that were sampled during the first quarter 2022.

### OTHER NOTABLE ANALYTICAL RESULTS

- During the first quarter 2022, Cr(VI) was detected below the state MCL (50.0 µg/L) in MW-11 (Screens 1 through 3 [0.10J µg/L, 0.08J µg/L, and 0.07J µg/L, respectively]), MW-22 (Screens 1 through 3 [0.72 µg/L, 1.40 µg/L and 2.10 µg/L, respectively]), and MW-23 (Screens 2 through 4 [1.50 µg/L, 2.80J µg/L, and 4.10 µg/L, respectively]). Cr(VI) was not detected in the remaining other on-facility wells that were sampled during the first quarter 2022.
- During the first quarter 2022, total chromium was detected below the state MCL (50.0 µg/L) in MW-11 (Screen 3 [0.6J µg/L]), MW-22 (Screens 1 through 3 [1.8J µg/L, 2.3J µg/L and 2.4J µg/L, respectively]), and MW-23 (Screens 2 through 4 [1.8J µg/L, 3.1 µg/L, 3.9 µg/L, respectively]). No other total chromium detections occurred in the remaining other on-facility wells that were sampled during the first quarter 2022.

### PERIMETER OFF-FACILITY WELLS

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



It should be noted that during the first quarter 2022, MW-5, MW-10, and MW-14 (Screen 1) were dry and not sampled. In addition, MW-12 (Screens 1 through 5) could not be sampled due to an issue with the multiport casing.

#### PERCHLORATE ANALYTICAL RESULTS

- During the first quarter 2022, perchlorate was detected above the state MCL (6.0 µg/L) in well MW-4 (Screen 2 [49.9 µg/L]), and MW-14 (Screens 2 [6.5 µg/L] and 3 [12.0 µg/L]).
- Perchlorate was detected below the state MCL (6.0 µg/L) in MW-3 (Screens 3 and 4 [1.0] and 1.1] µg/L, respectively), and MW-14 (Screens 4 and 5 [4.0 µg/L, and 3.9] µg/L, respectively)).
- During the first quarter 2022, perchlorate was not detected in MW-3 (Screen 2), and MW-4 (Screen 1) with a reporting limit of 4.0 µg/L.
- Perchlorate concentrations increased from their respective last sampling event to the first quarter 2022 in MW-14 (Screens 2 [4.3 µg/L to 6.5 µg/L], 3 [5.1 µg/L to 12.0 µg/L], and 5 [non-detect to 3.9] µg/L).
- Perchlorate concentrations decreased from their respective last sampling event to the first quarter 2022 in MW-3 (Screens 2 [1.4] µg/L to non-detect], 3 [3.7 µg/L to 1.0] µg/L], and 4 [3.7 µg/L to 1.1] µg/L]), MW-4 (Screens 2 [59.1 µg/L to 49.9 µg/L], and 3 [3.0 µg/L to non-detect]), and MW-14 (Screen 4 [4.6 µg/L to 4.0 µg/L]).
- Perchlorate concentrations remained unchanged (non-detect) from their respective last sampling event to the first quarter 2022 sampling event in MW-4 (Screen 1).
- The perchlorate concentration of 49.9 µg/L in MW-4 (Screen 2) during the first quarter 2022 continues to be down from the high detection of 250.0 µg/L (third quarter 2013). Since the first quarter 2011, concentrations have exceeded the state MCL (6.0 µg/L) (ranging from 6.5 µg/L to 250.0 µg/L) with thirteen exceptions: first, third, and fourth quarters of 2015, all four quarters of 2016 and 2017, and first and third quarters of 2018. Perchlorate concentrations in MW-4 (Screen 2) increased from fourth quarter 2018 (9.9 µg/L) to first quarter 2020 (51.0 µg/L) and have remained relatively stable between fourth quarter of 2020 and first quarter 2022 ranging from 65.0 µg/L (second quarter 2021) to 38.0 µg/L (fourth quarter 2020). Perchlorate concentrations will continue to be closely monitored since MW-4 is within the capture zone of the MHTS.

#### VOC ANALYTICAL RESULTS

- During the first quarter 2022, carbon tetrachloride was not detected in perimeter off-facility wells that were sampled with a reporting limit of 0.5 µg/L.
- During the first quarter 2022, TCE was below the state and federal MCL (5.0 µg/L) in MW-4 (Screens 2 and 3 [0.4] µg/L, and 0.2] µg/L, respectively]), and MW-14 (Screens 2 through 4 [1.8 µg/L, 1.2 µg/L, and 0.3] µg/L, respectively)). No other TCE detections occurred in the perimeter off-facility wells that were sampled during the first quarter 2022.
- During the first quarter 2022, PCE was detected below the state and federal MCL (5.0 µg/L) in MW-14 (Screens 2 through 4 [0.6 µg/L, 0.9 µg/L and 0.3] µg/L, respectively)). No other PCE

detections occurred in the perimeter off-facility wells that were sampled during the first quarter 2022.

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

- During the first quarter 2022, Cr(VI) was detected below the state MCL (50.0 µg/L) in MW-3 (Screens 2 through 4 [0.62 µg/L, 0.69 µg/L, and 0.61 µg/L, respectively]), MW-4 (Screens 1 and 2 [0.20 µg/L, and 1.60 µg/L, respectively]), MW-14 (Screen 3 [0.24 µg/L]), and MW-15 (0.69 µg/L). No other Cr(VI) detections occurred in the perimeter off-facility wells that were sampled during the first quarter 2022.
- During the first quarter 2022, total chromium was detected above the state MCL (50.0 µg/L) in MW-3 (Screen 4 [61.0 µg/L]) and below the state MCL (50.0 µg/L) in MW-3 (Screens 2 and 3 [1.0J µg/L and 6.3 µg/L, respectively]), MW-4 (Screens 2 and 3 [1.9J µg/L, and 0.8J µg/L, respectively]), MW-14 (Screens 2 and 3 [0.9J µg/L, each]), and MW-15 (3.5J µg/L). No other total chromium detections occurred in the perimeter off-facility wells that were sampled during the first quarter 2022.
- The total chromium detection of 61.0 µg/L in MW-3 (Screen 4) during the first quarter 2022 sampling event is only the fourth detection at concentrations above the state MCL (50.0 µg/L) since the third quarter 1996. The other detections above the state MCL were the first quarter 2015 (75.1 µg/L), fourth quarter 2019 (95.0 µg/L), and first quarter 2020 (64.0 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. 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 perchlorate treatment system began in July 2004.

It should be noted that during first quarter 2022, MW-20 (Screen 1), MW-21 (Screen 1), and MW-26 (Screen 1) were dry and not sampled.

#### **PERCHLORATE ANALYTICAL RESULTS**

- During the first quarter 2022 sampling event, concentrations of perchlorate above the state MCL (6.0 µg/L) were reported in samples collected from wells MW-17 (Screen 2 [8.5 µg/L]), MW-18 (Screens 2 and 4 [16.7 µg/L, and 12.8 µg/L, respectively]), MW-25 (Screens 1 through 4 [8.3 µg/L, 13.4 µg/L, 11.4 µg/L, and 9.5 µg/L, respectively]), and MW-26 (Screen 2 [17.5 µg/L]).
- During the first quarter 2022 sampling event, concentrations of perchlorate below the state MCL (6.0 µg/L) were reported in samples collected from wells MW-17 (Screens 3 and 4 [1.9J µg/L, and 4.9 µg/L, respectively]), MW-18 (Screen 5 [5.9 µg/L]), MW-19 (Screens 2 through 5 [3.4 µg/L, 4.6 µg/L, 3.5 µg/L, and 3.2 µg/L, respectively]), and MW-21 (Screens 2 through 5 [1.7J µg/L, 3.0J µg/L, 3.0J µg/L, and 2.7J µg/L, respectively]).
- During the first quarter 2022, concentrations of perchlorate were not detected in MW-18 (Screen 3), MW-19 (Screen 1), MW-20 (Screens 2 through 5), and MW-25 (Screen 5) with a reporting limit of 2.0 µg/L.

- Perchlorate concentrations increased from their respective last sampling event to the first quarter 2022 in MW-17 (Screens 2 [2.1 µg/L to 8.5 µg/L], 3 [1.5] µg/L to 1.9] µg/L], and 4 [4.3 µg/L to 4.9 µg/L]), MW-18 (Screens 2 [non-detect to 16.7 µg/L], and 5 [non-detect to 5.9 µg/L]), MW-19 (Screen 3 [4.0 µg/L to 4.6 µg/L]), MW-21 (Screen 4 [2.9 µg/L to 3.0] µg/L]), MW-25 (Screens 1 [7.6 µg/L to 8.3 µg/L], 2 [12.0 µg/L to 13.4 µg/L], 3 [10.2 µg/L to 11.4 µg/L], and 4 [9.0 µg/L to 9.5 µg/L]), and MW-26 (Screen 2 [4.0 µg/L to 17.5 µg/L]).
- Perchlorate concentrations decreased from the fourth quarter 2021 to the first quarter 2022 in MW-18 (Screens 3 [1.1] µg/L to non-detect], and 4 [15.8 µg/L to 12.8 µg/L]), MW-19 (Screens 2 [3.6 µg/L to 3.4 µg/L], 4 [3.7 µg/L to 3.5 µg/L], and 5 [3.5 µg/L to 3.2 µg/L]), and MW-21 (Screens 2 [2.6 µg/L to 1.7] µg/L], 3 [3.8 µg/L to 3.0] µg/L ], and 5 [2.9 µg/L to 2.7] µg/L]).
- Perchlorate concentrations remained non-detect from the fourth quarter 2021 to the first quarter 2022 in MW-19 (Screen 1), MW-20 (Screens 2 through 5), and MW-25 (Screen 5).
- Perchlorate concentrations in MW-17 (Screen 3) have remained relatively stable since 2011 with concentrations ranging from non-detect to 8.5 µg/L. MW-17 is located within the capture zone of the LAWC treatment system.
- The perchlorate concentration of 4.9 µg/L in MW-17 (Screen 4) is the twenty-ninth detection below the state MCL (6.0 µg/L) since the first quarter 2015. From the third quarter 2002 to the fourth quarter 2012, 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]). From the first quarter 2013 through the fourth quarter 2014, the perchlorate concentrations in MW-17 (Screen 4) exceeded the state MCL in seven of the eight quarters with exceedances ranging from 6.8 µg/L to 18.0 µg/L. From the first quarter 2015 to the first quarter 2022 sampling events, perchlorate in MW-17 (Screen 4) remained below the state MCL (6.0 µg/L) with concentrations ranging from non-detect (first quarter 2017) to 5.4 µg/L (fourth quarter 2020). The changes in perchlorate concentrations at MW-17 (Screen 4) are believed to be associated with changes in groundwater flow associated with operation of NASA's mid-plume treatment system, which began operation in 2011.
- Perchlorate concentrations in MW-18 (Screen 3) have been below the state MCL (6.0 µg/L) since third quarter 2017 ranging from 4.6 µg/L (second quarter 2012) to non-detect (first quarter 2020, third quarter 2021, and first quarter 2022). From the fourth quarter 2005 to second quarter 2017 perchlorate concentrations in MW-18 (Screen 3) were above the state MCL (6.0 µg/L) ranging from 6.2 µg/L (second quarter 2017) to 144.0 µg/L (third quarter 2011) with one exception (non-detect [second quarter 2007]).
- Perchlorate concentrations in MW-20 (Screen 2) have exceeded the state MCL (6.0 µg/L) four times since it was first sampled and analyzed for perchlorate beginning in the second quarter 1997 (second quarter 2012 [6.4 µg/L], first quarter 2015 [7.0 µg/L], fourth quarter 2020 [9.8 µg/L], and second quarter 2021 [7.4 µg/L]). During the period from second quarter 1997 through third quarter 2007 (forty sampling events) perchlorate was not detected. Perchlorate was first detected in MW-20 (Screen 2) during the fourth quarter 2007 with a concentration of 3.7 µg/L. From fourth quarter 2007 through third quarter 2020 (excluding second quarter 2012 [6.4 µg/L] and first quarter 2015 [7.0 µg/L]), perchlorate was detected during forty-three of fifty-two sampling events with concentrations ranging from 0.9] µg/L to 5.2 µg/L. During the ten sampling events preceding the fourth quarter 2020, perchlorate concentrations ranged from 0.9 µg/L to 2.2 µg/L. Perchlorate has remained non-detect the last three sampling events (the second and third quarters 2021 and the first quarter 2022).

- During the period from the third quarter 2008 through first quarter 2012, perchlorate was detected in MW-20 (Screen 4) at concentrations exceeding the state MCL (6.0 µg/L) during seven of fifteen sampling events. Concentrations exceeding the state MCL ranged from 15.1 µg/L to 123.0 µg/L. Perchlorate was not detected during the remaining eight sampling events between third quarter 2008 and first quarter 2012. Perchlorate has not been detected in MW-20 (Screen 4) since the first quarter 2012 (40 sampling events).
- During the period from third quarter 2008 through first quarter 2012, perchlorate was detected in MW-20 (Screen 5) at concentrations exceeding the state MCL (6.0 µg/L) during seven of sixteen sampling events. During this time, perchlorate concentrations exceeding the state MCL ranged from 11.5 µg/L to 56.5 µg/L. Perchlorate was not detected during the remaining nine sampling events during this period with one exception (4.2 µg/L [second quarter 2011]). From the second quarter 2012 to first quarter 2022 (40 sampling events) perchlorate concentrations have remained non-detect in MW-20 (Screen 5).
- The perchlorate concentrations in MW-25 (Screens 1 through 4) have remained relatively stable above the state MCL (6.0 µg/L) ranging from 6.0 µg/L (Screen 1 [fourth quarter 2012 and first quarter 2018]) to 19.0 µg/L (Screen 4 first quarter 2013) with eight exceptions (Screen 1 [non-detect (first quarter 2005, and second quarter 2007), and (5.9 µg/L third quarter 2005)], Screen 2 [non-detect (first quarter 2005)], Screen 3 [non-detect (second quarter 2006)], and Screen 4 [non-detect (second and third quarters 2007), and (5.6 µg/L fourth quarter 2012)]).

## VOC ANALYTICAL RESULTS

- During the first quarter 2022, carbon tetrachloride was detected above the state MCL (0.5 µg/L) in MW-18 (Screen 4 [4.3 µg/L]) and below the state MCL (0.5 µg/L) in MW-18 (Screen 3 [0.2 µg/L]). No other carbon tetrachloride detections occurred in the remaining off-facility wells that were sampled during the first quarter 2022.
- Prior to third quarter 2018, the carbon tetrachloride concentrations in MW-18 (Screen 3) had exceeded the state MCL (0.5 µg/L) since the first quarter 2005 with concentrations ranging from 0.5 µg/L to 43.0 µg/L. Since third quarter 2018, carbon tetrachloride in MW-18 (Screen 3) has ranged from non-detect to 0.4 µg/L.
- Carbon tetrachloride detections in MW-18 (Screen 4) have exceeded the state MCL since the third quarter 1996 with one exception (non-detect [fourth quarter 2010]).
- During the first quarter 2022, TCE was detected below the state and federal MCL (5.0 µg/L) in MW-17 (Screens 3 and 4 [2.2 µg/L and 0.7 µg/L, respectively]), MW-18 (Screen 4 [1.6 µg/L]), MW-19 (Screens 2 through 5 [0.8 µg/L, 1.0 µg/L, 1.0 µg/L, and 0.7 µg/L, respectively]), MW-20 (Screen 2 [0.6 µg/L]), MW-21 (Screens 3 through 5 [2.0 µg/L, 0.6 µg/L, and 0.3 µg/L, respectively]), MW-25 (Screen 1 [0.3 µg/L]), and MW-26 (Screen 2 [0.3 µg/L]). No other TCE detections occurred in the remaining off-facility wells that were sampled during the first quarter 2022.
- During the first quarter 2022, PCE was detected in MW-17 (Screens 3 and 4 [0.3 µg/L, and 0.6 µg/L, respectively]), MW-18 (Screen 4 [1.2 µg/L]), MW-19 (Screens 2 through 5 [1.6 µg/L, 3.0 µg/L, 2.7 µg/L, and 2.1 µg/L, respectively]), MW-20 (Screens 2 and 3 [0.5 µg/L, and 0.7 µg/L, respectively]), MW-21 (Screens 2 through 5 [0.5 µg/L, 1.7 µg/L, 1.2 µg/L, and 1.8 µg/L, respectively]), MW-25 (Screens 2 and 3 [0.2 µg/L, and 2.1 µg/L, respectively]), and MW-26 (Screen 2 [2.0 µg/L]); however, no detections exceeded the state and federal MCL (5.0 µg/L).

PCE was not detected in the remaining off-facility wells that were sampled during the first quarter 2022.

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

- During the first quarter 2022, Cr(VI) was detected below the state MCL (50.0 µg/L) in MW-17 (Screen 4 [1.50 µg/L]), MW-18 (Screens 2 through 4 [0.19] µg/L, 1.80 µg/L, and 1.60 µg/L, respectively)), MW-20 (Screens 2 through 5 [0.08] µg/L, 0.17] µg/L, 0.25] µg/L, and 0.13] µg/L, respectively)), MW-21 (Screens 4 and 5 [1.30] µg/L, and 1.20] µg/L, respectively)), and MW-25 (Screens 2 and 3 [1.70] µg/L, and 1.60] µg/L, respectively)). Cr(VI) was not detected in the remaining off-facility wells that were sampled during the first quarter 2022.
- During the first quarter 2022, total chromium was detected below the state MCL (50.0 µg/L) in MW-17 (Screens 3 and 4 [1.6] µg/L, and 2.4] µg/L, respectively)), MW-18 (Screens 3 and 4 [2.0] µg/L, and 7.6 µg/L, respectively)), MW-20 (Screens 2 and 3 [1.1] µg/L, each)), MW-21 (Screens 4 and 5 [1.1] µg/L, and 1.5] µg/L, respectively)), MW-25 (Screens 1 through 5 [2.3] µg/L, 2.0] µg/L, 2.8] µg/L, 2.1] µg/L, and 1.6] µg/L, respectively)), and MW-26 (Screen 2 [1.5] µg/L)). Total chromium was not detected in the remaining off-facility wells that were sampled during the first quarter 2022.

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

- Comparing the fourth quarter 2021 to the first quarter 2022, groundwater elevations increased by an average of 8.05 feet.
- The shallow standpipe wells MW-5, MW-6, MW-7, MW-8, MW-10, MW-13, and MW-16 were dry and could not be sampled during the first quarter 2022. This is the fifth consecutive quarter in which MW-8 and MW-10 were dry. This is the sixth consecutive quarter in which wells MW-5 and MW-7 were dry. This is the seventh consecutive quarter in which wells MW-6, MW-13, and MW-16 were dry.
- The uppermost sampling port (i.e., Screen 1) in multi-port monitoring wells MW-14, MW-20, MW-21, MW-23, and MW-26 were dry and could not be sampled during the first quarter 2022. In addition, MW-17 (Screen 1) and MW-18 (Screen 1), which are only sampled during the second and fourth quarters but are measured for water levels during the first and third quarters, were also dry. This is the fifth consecutive quarter Screen 1 in wells MW-23 and MW-26 were dry. This is the sixth consecutive quarter in which Screen 1 in MW-17 was dry. This is the seventh consecutive quarter in which Screen 1 in wells MW-18 were dry. This is the tenth consecutive quarter in which Screen 1 in wells MW-14, MW-20, and MW-21 were dry.
- Groundwater elevations recorded in the JPL monitoring wells showed a steady decline from the first and second quarters of 2011 through the fourth quarter of 2014 at which time the levels approached and/or exceeded historic lows last recorded in 1996 and 1997. During the period between first quarter 2015 and first quarter 2022, groundwater elevations have fluctuated on a seasonal basis. As of first quarter 2022, groundwater levels remain approximately 82 feet below the second quarter 2011 elevations. Groundwater elevations will continue to be closely monitored.

- Groundwater level measurements collected during the first quarter 2022 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
  - Attachment 3: Laboratory Analytical Reports
  - 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)
  - Attachment 8: Summary of Construction Details for All JPL Groundwater Monitoring Wells
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## TABLES

**TABLE 1**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED DURING THE**  
**LAST FIVE SAMPLING EVENTS OF THE LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM**

(All concentrations reported in µg/L.)

(Shaded values exceed State or Federal MCL 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 |
|----------------------|----------------|---------------|----------------------|-------|-------|---------|---------|---------|-----------|------------|-------------|-------------------------------------------------------------------------|
| <b>MW-1</b>          |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-1                 | May/June 2021  | 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                 | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |
| <b>MW-3-Screen-1</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-3-Screen-1        | May/June 2021  | 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       |                                                                         |
| <b>MW-3-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-3-Screen-2        | Mar/Apr 2021   | 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        | May/June 2021  | 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        | July 2021      | 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      | 2.0 U       |                                                                         |
| MW-3-Screen-2        | Oct/Nov 2021   | 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      | 1.4 J       |                                                                         |
| MW-3-Screen-2        | Oct/Nov 2021   | DUP-1-4Q21    | 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 U         |                                                                         |
| MW-3-Screen-2        | Jan/Feb 2022   | 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       |                                                                         |
| <b>MW-3-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-3-Screen-3        | Mar/Apr 2021   | 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      | 2.3 J       |                                                                         |
| MW-3-Screen-3        | May/June 2021  | 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      | 1.4 J       |                                                                         |
| MW-3-Screen-3        | May/June 2021  | DUP-3-2Q21    | 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-3-Screen-3        | July 2021      | 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 J       |                                                                         |
| MW-3-Screen-3        | Oct/Nov 2021   | 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      | 3.7         |                                                                         |
| MW-3-Screen-3        | Jan/Feb 2022   | 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 J       |                                                                         |
| MW-3-Screen-3        | Jan/Feb 2022   | DUP-6-1Q22    | 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 J       |                                                                         |
| <b>MW-3-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-3-Screen-4        | Mar/Apr 2021   | 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      | 2.7 J       |                                                                         |
| MW-3-Screen-4        | May/June 2021  | 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      | 1.9 J       |                                                                         |
| MW-3-Screen-4        | July 2021      | 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      | 1.1 J       |                                                                         |
| MW-3-Screen-4        | Oct/Nov 2021   | 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      | 3.7         |                                                                         |
| MW-3-Screen-4        | Jan/Feb 2022   | 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      | 1.1 J       |                                                                         |
| <b>MW-3-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-3-Screen-5        | May/June 2021  | 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      | 1.7 J       |                                                                         |
| MW-3-Screen-5        | Oct/Nov 2021   | 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      | 3.1         |                                                                         |
| <b>MW-4-Screen-1</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-4-Screen-1        | Jan/Feb 2022   | 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       |                                                                         |
| <b>MW-4-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |



| 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-2         | Mar/Apr 2021   | MW-4-2        | 0.5 U                | 0.4 J | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.8        | 60.0        |                                                                         |       |
| MW-4-Screen-2         | May/June 2021  | MW-4-2        | 0.5 U                | 0.3 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.8        | 65.0        |                                                                         |       |
| MW-4-Screen-2         | July 2021      | MW-4-2        | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 53.0        |                                                                         |       |
| MW-4-Screen-2         | Oct/Nov 2021   | MW-4-2        | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 59.1        |                                                                         |       |
| MW-4-Screen-2         | Oct/Nov 2021   | DUP-3-4Q21    | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 57.2        |                                                                         |       |
| MW-4-Screen-2         | Jan/Feb 2022   | MW-4-2        | 0.5 U                | 0.4 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 49.9        |                                                                         |       |
| <b>MW-4-Screen-3</b>  |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-4-Screen-3         | Mar/Apr 2021   | 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      | 2.0 J       |                                                                         |       |
| MW-4-Screen-3         | May/June 2021  | MW-4-3        | 0.5 U                | 0.2 J | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 2.5 J       |                                                                         |       |
| MW-4-Screen-3         | July 2021      | 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      | 1.9 J       |                                                                         |       |
| MW-4-Screen-3         | Oct/Nov 2021   | 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      | 3.0         |                                                                         |       |
| MW-4-Screen-3         | Jan/Feb 2022   | MW-4-3        | 0.5 U                | 0.2 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 4.0 U       | Methylene chloride                                                      | 0.5 J |
| <b>MW-4-Screen-4</b>  |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-4-Screen-4         | May/June 2021  | MW-4-4        | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.1 J      | 2.5 J       |                                                                         |       |
| MW-4-Screen-4         | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |       |
| <b>MW-4-Screen-5</b>  |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-4-Screen-5         | May/June 2021  | 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 2021   | 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      | 2.0 U       |                                                                         |       |
| <b>MW-9</b>           |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-9                  | Oct/Nov 2020   | 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-9                  | Oct/Nov 2020   | DUP-7-4Q20    | 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-9                  | May/June 2021  | 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-9                  | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |       |
| <b>MW-11-Screen-1</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-11-Screen-1        | Mar/Apr 2021   | 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        | May/June 2021  | 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        | July 2021      | 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 2021   | 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        | Jan/Feb 2022   | 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       |                                                                         |       |
| <b>MW-11-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-11-Screen-2        | Mar/Apr 2021   | 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        | May/June 2021  | 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        | July 2021      | 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 2021   | 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 2021   | DUP-7-4Q21    | 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        | Jan/Feb 2022   | 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       |                                                                         |       |
| <b>MW-11-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-11-Screen-3        | Mar/Apr 2021   | 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                                                                 | 0.2 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-11-Screen-3        | May/June 2021  | MW-11-3       | 0.5 U                | 0.4 J | 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-3        | May/June 2021  | DUP-7-2Q21    | 0.5 U                | 0.2 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        | July 2021      | 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       | Carbon disulfide<br>Styrene                                             | 0.6<br>0.1 J |
| MW-11-Screen-3        | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |              |
| MW-11-Screen-3        | Jan/Feb 2022   | MW-11-3       | 0.5 U                | 0.5   | 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          |
| <b>MW-11-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |              |
| MW-11-Screen-4        | Mar/Apr 2021   | MW-11-4       | 0.5 U                | 0.3 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 4.0 U       |                                                                         |              |
| MW-11-Screen-4        | May/June 2021  | MW-11-4       | 0.5 U                | 0.4 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 4.0 U       |                                                                         |              |
| MW-11-Screen-4        | July 2021      | MW-11-4       | 0.5 U                | 0.5 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       | Styrene                                                                 | 0.1 J        |
| MW-11-Screen-4        | Oct/Nov 2021   | MW-11-4       | 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 U       |                                                                         |              |
| MW-11-Screen-4        | Jan/Feb 2022   | MW-11-4       | 0.5 U                | 0.6   | 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        |
| <b>MW-11-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |              |
| MW-11-Screen-5        | May/June 2021  | 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       |                                                                         |              |
| MW-11-Screen-5        | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |              |
| <b>MW-12-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |              |
| MW-12-Screen-2        | Mar/Apr 2021   | 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      | 1.0 J       |                                                                         |              |
| MW-12-Screen-2        | May/June 2021  | 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      | 1.1 J       |                                                                         |              |
| MW-12-Screen-2        | July 2021      | 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      | 1.3 J       |                                                                         |              |
| MW-12-Screen-2        | July 2021      | DUP-5-3Q21    | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 1.2 J       | Trichlorofluoromethane                                                  | 0.2 J        |
| MW-12-Screen-2        | Oct/Nov 2021   | 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      | 1.8 J       |                                                                         |              |
| MW-12-Screen-2        | Oct/Nov 2021   | DUP-4-4Q21    | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 1.8 J       |                                                                         |              |
| <b>MW-12-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |              |
| MW-12-Screen-3        | Mar/Apr 2021   | MW-12-3       | 0.7                  | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 2.9 J       |                                                                         |              |
| MW-12-Screen-3        | May/June 2021  | MW-12-3       | 1.0                  | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 3.1 J       |                                                                         |              |
| MW-12-Screen-3        | July 2021      | MW-12-3       | 1.5                  | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.8        | 2.8         |                                                                         |              |
| MW-12-Screen-3        | Oct/Nov 2021   | MW-12-3       | 0.4 J                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.2        | 1.2 J       |                                                                         |              |
| <b>MW-12-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |              |
| MW-12-Screen-4        | Mar/Apr 2021   | MW-12-4       | 0.5 J                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 2.7 J       |                                                                         |              |
| MW-12-Screen-4        | May/June 2021  | MW-12-4       | 1.5                  | 0.3 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 2.3 J       |                                                                         |              |
| MW-12-Screen-4        | July 2021      | MW-12-4       | 0.9                  | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 2.2         |                                                                         |              |
| MW-12-Screen-4        | Oct/Nov 2021   | MW-12-4       | 0.3 J                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.3 J      | 2.3         |                                                                         |              |
| <b>MW-12-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |              |
| MW-12-Screen-5        | Mar/Apr 2021   | MW-12-5       | 0.2 J                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 1.3 J       |                                                                         |              |
| MW-12-Screen-5        | May/June 2021  | 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      | 1.2 J       |                                                                         |              |
| MW-12-Screen-5        | July 2021      | MW-12-5       | 0.4 J                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.3 J      | 1.3 J       |                                                                         |              |
| MW-12-Screen-5        | Oct/Nov 2021   | MW-12-5       | 0.2 J                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.3 J      | 2.0         |                                                                         |              |
| <b>MW-14-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |              |

| 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-2        | Mar/Apr 2021   | MW-14-2       | 0.5 U                | 3.0   | 0.8   | 0.3 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.9        | 3.7 J       |                                                                         |       |
| MW-14-Screen-2        | May/June 2021  | MW-14-2       | 0.5 U                | 1.3   | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 J      | 3.4 J       |                                                                         |       |
| MW-14-Screen-2        | July 2021      | MW-14-2       | 0.5 U                | 1.3   | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5        | 2.8 J       |                                                                         |       |
| MW-14-Screen-2        | Oct/Nov 2021   | MW-14-2       | 0.5 U                | 1.0   | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 4.3         |                                                                         |       |
| MW-14-Screen-2        | Jan/Feb 2022   | MW-14-2       | 0.5 U                | 1.8   | 0.6   | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 6.5         |                                                                         |       |
| <b>MW-14-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-14-Screen-3        | Mar/Apr 2021   | MW-14-3       | 0.5 U                | 1.4 J | 1.0 J | 0.4 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 5.2         |                                                                         |       |
| MW-14-Screen-3        | Mar/Apr 2021   | DUP-2-1Q21    | 0.5 U                | 0.7 J | 0.4 J | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 4.9         |                                                                         |       |
| MW-14-Screen-3        | May/June 2021  | MW-14-3       | 0.5 U                | 0.7   | 0.4 J | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 4.3         |                                                                         |       |
| MW-14-Screen-3        | July 2021      | MW-14-3       | 0.5 U                | 0.7   | 0.4 J | 0.3 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 J      | 4.2 J       |                                                                         |       |
| MW-14-Screen-3        | Oct/Nov 2021   | MW-14-3       | 0.5 U                | 0.8   | 0.6   | 0.3 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 J      | 5.1         |                                                                         |       |
| MW-14-Screen-3        | Jan/Feb 2022   | MW-14-3       | 0.5 U                | 1.2   | 0.9   | 0.4 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 12.0        | 1,2,3-Trichlorobenzene                                                  | 0.2 J |
| <b>MW-14-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-14-Screen-4        | Mar/Apr 2021   | MW-14-4       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 4.1         |                                                                         |       |
| MW-14-Screen-4        | May/June 2021  | MW-14-4       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.1 J      | 4.9         |                                                                         |       |
| MW-14-Screen-4        | July 2021      | MW-14-4       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.1 J      | 4.5 J       |                                                                         |       |
| MW-14-Screen-4        | Oct/Nov 2021   | MW-14-4       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 4.6         |                                                                         |       |
| MW-14-Screen-4        | Jan/Feb 2022   | MW-14-4       | 0.5 U                | 0.3 J | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.3 J      | 4.0         |                                                                         |       |
| <b>MW-14-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-14-Screen-5        | Mar/Apr 2021   | 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-14-Screen-5        | May/June 2021  | 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        | July 2021      | 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      | 2.0 U       |                                                                         |       |
| MW-14-Screen-5        | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |       |
| MW-14-Screen-5        | Jan/Feb 2022   | 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      | 3.9 J       |                                                                         |       |
| <b>MW-15</b>          |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-15                 | May/June 2021  | 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 2021   | 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      | 2.0 U       |                                                                         |       |
| <b>MW-17-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-17-Screen-2        | Mar/Apr 2021   | 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        | May/June 2021  | 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        | May/June 2021  | DUP-5-2Q21    | 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        | July 2021      | 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      | 2.0 U       |                                                                         |       |
| MW-17-Screen-2        | Oct/Nov 2021   | 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      | 2.1         |                                                                         |       |
| MW-17-Screen-2        | Jan/Feb 2022   | 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      | 8.5         |                                                                         |       |
| MW-17-Screen-2        | Jan/Feb 2022   | DUP-4-1Q22    | 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       |                                                                         |       |
| <b>MW-17-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-17-Screen-3        | Mar/Apr 2021   | MW-17-3       | 0.5 U                | 1.1   | 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-17-Screen-3        | May/June 2021  | MW-17-3       | 0.5 U                | 1.1   | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 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-17-Screen-3        | July 2021      | MW-17-3       | 0.5 U                | 1.3   | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 2.0 U       | Styrene                                                                 | 0.1 J          |
| MW-17-Screen-3        | Oct/Nov 2021   | MW-17-3       | 0.5 U                | 0.9   | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 1.5 J       | Styrene                                                                 | 0.1 J          |
| MW-17-Screen-3        | Oct/Nov 2021   | DUP-2-4Q21    | 0.5 U                | 0.9   | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 1.2 J       | Styrene                                                                 | 0.1 J          |
| MW-17-Screen-3        | Jan/Feb 2022   | MW-17-3       | 0.5 U                | 2.2   | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 1.9 J       | Styrene<br>Toluene                                                      | 0.4 J<br>0.2 J |
| <b>MW-17-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |                |
| MW-17-Screen-4        | Mar/Apr 2021   | MW-17-4       | 0.5 U                | 0.6   | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 J      | 4.9         |                                                                         |                |
| MW-17-Screen-4        | May/June 2021  | MW-17-4       | 0.5 U                | 0.6   | 0.4 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 J      | 4.6         |                                                                         |                |
| MW-17-Screen-4        | July 2021      | MW-17-4       | 0.5 U                | 0.7   | 0.4 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 3.9         |                                                                         |                |
| MW-17-Screen-4        | July 2021      | DUP-2-3Q21    | 0.5 U                | 0.8   | 0.5   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 4.4         |                                                                         |                |
| MW-17-Screen-4        | Oct/Nov 2021   | MW-17-4       | 0.2 J                | 1.4   | 1.1   | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 1.0        | 4.3         |                                                                         |                |
| MW-17-Screen-4        | Jan/Feb 2022   | MW-17-4       | 0.5 U                | 0.7   | 0.6   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 4.9         |                                                                         |                |
| <b>MW-17-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |                |
| MW-17-Screen-5        | May/June 2021  | MW-17-5       | 0.5 U                | 0.8   | 0.5 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 4.5         |                                                                         |                |
| MW-17-Screen-5        | Oct/Nov 2021   | MW-17-5       | 0.5 U                | 0.7   | 0.4 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 4.7         | Methyl-tert-butyl ether (MTBE)                                          | 0.2 J          |
| <b>MW-18-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |                |
| MW-18-Screen-2        | Mar/Apr 2021   | 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        | May/June 2021  | 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        | July 2021      | 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      | 2.0 U       |                                                                         |                |
| MW-18-Screen-2        | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |                |
| MW-18-Screen-2        | Jan/Feb 2022   | 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      | 16.7        |                                                                         |                |
| <b>MW-18-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |                |
| MW-18-Screen-3        | Mar/Apr 2021   | MW-18-3       | 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 J       |                                                                         |                |
| MW-18-Screen-3        | May/June 2021  | MW-18-3       | 0.2 J                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 0.9 J       | Trichlorofluoromethane                                                  | 0.2 J          |
| MW-18-Screen-3        | May/June 2021  | DUP-4-2Q21    | 0.2 J                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 0.9 J       | Trichlorofluoromethane                                                  | 0.2 J          |
| MW-18-Screen-3        | July 2021      | MW-18-3       | 0.2 J                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       | Trichlorofluoromethane                                                  | 0.2 J          |
| MW-18-Screen-3        | Oct/Nov 2021   | MW-18-3       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 1.1 J       |                                                                         |                |
| MW-18-Screen-3        | Jan/Feb 2022   | MW-18-3       | 0.2 J                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 4.0 U       |                                                                         |                |
| <b>MW-18-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |                |
| MW-18-Screen-4        | Mar/Apr 2021   | MW-18-4       | 1.3                  | 0.7   | 0.6   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 16.0        |                                                                         |                |
| MW-18-Screen-4        | Mar/Apr 2021   | DUP-5-1Q21    | 2.2                  | 1.2   | 0.7   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.0        | 15.0        |                                                                         |                |
| MW-18-Screen-4        | May/June 2021  | MW-18-4       | 1.3                  | 0.8   | 0.7   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 16.0        | Acetone                                                                 | 41.0           |
| MW-18-Screen-4        | July 2021      | MW-18-4       | 2.4                  | 1.0   | 0.8   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.0        | 14.0        |                                                                         |                |
| MW-18-Screen-4        | Oct/Nov 2021   | MW-18-4       | 3.1 J                | 1.6 J | 1.1   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.2        | 15.0        |                                                                         |                |
| MW-18-Screen-4        | Oct/Nov 2021   | DUP-6-4Q21    | 1.8 J                | 1.0 J | 0.8   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.9        | 15.8        |                                                                         |                |
| MW-18-Screen-4        | Jan/Feb 2022   | MW-18-4       | 4.3                  | 1.6   | 1.2   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.2        | 12.8        |                                                                         |                |
| <b>MW-18-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |                |
| MW-18-Screen-5        | Mar/Apr 2021   | 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          |

| 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-5        | May/June 2021  | 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-18-Screen-5        | July 2021      | 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      | 2.0 U       |                                                                         |       |
| MW-18-Screen-5        | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |       |
| MW-18-Screen-5        | Jan/Feb 2022   | 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      | 5.9         | Styrene                                                                 | 0.2 J |
| <b>MW-19-Screen-1</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-19-Screen-1        | Mar/Apr 2021   | MW-19-1       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 3.2        | 4.0 U       | Methyl-tert-butyl ether (MTBE)                                          | 0.2 J |
| MW-19-Screen-1        | May/June 2021  | MW-19-1       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.9        | 11.0        |                                                                         |       |
| MW-19-Screen-1        | July 2021      | MW-19-1       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.0        | 2.0 U       |                                                                         |       |
| MW-19-Screen-1        | Oct/Nov 2021   | MW-19-1       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.6        | 2.0 U       |                                                                         |       |
| MW-19-Screen-1        | Jan/Feb 2022   | MW-19-1       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.1        | 2.0 U       |                                                                         |       |
| <b>MW-19-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-19-Screen-2        | Mar/Apr 2021   | MW-19-2       | 0.5 U                | 1.5   | 2.1   | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 2.1        | 3.4 J       | cis-1,2-Dichloroethene                                                  | 0.3 J |
| MW-19-Screen-2        | May/June 2021  | MW-19-2       | 0.5 U                | 0.5   | 0.6   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.9        | 3.1 J       |                                                                         |       |
| MW-19-Screen-2        | July 2021      | MW-19-2       | 0.5 U                | 0.6   | 1.0   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.2        | 3.3         |                                                                         |       |
| MW-19-Screen-2        | Oct/Nov 2021   | MW-19-2       | 0.5 U                | 0.5 J | 0.7 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.9 J      | 3.6         |                                                                         |       |
| MW-19-Screen-2        | Oct/Nov 2021   | DUP-8-4Q21    | 0.5 U                | 1.5 J | 2.4 J | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 2.1 J      | 3.5         | cis-1,2-Dichloroethene                                                  | 0.3 J |
| MW-19-Screen-2        | Jan/Feb 2022   | MW-19-2       | 0.5 U                | 0.8   | 1.6   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.6        | 3.4         |                                                                         |       |
| <b>MW-19-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-19-Screen-3        | Mar/Apr 2021   | MW-19-3       | 0.5 U                | 0.5   | 1.3   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.2        | 3.5 J       |                                                                         |       |
| MW-19-Screen-3        | May/June 2021  | MW-19-3       | 0.5 U                | 0.4 J | 1.0   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.7        | 4.2         |                                                                         |       |
| MW-19-Screen-3        | July 2021      | MW-19-3       | 0.5 U                | 0.4 J | 1.1   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.9        | 4.0         |                                                                         |       |
| MW-19-Screen-3        | Oct/Nov 2021   | MW-19-3       | 0.5 U                | 1.1   | 3.7   | 0.3 J   | 0.5 U   | 0.5 U   | 0.5 U     | 3.6        | 4.0         | cis-1,2-Dichloroethene                                                  | 0.4 J |
| MW-19-Screen-3        | Jan/Feb 2022   | MW-19-3       | 0.5 U                | 1.0   | 2.9   | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 3.3        | 4.6         | cis-1,2-Dichloroethene                                                  | 0.4 J |
| MW-19-Screen-3        | Jan/Feb 2022   | DUP-2-1Q22    | 0.5 U                | 1.0   | 3.0   | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 3.3        | 4.3         | cis-1,2-Dichloroethene                                                  | 0.4 J |
| <b>MW-19-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-19-Screen-4        | Mar/Apr 2021   | MW-19-4       | 0.5 U                | 0.4 J | 0.9   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.8        | 3.0 J       |                                                                         |       |
| MW-19-Screen-4        | May/June 2021  | MW-19-4       | 0.5 U                | 0.3 J | 0.7   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.6        | 3.6 J       |                                                                         |       |
| MW-19-Screen-4        | July 2021      | MW-19-4       | 0.5 U                | 0.3 J | 0.7   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.4        | 3.1         |                                                                         |       |
| MW-19-Screen-4        | July 2021      | DUP-1-3Q21    | 0.5 U                | 0.3 J | 0.8   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.7        | 3.1         |                                                                         |       |
| MW-19-Screen-4        | Oct/Nov 2021   | MW-19-4       | 0.5 U                | 1.1   | 3.1   | 0.3 J   | 0.5 U   | 0.5 U   | 0.5 U     | 4.6        | 3.7         |                                                                         |       |
| MW-19-Screen-4        | Jan/Feb 2022   | MW-19-4       | 0.5 U                | 1.0   | 2.7   | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 4.7        | 3.5         | cis-1,2-Dichloroethene                                                  | 0.4 J |
| <b>MW-19-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-19-Screen-5        | Mar/Apr 2021   | MW-19-5       | 0.5 U                | 0.2 J | 0.7   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.6        | 3.3 J       |                                                                         |       |
| MW-19-Screen-5        | May/June 2021  | MW-19-5       | 0.5 U                | 0.2 J | 0.5   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.1        | 2.9 J       |                                                                         |       |
| MW-19-Screen-5        | July 2021      | MW-19-5       | 0.5 U                | 0.3 J | 1.0   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 3.2        | 3.0         |                                                                         |       |
| MW-19-Screen-5        | Oct/Nov 2021   | MW-19-5       | 0.5 U                | 0.7   | 2.2   | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 4.2        | 3.5         |                                                                         |       |
| MW-19-Screen-5        | Jan/Feb 2022   | MW-19-5       | 0.5 U                | 0.7   | 2.1   | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 4.6        | 3.2         |                                                                         |       |
| <b>MW-20-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |

| 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-2        | Mar/Apr 2021   | MW-20-2       | 0.5 U                | 0.2 J | 0.2 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 4.0 U       |                                                                         |       |
| MW-20-Screen-2        | May/June 2021  | MW-20-2       | 0.5 U                | 0.2 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 7.4         | Carbon disulfide                                                        | 0.6   |
| MW-20-Screen-2        | July 2021      | MW-20-2       | 0.5 U                | 0.2 J | 0.2 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 2.0 U       |                                                                         |       |
| MW-20-Screen-2        | Oct/Nov 2021   | MW-20-2       | 0.5 U                | 0.3 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 2.0 U       |                                                                         |       |
| MW-20-Screen-2        | Jan/Feb 2022   | MW-20-2       | 0.5 U                | 0.6   | 0.5   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 2.0 U       |                                                                         |       |
| MW-20-Screen-2        | Jan/Feb 2022   | DUP-1-1Q22    | 0.5 U                | 0.5 J | 0.4 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 2.0 U       |                                                                         |       |
| <b>MW-20-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-20-Screen-3        | Mar/Apr 2021   | MW-20-3       | 0.5 U                | 0.5 U | 1.3   | 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        | Mar/Apr 2021   | MW-20-3       | 0.5 U                | 0.5 U | 1.3   | 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        | May/June 2021  | MW-20-3       | 0.5 U                | 0.5 U | 1.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 4.0 U       | Styrene                                                                 | 0.3 J |
| MW-20-Screen-3        | May/June 2021  | DUP-8-2Q21    | 0.5 U                | 0.5 U | 0.7 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 4.0 U       | Carbon disulfide                                                        | 0.8   |
| MW-20-Screen-3        | May/June 2021  | DUP-8-2Q21    | 0.5 U                | 0.5 U | 0.7 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 4.0 U       | Styrene                                                                 | 0.3 J |
| MW-20-Screen-3        | July 2021      | MW-20-3       | 0.5 U                | 0.5 U | 0.9   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       | Styrene                                                                 | 0.4 J |
| MW-20-Screen-3        | Oct/Nov 2021   | MW-20-3       | 0.5 U                | 0.5 U | 0.7 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       | Styrene                                                                 | 0.3 J |
| MW-20-Screen-3        | Oct/Nov 2021   | DUP-5-4Q21    | 0.5 U                | 0.2 J | 1.8 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       | Ethylbenzene                                                            | 0.2 J |
| MW-20-Screen-3        | Oct/Nov 2021   | DUP-5-4Q21    | 0.5 U                | 0.2 J | 1.8 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       | Styrene                                                                 | 0.3 J |
| MW-20-Screen-3        | Jan/Feb 2022   | MW-20-3       | 0.5 U                | 0.5 U | 0.7   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       | Carbon disulfide                                                        | 0.6   |
| MW-20-Screen-3        | Jan/Feb 2022   | MW-20-3       | 0.5 U                | 0.5 U | 0.7   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       | Styrene                                                                 | 0.4 J |
| <b>MW-20-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-20-Screen-4        | Mar/Apr 2021   | 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        | May/June 2021  | 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        | July 2021      | 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      | 2.0 U       | Carbon disulfide                                                        | 0.5   |
| MW-20-Screen-4        | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |       |
| MW-20-Screen-4        | Jan/Feb 2022   | 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      | 2.0 U       | Carbon disulfide                                                        | 0.5   |
| <b>MW-20-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-20-Screen-5        | Mar/Apr 2021   | 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   |
| MW-20-Screen-5        | Mar/Apr 2021   | 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                                                                 | 0.1 J |
| MW-20-Screen-5        | May/June 2021  | 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   |
| MW-20-Screen-5        | May/June 2021  | 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                                                                 | 0.1 J |
| MW-20-Screen-5        | July 2021      | 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      | 2.0 U       | Carbon disulfide                                                        | 0.5 J |
| MW-20-Screen-5        | July 2021      | 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      | 2.0 U       | Styrene                                                                 | 0.2 J |
| MW-20-Screen-5        | Oct/Nov 2021   | 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      | 2.0 U       | Styrene                                                                 | 0.1 J |
| MW-20-Screen-5        | Jan/Feb 2022   | 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      | 2.0 U       | Styrene                                                                 | 0.1 J |
| <b>MW-21-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-21-Screen-2        | Mar/Apr 2021   | MW-21-2       | 0.5 U                | 0.5 U | 0.2 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.3 J      | 2.0 J       |                                                                         |       |
| MW-21-Screen-2        | May/June 2021  | MW-21-2       | 0.5 U                | 0.5 U | 0.4 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 1.8 J       |                                                                         |       |
| MW-21-Screen-2        | May/June 2021  | DUP-6-2Q21    | 0.5 U                | 0.5 U | 0.5   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.3 J      | 2.0 J       |                                                                         |       |
| MW-21-Screen-2        | July 2021      | MW-21-2       | 0.5 U                | 0.5 U | 0.4 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 1.6 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-21-Screen-2        | Oct/Nov 2021   | MW-21-2       | 0.5 U                | 0.5 U | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 2.6         |                                                                         |
| MW-21-Screen-2        | Jan/Feb 2022   | MW-21-2       | 0.5 U                | 0.5 U | 0.5 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.3 J      | 1.7 J       |                                                                         |
| <b>MW-21-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-21-Screen-3        | Mar/Apr 2021   | MW-21-3       | 0.5 U                | 0.4 J | 0.5 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.3 J      | 2.6 J       |                                                                         |
| MW-21-Screen-3        | Mar/Apr 2021   | DUP-7-1Q21    | 0.5 U                | 1.9 J | 1.8 J | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 3.1 J       |                                                                         |
| MW-21-Screen-3        | May/June 2021  | MW-21-3       | 0.5 U                | 0.7   | 0.6   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 2.6 J       |                                                                         |
| MW-21-Screen-3        | July 2021      | MW-21-3       | 0.5 U                | 1.1 J | 1.0 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 J      | 2.6         |                                                                         |
| MW-21-Screen-3        | July 2021      | DUP-6-3Q21    | 0.5 U                | 2.0 J | 2.1 J | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 2.8         |                                                                         |
| MW-21-Screen-3        | Oct/Nov 2021   | MW-21-3       | 0.5 U                | 0.7   | 0.6   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 3.8         |                                                                         |
| MW-21-Screen-3        | Jan/Feb 2022   | MW-21-3       | 0.5 U                | 1.2   | 1.0   | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 3.0 J       |                                                                         |
| MW-21-Screen-3        | Jan/Feb 2022   | DUP-7-1Q22    | 0.5 U                | 2.0   | 1.7   | 0.3 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 2.9 J       |                                                                         |
| <b>MW-21-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-21-Screen-4        | Mar/Apr 2021   | MW-21-4       | 0.5 U                | 0.2 J | 0.7   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 3.6        | 2.9 J       |                                                                         |
| MW-21-Screen-4        | May/June 2021  | MW-21-4       | 0.5 U                | 0.3 J | 0.6   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 3.1        | 2.6 J       |                                                                         |
| MW-21-Screen-4        | July 2021      | MW-21-4       | 0.5 U                | 0.5 J | 1.0 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 4.9        | 2.8         |                                                                         |
| MW-21-Screen-4        | Oct/Nov 2021   | MW-21-4       | 0.5 U                | 0.3 J | 0.6   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 3.9        | 2.9         |                                                                         |
| MW-21-Screen-4        | Jan/Feb 2022   | MW-21-4       | 0.5 U                | 0.6   | 1.2   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 5.2        | 3.0 J       |                                                                         |
| <b>MW-21-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-21-Screen-5        | Mar/Apr 2021   | MW-21-5       | 0.5 U                | 0.5 U | 0.7   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 3.8        | 2.4 J       |                                                                         |
| MW-21-Screen-5        | May/June 2021  | MW-21-5       | 0.5 U                | 0.5 U | 0.8   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 4.2        | 2.6 J       |                                                                         |
| MW-21-Screen-5        | July 2021      | MW-21-5       | 0.5 U                | 0.5 U | 0.8 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 4.5        | 2.4         |                                                                         |
| MW-21-Screen-5        | Oct/Nov 2021   | MW-21-5       | 0.5 U                | 0.5 U | 0.7   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 3.8        | 2.9         |                                                                         |
| MW-21-Screen-5        | Jan/Feb 2022   | MW-21-5       | 0.5 U                | 0.3 J | 1.8   | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 7.0        | 2.7 J       |                                                                         |
| <b>MW-22-Screen-1</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-22-Screen-1        | Mar/Apr 2021   | MW-22-1       | 0.5 U                | 1.2   | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5        | 3.4 J       |                                                                         |
| MW-22-Screen-1        | May/June 2021  | MW-22-1       | 0.5 U                | 0.4 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.3 J      | 3.9 J       |                                                                         |
| MW-22-Screen-1        | Jan/Feb 2022   | MW-22-1       | 0.5 U                | 0.4 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 J      | 17.6        |                                                                         |
| <b>MW-22-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-22-Screen-2        | Mar/Apr 2021   | 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      | 3.2 J       |                                                                         |
| MW-22-Screen-2        | May/June 2021  | 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      | 2.7 J       |                                                                         |
| MW-22-Screen-2        | July 2021      | 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        | Oct/Nov 2021   | 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      | 2.8         |                                                                         |
| MW-22-Screen-2        | Jan/Feb 2022   | 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      | 3.7         |                                                                         |
| <b>MW-22-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |
| MW-22-Screen-3        | Mar/Apr 2021   | 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      | 3.0 J       |                                                                         |
| MW-22-Screen-3        | Mar/Apr 2021   | DUP-3-1Q21    | 0.5 U                | 0.2 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.7 J       |                                                                         |
| MW-22-Screen-3        | May/June 2021  | 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      | 3.1 J       |                                                                         |
| MW-22-Screen-3        | July 2021      | 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        | Oct/Nov 2021   | 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      | 3.6         |                                                                         |       |
| MW-22-Screen-3        | Jan/Feb 2022   | MW-22-3       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.1 J      | 3.5         |                                                                         |       |
| <b>MW-22-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-22-Screen-4        | May/June 2021  | 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      | 1.1 J       |                                                                         |       |
| MW-22-Screen-4        | Oct/Nov 2021   | 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      | 1.4 J       |                                                                         |       |
| <b>MW-22-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-22-Screen-5        | May/June 2021  | 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                                                        | 0.5   |
| MW-22-Screen-5        | Oct/Nov 2021   | 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      |             |                                                                         |       |
| <b>MW-23-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-23-Screen-2        | Oct/Nov 2020   | DUP-4-4Q20    | 0.5 U                | 2.4   | 0.7   | 0.3 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.8        | 4.8         |                                                                         |       |
| MW-23-Screen-2        | Mar/Apr 2021   | MW-23-2       | 0.5 U                | 0.7   | 0.2 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 4.3         |                                                                         |       |
| MW-23-Screen-2        | May/June 2021  | MW-23-2       | 0.5 U                | 0.8   | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 4.8         |                                                                         |       |
| MW-23-Screen-2        | July 2021      | MW-23-2       | 0.5 U                | 0.6   | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 3.6         |                                                                         |       |
| MW-23-Screen-2        | Oct/Nov 2021   | MW-23-2       | 0.5 U                | 0.7   | 0.3 J | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 6.1         |                                                                         |       |
| MW-23-Screen-2        | Jan/Feb 2022   | MW-23-2       | 0.5 U                | 1.0   | 0.5 J | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5        | 5.0         |                                                                         |       |
| MW-23-Screen-2        | Jan/Feb 2022   | DUP-5-1Q22    | 0.5 U                | 2.2   | 1.0   | 0.4 J   | 0.5 U   | 0.5 U   | 0.5 U     | 1.0        | 4.0 U       | 1,2,3-Trichlorobenzene                                                  | 0.2 J |
| <b>MW-23-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-23-Screen-3        | Mar/Apr 2021   | MW-23-3       | 0.5 U                | 0.2 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 0.2 J       | 3.4 J                                                                   |       |
| MW-23-Screen-3        | May/June 2021  | 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      | 3.6 J       |                                                                         |       |
| MW-23-Screen-3        | May/June 2021  | DUP-1-2Q21    | 0.5 U                | 0.5 U | 0.2 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 3.4 J       |                                                                         |       |
| MW-23-Screen-3        | July 2021      | 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         |                                                                         |       |
| MW-23-Screen-3        | July 2021      | DUP-4-3Q21    | 0.5 U                | 0.2 J | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 3.3         |                                                                         |       |
| MW-23-Screen-3        | Oct/Nov 2021   | 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      | 4.8         |                                                                         |       |
| MW-23-Screen-3        | Jan/Feb 2022   | MW-23-3       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 3.9         |                                                                         |       |
| <b>MW-23-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-23-Screen-4        | May/June 2021  | 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      | 2.4 J       |                                                                         |       |
| MW-23-Screen-4        | Oct/Nov 2021   | 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      | 3.2         |                                                                         |       |
| <b>MW-23-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-23-Screen-5        | May/June 2021  | 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                                                                 | 0.2 J |
| MW-23-Screen-5        | Oct/Nov 2021   | 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      | 2.0 U       | Styrene                                                                 | 0.2 J |
| <b>MW-24-Screen-1</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-24-Screen-1        | Mar/Apr 2021   | MW-24-1       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.4        | 32.0        |                                                                         |       |
| MW-24-Screen-1        | May/June 2021  | MW-24-1       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.1        | 260.0       |                                                                         |       |
| MW-24-Screen-1        | July 2021      | MW-24-1       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.3        | 140.0       | Bromodichloromethane                                                    | 0.3 J |
| MW-24-Screen-1        | Oct/Nov 2021   | MW-24-1       | 0.5 J                | 0.5 U | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 5.8        | 21.2        |                                                                         |       |
| MW-24-Screen-1        | Jan/Feb 2022   | MW-24-1       | 2.3                  | 0.3 J | 1.6   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 4.7        | 164.0       |                                                                         |       |
| <b>MW-24-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-24-Screen-2        | Mar/Apr 2021   | MW-24-2       | 0.5 U                | 0.5 U | 0.3 J | 0.2 J   | 0.2 J   | 0.5 U   | 0.5 U     | 0.8        | 6.2         |                                                                         |       |



| 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        | Mar/Apr 2021   | DUP-4-1Q21    | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5        | 6.5         |                                                                         |       |
| MW-24-Screen-2        | May/June 2021  | MW-24-2       | 0.5 U                | 0.5 U | 0.2 J | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.9        | 8.5         |                                                                         |       |
| MW-24-Screen-2        | July 2021      | MW-24-2       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 8.7         |                                                                         |       |
| MW-24-Screen-2        | Oct/Nov 2021   | MW-24-2       | 0.5 U                | 0.5 U | 0.2 J | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 1.0        | 11.5        |                                                                         |       |
| MW-24-Screen-2        | Jan/Feb 2022   | MW-24-2       | 0.5 U                | 0.5 U | 0.5 U | 0.2 J   | 0.4 J   | 0.5 U   | 0.5 U     | 0.7        | 5.2         |                                                                         |       |
| <b>MW-24-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-24-Screen-3        | Mar/Apr 2021   | MW-24-3       | 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-24-Screen-3        | May/June 2021  | 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      | 4.0 U       |                                                                         |       |
| MW-24-Screen-3        | July 2021      | MW-24-3       | 0.5 U                | 0.5 U | 0.5 U | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       |                                                                         |       |
| MW-24-Screen-3        | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |       |
| MW-24-Screen-3        | Jan/Feb 2022   | MW-24-3       | 0.5 U                | 0.5 U | 0.5 U | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       |                                                                         |       |
| MW-24-Screen-3        | Jan/Feb 2022   | DUP-3-1Q22    | 0.5 U                | 0.5 U | 0.5 U | 0.2 J   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 2.0 U       |                                                                         |       |
| <b>MW-24-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-24-Screen-4        | May/June 2021  | 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       | Styrene                                                                 | 0.1 J |
| MW-24-Screen-4        | Oct/Nov 2021   | 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      | 2.0 U       | Ethylbenzene                                                            | 0.2 J |
|                       |                |               |                      |       |       |         |         |         |           |            |             | Styrene                                                                 | 0.2 J |
| <b>MW-24-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-24-Screen-5        | May/June 2021  | 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 2021   | 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      | 1.5 J       |                                                                         |       |
| <b>MW-25-Screen-1</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-25-Screen-1        | Mar/Apr 2021   | MW-25-1       | 0.5 U                | 0.5 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 6.4         | Methyl-tert-butyl ether (MTBE)                                          | 0.4 J |
| MW-25-Screen-1        | Mar/Apr 2021   | DUP-1-1Q21    | 0.5 U                | 1.0 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 6.4         | Methyl-tert-butyl ether (MTBE)                                          | 0.4 J |
| MW-25-Screen-1        | May/June 2021  | MW-25-1       | 0.5 U                | 0.4 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 7.6         | Methyl-tert-butyl ether (MTBE)                                          | 0.4 J |
| MW-25-Screen-1        | July 2021      | MW-25-1       | 0.5 U                | 0.5 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.6        | 6.8         | Methyl-tert-butyl ether (MTBE)                                          | 0.5 J |
| MW-25-Screen-1        | Oct/Nov 2021   | MW-25-1       | 0.5 U                | 0.3 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 7.6         | Methyl-tert-butyl ether (MTBE)                                          | 0.4 J |
| MW-25-Screen-1        | Jan/Feb 2022   | MW-25-1       | 0.5 U                | 0.3 J | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5        | 8.3         | Methyl-tert-butyl ether (MTBE)                                          | 0.4 J |
| <b>MW-25-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-25-Screen-2        | Mar/Apr 2021   | 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      | 12.0        |                                                                         |       |
| MW-25-Screen-2        | May/June 2021  | MW-25-2       | 0.5 U                | 0.5 U | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.1 J      | 12.0        |                                                                         |       |
| MW-25-Screen-2        | July 2021      | MW-25-2       | 0.5 U                | 0.5 U | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 11.0        |                                                                         |       |
| MW-25-Screen-2        | Oct/Nov 2021   | MW-25-2       | 0.5 U                | 0.5 U | 0.3 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.1 J      | 12.0        |                                                                         |       |
| MW-25-Screen-2        | Jan/Feb 2022   | MW-25-2       | 0.5 U                | 0.5 U | 0.2 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.2 J      | 13.4        |                                                                         |       |
| <b>MW-25-Screen-3</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-25-Screen-3        | Mar/Apr 2021   | MW-25-3       | 0.5 U                | 0.5 U | 3.2   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.7        | 9.3         |                                                                         |       |
| MW-25-Screen-3        | May/June 2021  | MW-25-3       | 0.5 U                | 0.5 U | 1.5   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.3 J      | 10.0        |                                                                         |       |
| MW-25-Screen-3        | May/June 2021  | DUP-2-2Q21    | 0.5 U                | 0.5 U | 1.4   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 10.0        |                                                                         |       |
| MW-25-Screen-3        | July 2021      | MW-25-3       | 0.5 U                | 0.5 U | 2.2   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 9.5         |                                                                         |       |
| MW-25-Screen-3        | Oct/Nov 2021   | MW-25-3       | 0.5 U                | 0.5 U | 1.8   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 10.2        |                                                                         |       |

| Sample Location       | Sampling Event | Sample Number | Carbon tetrachloride | TCE   | PCE   | 1,1-DCA | 1,2-DCA | 1,1-DCE | Freon 113 | Chloroform | Perchlorate | Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP |       |
|-----------------------|----------------|---------------|----------------------|-------|-------|---------|---------|---------|-----------|------------|-------------|-------------------------------------------------------------------------|-------|
| MW-25-Screen-3        | Jan/Feb 2022   | MW-25-3       | 0.5 U                | 0.5 U | 2.1   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.4 J      | 11.4        |                                                                         |       |
| <b>MW-25-Screen-4</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-25-Screen-4        | Mar/Apr 2021   | 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      | 7.8         |                                                                         |       |
| MW-25-Screen-4        | May/June 2021  | MW-25-4       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 8.8         |                                                                         |       |
| MW-25-Screen-4        | July 2021      | MW-25-4       | 0.5 U                | 0.5 U | 0.5 U | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 0.5 U      | 8.4         |                                                                         |       |
| MW-25-Screen-4        | Oct/Nov 2021   | 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      | 9.0         |                                                                         |       |
| MW-25-Screen-4        | Jan/Feb 2022   | 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      | 9.5         |                                                                         |       |
| <b>MW-25-Screen-5</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-25-Screen-5        | Mar/Apr 2021   | 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        | May/June 2021  | 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        | July 2021      | 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      | 2.0 U       |                                                                         |       |
| MW-25-Screen-5        | Oct/Nov 2021   | 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      | 2.0 U       |                                                                         |       |
| MW-25-Screen-5        | Jan/Feb 2022   | 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      | 2.0 U       |                                                                         |       |
| <b>MW-26-Screen-2</b> |                |               |                      |       |       |         |         |         |           |            |             |                                                                         |       |
| MW-26-Screen-2        | Mar/Apr 2021   | MW-26-2       | 0.5 U                | 0.2 J | 1.7 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.9        | 2.6 J       |                                                                         |       |
| MW-26-Screen-2        | Mar/Apr 2021   | DUP-6-1Q21    | 0.5 U                | 0.4 J | 4.1 J | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 2.4        | 2.4 J       | cis-1,2-Dichloroethene                                                  | 0.3 J |
| MW-26-Screen-2        | May/June 2021  | MW-26-2       | 0.5 U                | 0.2 J | 1.6   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.5        | 3.0 J       |                                                                         |       |
| MW-26-Screen-2        | July 2021      | MW-26-2       | 0.5 U                | 0.2 J | 1.5   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.6        | 2.8         |                                                                         |       |
| MW-26-Screen-2        | Oct/Nov 2021   | MW-26-2       | 0.5 U                | 0.3 J | 1.8   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.8        | 4.0         |                                                                         |       |
| MW-26-Screen-2        | Jan/Feb 2022   | MW-26-2       | 0.5 U                | 0.3 J | 2.0   | 0.5 U   | 0.5 U   | 0.5 U   | 0.5 U     | 1.8        | 17.5        | cis-1,2-Dichloroethene                                                  | 0.3 J |

Analyte concentration exceeds the standard for:

|                   |     |     |     |     |     |     |        |      |     |  |
|-------------------|-----|-----|-----|-----|-----|-----|--------|------|-----|--|
| CA MCL            | 0.5 | 5.0 | 5.0 | 5.0 | 0.5 | 6.0 | 1200.0 | TTHM | 6.0 |  |
| EPA REGION IX MCL | 5.0 | 5.0 | 5.0 | NE  | 5.0 | 7.0 | NE     | TTHM | NE  |  |

**Notes**

- DUP(E) 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 THMs (Bromodichloromethane, Bromoform, Dibromochloromethane, and Chloroform) as an annual average
- B Analyte is present in method blank
- UB Result should be considered “not-detected” because it was detected in a method blank or equipment blank at a similar level.
- E Analyte concentration is above calibration range
- J Analyte concentration is an estimated value
- U Analyte was analyzed for but not detected at or above the stated limit
- UJ Analyte was analyzed for but not detected; analyte concentration is an estimated value

**TABLE 2**  
**SUMMARY OF METALS DETECTED DURING THE LAST FIVE**  
**SAMPLING EVENTS OF THE LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM**  
(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 (µg/L) |
|----------------------|----------------|---------------|----------------|---------------|------------------------|-----------------------------|
| <b>MW-1</b>          |                |               |                |               |                        |                             |
| MW-1                 | Oct/Nov 2020   | MW-1          | NA             | NA            | 3.0 U                  | 0.20 U                      |
| MW-1                 | Oct/Nov 2020   | DUP-6-4Q20    | NA             | NA            | 3.0 U                  | 0.20 U                      |
| MW-1                 | May/June 2021  | MW-1          | 2.0 U          | 1.00 U        | 3.0 U                  | 0.04 UB                     |
| MW-1                 | Oct/Nov 2021   | MW-1          | NA             | NA            | 3.0 U                  | 0.10 UB                     |
| <b>MW-3-Screen-1</b> |                |               |                |               |                        |                             |
| MW-3-Screen-1        | Oct/Nov 2020   | MW-3-1        | NA             | NA            | 3.0 U                  | 0.20 U                      |
| MW-3-Screen-1        | May/June 2021  | MW-3-1        | 2.0 U          | 1.00 U        | 3.0 U                  | 0.11 UB                     |
| <b>MW-3-Screen-2</b> |                |               |                |               |                        |                             |
| MW-3-Screen-2        | Oct/Nov 2020   | MW-3-2        | NA             | NA            | 3.0 U                  | <b>0.62</b>                 |
| MW-3-Screen-2        | Mar/Apr 2021   | MW-3-2        | NA             | NA            | 3.0 U                  | <b>0.69 J</b>               |
| MW-3-Screen-2        | May/June 2021  | MW-3-2        | 2.0 U          | 1.00 U        | <b>0.8 J</b>           | 0.38 UB                     |
| MW-3-Screen-2        | July 2021      | MW-3-2        | NA             | NA            | <b>0.5 J</b>           | <b>0.69 J</b>               |
| MW-3-Screen-2        | Oct/Nov 2021   | MW-3-2        | NA             | NA            | <b>0.5 J</b>           | <b>0.79 J</b>               |
| MW-3-Screen-2        | Oct/Nov 2021   | DUP-1-4Q21    | NA             | NA            | <b>0.7 J</b>           | <b>0.74 J</b>               |
| MW-3-Screen-2        | Jan/Feb 2022   | MW-3-2        | NA             | NA            | <b>1.0 J</b>           | <b>0.62</b>                 |
| <b>MW-3-Screen-3</b> |                |               |                |               |                        |                             |
| MW-3-Screen-3        | Oct/Nov 2020   | MW-3-3        | NA             | NA            | <b>1.1 J</b>           | <b>0.73</b>                 |
| MW-3-Screen-3        | Mar/Apr 2021   | MW-3-3        | NA             | NA            | <b>1.4 J</b>           | <b>0.73 J</b>               |
| MW-3-Screen-3        | May/June 2021  | MW-3-3        | <b>0.9 J</b>   | 1.00 U        | <b>1.6 J</b>           | <b>0.68</b>                 |
| MW-3-Screen-3        | May/June 2021  | DUP-3-2Q21    | <b>1.0 J</b>   | 1.00 U        | <b>1.4 J</b>           | <b>0.58</b>                 |
| MW-3-Screen-3        | July 2021      | MW-3-3        | NA             | NA            | <b>1.6 J</b>           | <b>0.79 J</b>               |
| MW-3-Screen-3        | Oct/Nov 2021   | MW-3-3        | NA             | NA            | <b>3.8</b>             | <b>0.66 J</b>               |
| MW-3-Screen-3        | Jan/Feb 2022   | MW-3-3        | NA             | NA            | <b>6.3</b>             | <b>0.67</b>                 |
| MW-3-Screen-3        | Jan/Feb 2022   | DUP-6-1Q22    | NA             | NA            | <b>3.1</b>             | <b>0.69</b>                 |
| <b>MW-3-Screen-4</b> |                |               |                |               |                        |                             |
| MW-3-Screen-4        | Oct/Nov 2020   | MW-3-4        | NA             | NA            | <b>21.0</b>            | <b>0.85</b>                 |
| MW-3-Screen-4        | Mar/Apr 2021   | MW-3-4        | NA             | NA            | <b>11.0</b>            | <b>0.77 J</b>               |
| MW-3-Screen-4        | May/June 2021  | MW-3-4        | <b>7.5</b>     | <b>0.21 J</b> | <b>12.0</b>            | <b>0.20</b>                 |
| MW-3-Screen-4        | July 2021      | MW-3-4        | NA             | NA            | <b>14.0</b>            | <b>0.68 J</b>               |
| MW-3-Screen-4        | Oct/Nov 2021   | MW-3-4        | NA             | NA            | <b>31.0</b>            | <b>0.59 J</b>               |
| MW-3-Screen-4        | Jan/Feb 2022   | MW-3-4        | NA             | NA            | <b>61.0</b>            | <b>0.61</b>                 |
| <b>MW-3-Screen-5</b> |                |               |                |               |                        |                             |
| MW-3-Screen-5        | Oct/Nov 2020   | MW-3-5        | NA             | NA            | <b>20.0</b>            | <b>0.73</b>                 |
| MW-3-Screen-5        | May/June 2021  | MW-3-5        | <b>23.0</b>    | <b>0.18 J</b> | <b>44.0</b>            | <b>0.66</b>                 |
| MW-3-Screen-5        | Oct/Nov 2021   | MW-3-5        | NA             | NA            | <b>53.0</b>            | 0.43 UB                     |
| <b>MW-4-Screen-1</b> |                |               |                |               |                        |                             |
| MW-4-Screen-1        | Oct/Nov 2020   | MW-4-1        | NA             | NA            | 3.0 U                  | 0.10 UJ                     |
| MW-4-Screen-1        | Jan/Feb 2022   | MW-4-1        | NA             | NA            | 3.0 U                  | <b>0.20</b>                 |

| Sample Location       | Sampling Event | Sample Number | Arsenic (µg/L) | Lead (µg/L) | Chromium, Total (µg/L) | Chromium, Hexavalent (µg/L) |
|-----------------------|----------------|---------------|----------------|-------------|------------------------|-----------------------------|
| <b>MW-4-Screen-2</b>  |                |               |                |             |                        |                             |
| MW-4-Screen-2         | Oct/Nov 2020   | MW-4-2        | NA             | NA          | 1.6 J                  | 0.91                        |
| MW-4-Screen-2         | Mar/Apr 2021   | MW-4-2        | NA             | NA          | 0.6 J                  | 0.07 UB                     |
| MW-4-Screen-2         | May/June 2021  | MW-4-2        | 0.8 J          | 1.00 U      | 0.6 J                  | 0.12 UB                     |
| MW-4-Screen-2         | July 2021      | MW-4-2        | NA             | NA          | 3.0 UB                 | 0.20 UB                     |
| MW-4-Screen-2         | Oct/Nov 2021   | MW-4-2        | NA             | NA          | 3.0 U                  | 0.19 UB                     |
| MW-4-Screen-2         | Oct/Nov 2021   | DUP-3-4Q21    | NA             | NA          | 3.0 U                  | 0.19 UB                     |
| MW-4-Screen-2         | Jan/Feb 2022   | MW-4-2        | NA             | NA          | 1.9 J                  | 1.60                        |
| <b>MW-4-Screen-3</b>  |                |               |                |             |                        |                             |
| MW-4-Screen-3         | Oct/Nov 2020   | MW-4-3        | NA             | NA          | 2.1 J                  | 0.20 U                      |
| MW-4-Screen-3         | Mar/Apr 2021   | MW-4-3        | NA             | NA          | 0.9 J                  | 0.26 UB                     |
| MW-4-Screen-3         | May/June 2021  | MW-4-3        | 0.9 J          | 1.00 U      | 1.3 J                  | 0.51 J                      |
| MW-4-Screen-3         | July 2021      | MW-4-3        | NA             | NA          | 3.0 UB                 | 0.20 UB                     |
| MW-4-Screen-3         | Oct/Nov 2021   | MW-4-3        | NA             | NA          | 0.8 UB                 | 0.19 UB                     |
| MW-4-Screen-3         | Jan/Feb 2022   | MW-4-3        | NA             | NA          | 0.8 J                  | 0.20 U                      |
| <b>MW-4-Screen-4</b>  |                |               |                |             |                        |                             |
| MW-4-Screen-4         | Oct/Nov 2020   | MW-4-4        | NA             | NA          | 0.8 J                  | 0.20 U                      |
| MW-4-Screen-4         | May/June 2021  | MW-4-4        | 2.0 U          | 1.00 U      | 3.0 U                  | 0.06 UB                     |
| MW-4-Screen-4         | Oct/Nov 2021   | MW-4-4        | NA             | NA          | 3.0 U                  | 0.07 UB                     |
| <b>MW-4-Screen-5</b>  |                |               |                |             |                        |                             |
| MW-4-Screen-5         | Oct/Nov 2020   | MW-4-5        | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-4-Screen-5         | May/June 2021  | MW-4-5        | 2.0 U          | 1.00 U      | 3.0 U                  | 0.06 UB                     |
| MW-4-Screen-5         | Oct/Nov 2021   | MW-4-5        | NA             | NA          | 1.2 UB                 | 0.05 UB                     |
| <b>MW-9</b>           |                |               |                |             |                        |                             |
| MW-9                  | Oct/Nov 2020   | MW-9          | NA             | NA          | 240.0                  | 0.48 UJ                     |
| MW-9                  | Oct/Nov 2020   | DUP-7-4Q20    | NA             | NA          | 230.0                  | 0.48 UJ                     |
| MW-9                  | May/June 2021  | MW-9          | 0.8 J          | 1.00 U      | 3.0                    | 0.46 J                      |
| MW-9                  | Oct/Nov 2021   | MW-9          | NA             | NA          | 140.0 J                | 0.58 UB                     |
| <b>MW-11-Screen-1</b> |                |               |                |             |                        |                             |
| MW-11-Screen-1        | Oct/Nov 2020   | MW-11-1       | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-11-Screen-1        | Mar/Apr 2021   | MW-11-1       | NA             | NA          | 7.3                    | 0.20 J                      |
| MW-11-Screen-1        | May/June 2021  | MW-11-1       | 2.0 U          | 1.00 U      | 3.0 U                  | 0.21 UB                     |
| MW-11-Screen-1        | July 2021      | MW-11-1       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-11-Screen-1        | Oct/Nov 2021   | MW-11-1       | NA             | NA          | 3.0 U                  | 0.16 UB                     |
| MW-11-Screen-1        | Jan/Feb 2022   | MW-11-1       | NA             | NA          | 3.0 U                  | 0.10 J                      |
| <b>MW-11-Screen-2</b> |                |               |                |             |                        |                             |
| MW-11-Screen-2        | Oct/Nov 2020   | MW-11-2       | NA             | NA          | 3.0 U                  | 0.06 UJ                     |
| MW-11-Screen-2        | Mar/Apr 2021   | MW-11-2       | NA             | NA          | 3.0 U                  | 0.04 UB                     |
| MW-11-Screen-2        | May/June 2021  | MW-11-2       | 2.0 U          | 1.00 U      | 0.6 UB                 | 0.07 UB                     |
| MW-11-Screen-2        | July 2021      | MW-11-2       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-11-Screen-2        | Oct/Nov 2021   | MW-11-2       | NA             | NA          | 3.0 U                  | 0.08 UB                     |
| MW-11-Screen-2        | Oct/Nov 2021   | DUP-7-4Q21    | NA             | NA          | 3.0 U                  | 0.12 UB                     |
| MW-11-Screen-2        | Jan/Feb 2022   | MW-11-2       | NA             | NA          | 3.0 U                  | 0.08 J                      |
| <b>MW-11-Screen-3</b> |                |               |                |             |                        |                             |
| MW-11-Screen-3        | Oct/Nov 2020   | MW-11-3       | NA             | NA          | 0.6 J                  | 0.05 UJ                     |

| Sample Location       | Sampling Event | Sample Number | Arsenic (µg/L) | Lead (µg/L) | Chromium, Total (µg/L) | Chromium, Hexavalent (µg/L) |
|-----------------------|----------------|---------------|----------------|-------------|------------------------|-----------------------------|
| MW-11-Screen-3        | Mar/Apr 2021   | MW-11-3       | NA             | NA          | 3.0 U                  | 0.04 UB                     |
| MW-11-Screen-3        | May/June 2021  | MW-11-3       | 3.5            | 1.00 U      | 3.0 U                  | 0.13 UB                     |
| MW-11-Screen-3        | May/June 2021  | DUP-7-2Q21    | 3.5            | 1.00 U      | 1.2 UB                 | 0.09 UB                     |
| MW-11-Screen-3        | July 2021      | MW-11-3       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-11-Screen-3        | Oct/Nov 2021   | MW-11-3       | NA             | NA          | 1.4 UB                 | 0.07 UB                     |
| MW-11-Screen-3        | Jan/Feb 2022   | MW-11-3       | NA             | NA          | 0.6 J                  | 0.07 J                      |
| <b>MW-11-Screen-4</b> |                |               |                |             |                        |                             |
| MW-11-Screen-4        | Oct/Nov 2020   | MW-11-4       | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-11-Screen-4        | May/June 2021  | MW-11-4       | 1.4 J          | 1.00 U      | 3.0 U                  | 0.14 UB                     |
| MW-11-Screen-4        | Oct/Nov 2021   | MW-11-4       | NA             | NA          | 3.0 U                  | 0.11 UB                     |
| <b>MW-11-Screen-5</b> |                |               |                |             |                        |                             |
| MW-11-Screen-5        | Oct/Nov 2020   | MW-11-5       | NA             | NA          | 1.4 J                  | 0.20 U                      |
| MW-11-Screen-5        | May/June 2021  | MW-11-5       | 5.4            | 0.13 J      | 0.8 UB                 | 0.28 UB                     |
| MW-11-Screen-5        | Oct/Nov 2021   | MW-11-5       | NA             | NA          | 3.4                    | 0.26 UB                     |
| <b>MW-12-Screen-2</b> |                |               |                |             |                        |                             |
| MW-12-Screen-2        | Oct/Nov 2020   | MW-12-2       | NA             | NA          | 1.2 J                  | 0.20 U                      |
| MW-12-Screen-2        | Mar/Apr 2021   | MW-12-2       | NA             | NA          | 1.4 J                  | 0.10 UB                     |
| MW-12-Screen-2        | May/June 2021  | MW-12-2       | 1.1 J          | 1.00 U      | 1.3 J                  | 0.09 UB                     |
| MW-12-Screen-2        | July 2021      | MW-12-2       | NA             | NA          | 3.0 UB                 | 0.20 UB                     |
| MW-12-Screen-2        | July 2021      | DUP-5-3Q21    | NA             | NA          | 3.0 UB                 | 0.20 UB                     |
| MW-12-Screen-2        | Oct/Nov 2021   | MW-12-2       | NA             | NA          | 0.8 UB                 | 0.41 UB                     |
| MW-12-Screen-2        | Oct/Nov 2021   | DUP-4-4Q21    | NA             | NA          | 0.9 UB                 | 0.41 UB                     |
| <b>MW-12-Screen-3</b> |                |               |                |             |                        |                             |
| MW-12-Screen-3        | Oct/Nov 2020   | MW-12-3       | NA             | NA          | 1.2 J                  | 0.40                        |
| MW-12-Screen-3        | Mar/Apr 2021   | MW-12-3       | NA             | NA          | 3.0 U                  | 0.26 UB                     |
| MW-12-Screen-3        | May/June 2021  | MW-12-3       | 1.2 J          | 1.00 U      | 3.0 U                  | 0.29 UB                     |
| MW-12-Screen-3        | July 2021      | MW-12-3       | NA             | NA          | 3.0 UB                 | 0.20 UB                     |
| MW-12-Screen-3        | Oct/Nov 2021   | MW-12-3       | NA             | NA          | 3.0 U                  | 0.24 UB                     |
| <b>MW-12-Screen-4</b> |                |               |                |             |                        |                             |
| MW-12-Screen-4        | Oct/Nov 2020   | MW-12-4       | NA             | NA          | 0.8 J                  | 0.71                        |
| MW-12-Screen-4        | May/June 2021  | MW-12-4       | 1.3 J          | 1.00 U      | 0.9 J                  | 0.43 UB                     |
| MW-12-Screen-4        | Oct/Nov 2021   | MW-12-4       | NA             | NA          | 1.2 UB                 | 0.43 UB                     |
| <b>MW-12-Screen-5</b> |                |               |                |             |                        |                             |
| MW-12-Screen-5        | Oct/Nov 2020   | MW-12-5       | NA             | NA          | 1.7 J                  | 1.50                        |
| MW-12-Screen-5        | May/June 2021  | MW-12-5       | 2.0            | 0.14 J      | 1.6 J                  | 1.20 J                      |
| MW-12-Screen-5        | Oct/Nov 2021   | MW-12-5       | NA             | NA          | 2.0 UB                 | 1.10 J                      |
| <b>MW-14-Screen-2</b> |                |               |                |             |                        |                             |
| MW-14-Screen-2        | Oct/Nov 2020   | MW-14-2       | NA             | NA          | 0.6 J                  | 0.64 J                      |
| MW-14-Screen-2        | Mar/Apr 2021   | MW-14-2       | NA             | NA          | 15.0 U                 | 0.28 J                      |
| MW-14-Screen-2        | May/June 2021  | MW-14-2       | 0.8 J          | 1.00 U      | 1.0 UB                 | 0.57 J                      |
| MW-14-Screen-2        | July 2021      | MW-14-2       | NA             | NA          | 0.6 J                  | 0.20 UB                     |
| MW-14-Screen-2        | July 2021      | MW-14-2       | NA             | NA          | 0.6 J                  | 0.20 UB                     |
| MW-14-Screen-2        | Oct/Nov 2021   | MW-14-2       | NA             | NA          | 0.5 J                  | 0.17 UB                     |
| MW-14-Screen-2        | Jan/Feb 2022   | MW-14-2       | NA             | NA          | 0.9 J                  | 0.20 U                      |

| Sample Location       | Sampling Event | Sample Number | Arsenic (µg/L) | Lead (µg/L) | Chromium, Total (µg/L) | Chromium, Hexavalent (µg/L) |
|-----------------------|----------------|---------------|----------------|-------------|------------------------|-----------------------------|
| <b>MW-14-Screen-3</b> |                |               |                |             |                        |                             |
| MW-14-Screen-3        | Oct/Nov 2020   | MW-14-3       | NA             | NA          | 3.0 U                  | 0.41 UJ                     |
| MW-14-Screen-3        | Mar/Apr 2021   | MW-14-3       | NA             | NA          | 3.0 U                  | <b>0.51 J</b>               |
| MW-14-Screen-3        | Mar/Apr 2021   | DUP-2-1Q21    | NA             | NA          | 3.0 U                  | <b>0.49 J</b>               |
| MW-14-Screen-3        | May/June 2021  | MW-14-3       | 2.0 U          | 1.00 U      | 0.6 UB                 | 0.44 UB                     |
| MW-14-Screen-3        | July 2021      | MW-14-3       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-14-Screen-3        | Oct/Nov 2021   | MW-14-3       | NA             | NA          | 3.0 U                  | <b>0.58 J</b>               |
| MW-14-Screen-3        | Jan/Feb 2022   | MW-14-3       | NA             | NA          | <b>0.9 J</b>           | <b>0.24</b>                 |
| <b>MW-14-Screen-4</b> |                |               |                |             |                        |                             |
| MW-14-Screen-4        | Oct/Nov 2020   | MW-14-4       | NA             | NA          | <b>2.5 J</b>           | <b>2.60</b>                 |
| MW-14-Screen-4        | May/June 2021  | MW-14-4       | 2.0 U          | 1.00 U      | 3.3 UB                 | <b>2.00 J</b>               |
| MW-14-Screen-4        | Oct/Nov 2021   | MW-14-4       | NA             | NA          | <b>2.4 J</b>           | <b>2.10 J</b>               |
| <b>MW-14-Screen-5</b> |                |               |                |             |                        |                             |
| MW-14-Screen-5        | Oct/Nov 2020   | MW-14-5       | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-14-Screen-5        | May/June 2021  | MW-14-5       | <b>1.2 J</b>   | 1.00 U      | 0.6 UB                 | 0.30 UB                     |
| MW-14-Screen-5        | Oct/Nov 2021   | MW-14-5       | NA             | NA          | <b>0.7 J</b>           | 0.30 UB                     |
| <b>MW-15</b>          |                |               |                |             |                        |                             |
| MW-15                 | Oct/Nov 2020   | MW-15         | NA             | NA          | <b>7.2</b>             | 0.30 UJ                     |
| MW-15                 | Oct/Nov 2020   | DUP-8-4Q20    | NA             | NA          | <b>21.0</b>            | 0.33 UJ                     |
| MW-15                 | Mar/Apr 2021   | MW-15         | NA             | NA          | <b>0.9 J</b>           | <b>0.51 J</b>               |
| MW-15                 | May/June 2021  | MW-15         | <b>0.7 J</b>   | 1.00 U      | <b>0.6 J</b>           | <b>0.52 J</b>               |
| MW-15                 | July 2021      | MW-15         | NA             | NA          | <b>5.6 J</b>           | 0.20 UB                     |
| MW-15                 | July 2021      | DUP-7-3Q21    | NA             | NA          | <b>9.2 J</b>           | <b>0.67 J</b>               |
| MW-15                 | Oct/Nov 2021   | MW-15         | NA             | NA          | <b>14.0 J</b>          | 0.25 UB                     |
| MW-15                 | Jan/Feb 2022   | MW-15         | NA             | NA          | <b>3.5 J</b>           | <b>0.69</b>                 |
| <b>MW-17-Screen-2</b> |                |               |                |             |                        |                             |
| MW-17-Screen-2        | Oct/Nov 2020   | MW-17-2       | NA             | NA          | <b>0.7 J</b>           | 0.20 U                      |
| MW-17-Screen-2        | Mar/Apr 2021   | MW-17-2       | NA             | NA          | 3.0 U                  | 0.04 UB                     |
| MW-17-Screen-2        | May/June 2021  | MW-17-2       | 2.0 U          | 1.00 U      | 3.0 U                  | 0.07 UB                     |
| MW-17-Screen-2        | May/June 2021  | DUP-5-2Q21    | 2.0 U          | 1.00 U      | 3.0 U                  | 0.05 UB                     |
| MW-17-Screen-2        | July 2021      | MW-17-2       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-17-Screen-2        | Oct/Nov 2021   | MW-17-2       | NA             | NA          | 3.0 U                  | 0.07 UB                     |
| MW-17-Screen-2        | Jan/Feb 2022   | MW-17-2       | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-17-Screen-2        | Jan/Feb 2022   | DUP-4-1Q22    | NA             | NA          | 3.0 U                  | 0.09 UJ                     |
| <b>MW-17-Screen-3</b> |                |               |                |             |                        |                             |
| MW-17-Screen-3        | Oct/Nov 2020   | MW-17-3       | NA             | NA          | <b>1.1 J</b>           | 0.14 UJ                     |
| MW-17-Screen-3        | Mar/Apr 2021   | MW-17-3       | NA             | NA          | 3.0 U                  | 0.04 UB                     |
| MW-17-Screen-3        | May/June 2021  | MW-17-3       | 2.0 U          | 1.00 U      | 3.0 U                  | 0.05 UB                     |
| MW-17-Screen-3        | July 2021      | MW-17-3       | NA             | NA          | 3.0 U                  | NA                          |
| MW-17-Screen-3        | Oct/Nov 2021   | MW-17-3       | NA             | NA          | 0.6 UB                 | 0.06 UB                     |
| MW-17-Screen-3        | Oct/Nov 2021   | DUP-2-4Q21    | NA             | NA          | 3.0 U                  | 0.07 UB                     |
| MW-17-Screen-3        | Jan/Feb 2022   | MW-17-3       | NA             | NA          | <b>1.6 J</b>           | 0.20 U                      |
| <b>MW-17-Screen-4</b> |                |               |                |             |                        |                             |
| MW-17-Screen-4        | Oct/Nov 2020   | MW-17-4       | NA             | NA          | <b>1.9 J</b>           | <b>1.90</b>                 |
| MW-17-Screen-4        | Mar/Apr 2021   | MW-17-4       | NA             | NA          | <b>1.9 J</b>           | <b>1.80 J</b>               |

| Sample Location       | Sampling Event | Sample Number | Arsenic (µg/L) | Lead (µg/L) | Chromium, Total (µg/L) | Chromium, Hexavalent (µg/L) |
|-----------------------|----------------|---------------|----------------|-------------|------------------------|-----------------------------|
| MW-17-Screen-4        | May/June 2021  | MW-17-4       | 2.1            | 1.00 U      | 1.3 J                  | 0.77 J                      |
| MW-17-Screen-4        | July 2021      | MW-17-4       | NA             | NA          | 2.0 J                  | 2.30 J                      |
| MW-17-Screen-4        | July 2021      | DUP-2-3Q21    | NA             | NA          | 1.8 J                  | 2.40 J                      |
| MW-17-Screen-4        | Oct/Nov 2021   | MW-17-4       | NA             | NA          | 2.2 J                  | 2.20 J                      |
| MW-17-Screen-4        | Jan/Feb 2022   | MW-17-4       | NA             | NA          | 2.4 J                  | 1.50                        |
| <b>MW-17-Screen-5</b> |                |               |                |             |                        |                             |
| MW-17-Screen-5        | Oct/Nov 2020   | MW-17-5       | NA             | NA          | 3.1                    | 1.90                        |
| MW-17-Screen-5        | May/June 2021  | MW-17-5       | 1.2 J          | 0.21 J      | 1.5 J                  | 0.67 J                      |
| MW-17-Screen-5        | Oct/Nov 2021   | MW-17-5       | NA             | NA          | 2.2 J                  | 1.50 J                      |
| <b>MW-18-Screen-2</b> |                |               |                |             |                        |                             |
| MW-18-Screen-2        | Oct/Nov 2020   | MW-18-2       | NA             | NA          | 0.6 J                  | 0.20 U                      |
| MW-18-Screen-2        | Mar/Apr 2021   | MW-18-2       | NA             | NA          | 3.0 U                  | 0.16 UB                     |
| MW-18-Screen-2        | May/June 2021  | MW-18-2       | 2.0 U          | 1.00 U      | 3.0 U                  | 0.08 UB                     |
| MW-18-Screen-2        | July 2021      | MW-18-2       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-18-Screen-2        | Oct/Nov 2021   | MW-18-2       | NA             | NA          | 3.0 U                  | 0.10 UB                     |
| MW-18-Screen-2        | Jan/Feb 2022   | MW-18-2       | NA             | NA          | 3.0 U                  | 0.19 J                      |
| <b>MW-18-Screen-3</b> |                |               |                |             |                        |                             |
| MW-18-Screen-3        | Oct/Nov 2020   | MW-18-3       | NA             | NA          | 1.7 J                  | 1.80                        |
| MW-18-Screen-3        | Mar/Apr 2021   | MW-18-3       | NA             | NA          | 1.6 J                  | 1.80 J                      |
| MW-18-Screen-3        | May/June 2021  | MW-18-3       | 2.0 U          | 1.00 U      | 1.5 J                  | 1.20 J                      |
| MW-18-Screen-3        | May/June 2021  | DUP-4-2Q21    | 0.9 J          | 0.63 J      | 2.8 J                  | 1.20 J                      |
| MW-18-Screen-3        | July 2021      | MW-18-3       | NA             | NA          | 2.1 J                  | 2.30 J                      |
| MW-18-Screen-3        | Oct/Nov 2021   | MW-18-3       | NA             | NA          | 1.3 J                  | 1.60 J                      |
| MW-18-Screen-3        | Jan/Feb 2022   | MW-18-3       | NA             | NA          | 2.0 J                  | 1.80                        |
| <b>MW-18-Screen-4</b> |                |               |                |             |                        |                             |
| MW-18-Screen-4        | Oct/Nov 2020   | MW-18-4       | NA             | NA          | 3.0                    | 2.90                        |
| MW-18-Screen-4        | Mar/Apr 2021   | MW-18-4       | NA             | NA          | 3.1                    | 2.70 J                      |
| MW-18-Screen-4        | Mar/Apr 2021   | DUP-5-1Q21    | NA             | NA          | 2.8 J                  | 2.60 J                      |
| MW-18-Screen-4        | May/June 2021  | MW-18-4       | 2.0 U          | 0.10 J      | 2.9 J                  | 1.00 J                      |
| MW-18-Screen-4        | July 2021      | MW-18-4       | NA             | NA          | 3.1                    | 3.40 J                      |
| MW-18-Screen-4        | Oct/Nov 2021   | MW-18-4       | NA             | NA          | 2.5 J                  | 2.30 J                      |
| MW-18-Screen-4        | Oct/Nov 2021   | DUP-6-4Q21    | NA             | NA          | 2.6 J                  | 2.20 J                      |
| MW-18-Screen-4        | Jan/Feb 2022   | MW-18-4       | NA             | NA          | 7.6                    | 1.60                        |
| <b>MW-18-Screen-5</b> |                |               |                |             |                        |                             |
| MW-18-Screen-5        | Oct/Nov 2020   | MW-18-5       | NA             | NA          | 0.7 J                  | 0.20 U                      |
| MW-18-Screen-5        | May/June 2021  | MW-18-5       | 2.0 U          | 0.10 J      | 3.0 U                  | 0.14 UB                     |
| MW-18-Screen-5        | Oct/Nov 2021   | MW-18-5       | NA             | NA          | 3.0 U                  | 0.12 UB                     |
| <b>MW-19-Screen-1</b> |                |               |                |             |                        |                             |
| MW-19-Screen-1        | Oct/Nov 2020   | MW-19-1       | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-19-Screen-1        | May/June 2021  | MW-19-1       | 2.0 U          | 1.00 U      | 3.0 U                  | 0.15 UB                     |
| MW-19-Screen-1        | Oct/Nov 2021   | MW-19-1       | NA             | NA          | 3.0 U                  | 0.33 UB                     |
| <b>MW-19-Screen-2</b> |                |               |                |             |                        |                             |
| MW-19-Screen-2        | Oct/Nov 2020   | MW-19-2       | NA             | NA          | 3.2                    | 0.43 J                      |
| MW-19-Screen-2        | May/June 2021  | MW-19-2       | 2.0 U          | 1.00 U      | 2.1 UB                 | 0.87 J                      |
| MW-19-Screen-2        | Oct/Nov 2021   | MW-19-2       | NA             | NA          | 1.2 J                  | 0.13 UB                     |

| Sample Location       | Sampling Event | Sample Number | Arsenic (µg/L) | Lead (µg/L) | Chromium, Total (µg/L) | Chromium, Hexavalent (µg/L) |
|-----------------------|----------------|---------------|----------------|-------------|------------------------|-----------------------------|
| MW-19-Screen-2        | Oct/Nov 2021   | DUP-8-4Q21    | NA             | NA          | 0.9 J                  | 0.13 UB                     |
| <b>MW-19-Screen-3</b> |                |               |                |             |                        |                             |
| MW-19-Screen-3        | Oct/Nov 2020   | MW-19-3       | NA             | NA          | 2.7 J                  | 2.00                        |
| MW-19-Screen-3        | Oct/Nov 2020   | DUP-2-4Q20    | NA             | NA          | 2.7 J                  | 2.20                        |
| MW-19-Screen-3        | May/June 2021  | MW-19-3       | 1.8 J          | 1.00 U      | 2.2 J                  | 0.84 J                      |
| MW-19-Screen-3        | Oct/Nov 2021   | MW-19-3       | NA             | NA          | 1.7 J                  | 0.40 UB                     |
| <b>MW-19-Screen-4</b> |                |               |                |             |                        |                             |
| MW-19-Screen-4        | Oct/Nov 2020   | MW-19-4       | NA             | NA          | 2.6 J                  | 2.60                        |
| MW-19-Screen-4        | May/June 2021  | MW-19-4       | 1.2 J          | 1.00 U      | 2.5 J                  | 1.30 J                      |
| MW-19-Screen-4        | Oct/Nov 2021   | MW-19-4       | NA             | NA          | 2.2 J                  | 2.60 J                      |
| <b>MW-19-Screen-5</b> |                |               |                |             |                        |                             |
| MW-19-Screen-5        | Oct/Nov 2020   | MW-19-5       | NA             | NA          | 2.3 J                  | 2.40                        |
| MW-19-Screen-5        | May/June 2021  | MW-19-5       | 1.3 J          | 1.00 U      | 2.3 J                  | 1.10 J                      |
| MW-19-Screen-5        | Oct/Nov 2021   | MW-19-5       | NA             | NA          | 1.8 J                  | 2.30 J                      |
| <b>MW-20-Screen-2</b> |                |               |                |             |                        |                             |
| MW-20-Screen-2        | Oct/Nov 2020   | MW-20-2       | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-20-Screen-2        | Oct/Nov 2020   | DUP-1-4Q20    | NA             | NA          | 1.6 J                  | 0.20 U                      |
| MW-20-Screen-2        | Mar/Apr 2021   | MW-20-2       | NA             | NA          | 3.0 U                  | 0.20 UJ                     |
| MW-20-Screen-2        | May/June 2021  | MW-20-2       | 2.0 U          | 1.00 U      | 3.0 U                  | 0.09 UB                     |
| MW-20-Screen-2        | July 2021      | MW-20-2       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-20-Screen-2        | Oct/Nov 2021   | MW-20-2       | NA             | NA          | 3.0 U                  | 0.06 UB                     |
| MW-20-Screen-2        | Jan/Feb 2022   | MW-20-2       | NA             | NA          | 1.1 J                  | 0.05 J                      |
| MW-20-Screen-2        | Jan/Feb 2022   | DUP-1-1Q22    | NA             | NA          | 3.0 U                  | 0.08 J                      |
| <b>MW-20-Screen-3</b> |                |               |                |             |                        |                             |
| MW-20-Screen-3        | Oct/Nov 2020   | MW-20-3       | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-20-Screen-3        | Mar/Apr 2021   | MW-20-3       | NA             | NA          | 3.0 U                  | 0.20 UJ                     |
| MW-20-Screen-3        | May/June 2021  | MW-20-3       | 1.2 J          | 1.00 U      | 0.9 J                  | 0.05 UB                     |
| MW-20-Screen-3        | May/June 2021  | DUP-8-2Q21    | 1.6 J          | 1.00 U      | 0.7 J                  | 0.14 UB                     |
| MW-20-Screen-3        | July 2021      | MW-20-3       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-20-Screen-3        | Oct/Nov 2021   | MW-20-3       | NA             | NA          | 3.0 U                  | 0.09 UB                     |
| MW-20-Screen-3        | Oct/Nov 2021   | DUP-5-4Q21    | NA             | NA          | 3.0 U                  | 0.10 UB                     |
| MW-20-Screen-3        | Jan/Feb 2022   | MW-20-3       | NA             | NA          | 1.1 J                  | 0.17 J                      |
| <b>MW-20-Screen-4</b> |                |               |                |             |                        |                             |
| MW-20-Screen-4        | Oct/Nov 2020   | MW-20-4       | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-20-Screen-4        | Mar/Apr 2021   | MW-20-4       | NA             | NA          | 3.0 U                  | 0.08 UB                     |
| MW-20-Screen-4        | May/June 2021  | MW-20-4       | 2.0 U          | 1.00 U      | 3.0 U                  | 0.12 UB                     |
| MW-20-Screen-4        | July 2021      | MW-20-4       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-20-Screen-4        | Oct/Nov 2021   | MW-20-4       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-20-Screen-4        | Jan/Feb 2022   | MW-20-4       | NA             | NA          | 3.0 U                  | 0.25 J                      |
| <b>MW-20-Screen-5</b> |                |               |                |             |                        |                             |
| MW-20-Screen-5        | Oct/Nov 2020   | MW-20-5       | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-20-Screen-5        | Mar/Apr 2021   | MW-20-5       | NA             | NA          | 3.0 U                  | 0.10 UB                     |
| MW-20-Screen-5        | May/June 2021  | MW-20-5       | 1.3 J          | 1.00 U      | 0.9 J                  | 0.23 UB                     |
| MW-20-Screen-5        | July 2021      | MW-20-5       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-20-Screen-5        | Oct/Nov 2021   | MW-20-5       | NA             | NA          | 3.0 U                  | 0.18 UB                     |



| Sample Location       | Sampling Event | Sample Number | Arsenic (µg/L) | Lead (µg/L) | Chromium, Total (µg/L) | Chromium, Hexavalent (µg/L) |
|-----------------------|----------------|---------------|----------------|-------------|------------------------|-----------------------------|
| MW-20-Screen-5        | Jan/Feb 2022   | MW-20-5       | NA             | NA          | 3.0 U                  | 0.13 J                      |
| <b>MW-21-Screen-2</b> |                |               |                |             |                        |                             |
| MW-21-Screen-2        | Oct/Nov 2020   | MW-21-2       | NA             | NA          | 0.5 J                  | 0.20 U                      |
| MW-21-Screen-2        | Oct/Nov 2020   | DUP-5-4Q20    | NA             | NA          | 3.0 U                  | 0.24 UJ                     |
| MW-21-Screen-2        | Mar/Apr 2021   | MW-21-2       | NA             | NA          | 3.0 U                  | 0.22 J                      |
| MW-21-Screen-2        | May/June 2021  | MW-21-2       | 2.0 U          | 1.00 U      | 3.0 U                  | 0.10 UB                     |
| MW-21-Screen-2        | May/June 2021  | DUP-6-2Q21    | 2.0 U          | 1.00 U      | 3.0 U                  | 0.04 UB                     |
| MW-21-Screen-2        | July 2021      | MW-21-2       | NA             | NA          | 3.0 UJ                 | 0.20 UB                     |
| MW-21-Screen-2        | Oct/Nov 2021   | MW-21-2       | NA             | NA          | 0.5 UB                 | 0.26 UB                     |
| MW-21-Screen-2        | Jan/Feb 2022   | MW-21-2       | NA             | NA          | 3.0 U                  | 0.07 UJ                     |
| <b>MW-21-Screen-3</b> |                |               |                |             |                        |                             |
| MW-21-Screen-3        | Oct/Nov 2020   | MW-21-3       | NA             | NA          | 3.0 U                  | 0.57                        |
| MW-21-Screen-3        | Mar/Apr 2021   | MW-21-3       | NA             | NA          | 3.0 U                  | 0.82 J                      |
| MW-21-Screen-3        | Mar/Apr 2021   | DUP-7-1Q21    | NA             | NA          | 3.0 U                  | 0.83 J                      |
| MW-21-Screen-3        | May/June 2021  | MW-21-3       | 0.9 J          | 1.00 U      | 1.1 J                  | 0.52 J                      |
| MW-21-Screen-3        | July 2021      | MW-21-3       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-21-Screen-3        | July 2021      | DUP-6-3Q21    | NA             | NA          | 3.0 UJ                 | 0.20 UB                     |
| MW-21-Screen-3        | Oct/Nov 2021   | MW-21-3       | NA             | NA          | 0.6 UB                 | 0.52 UB                     |
| MW-21-Screen-3        | Jan/Feb 2022   | MW-21-3       | NA             | NA          | 3.0 U                  | 0.12 UJ                     |
| MW-21-Screen-3        | Jan/Feb 2022   | DUP-7-1Q22    | NA             | NA          | 3.0 U                  | 0.10 UJ                     |
| <b>MW-21-Screen-4</b> |                |               |                |             |                        |                             |
| MW-21-Screen-4        | Oct/Nov 2020   | MW-21-4       | NA             | NA          | 1.4 J                  | 1.60                        |
| MW-21-Screen-4        | Mar/Apr 2021   | MW-21-4       | NA             | NA          | 1.2 J                  | 1.30 J                      |
| MW-21-Screen-4        | May/June 2021  | MW-21-4       | 2.0 U          | 0.10 J      | 3.0 U                  | 0.76 J                      |
| MW-21-Screen-4        | July 2021      | MW-21-4       | NA             | NA          | 1.3 J                  | 1.50 J                      |
| MW-21-Screen-4        | Oct/Nov 2021   | MW-21-4       | NA             | NA          | 1.6 UB                 | 1.10 J                      |
| MW-21-Screen-4        | Jan/Feb 2022   | MW-21-4       | NA             | NA          | 1.1 J                  | 1.30 J                      |
| <b>MW-21-Screen-5</b> |                |               |                |             |                        |                             |
| MW-21-Screen-5        | Oct/Nov 2020   | MW-21-5       | NA             | NA          | 1.0 J                  | 1.40                        |
| MW-21-Screen-5        | Mar/Apr 2021   | MW-21-5       | NA             | NA          | 0.5 J                  | 1.30 J                      |
| MW-21-Screen-5        | May/June 2021  | MW-21-5       | 2.0 U          | 0.16 J      | 3.0 U                  | 0.61 J                      |
| MW-21-Screen-5        | July 2021      | MW-21-5       | NA             | NA          | 1.1 J                  | 1.40 J                      |
| MW-21-Screen-5        | Oct/Nov 2021   | MW-21-5       | NA             | NA          | 1.5 UB                 | 1.20 J                      |
| MW-21-Screen-5        | Jan/Feb 2022   | MW-21-5       | NA             | NA          | 1.5 J                  | 1.20 J                      |
| <b>MW-22-Screen-1</b> |                |               |                |             |                        |                             |
| MW-22-Screen-1        | Oct/Nov 2020   | MW-22-1       | NA             | NA          | 3.0 U                  | 0.72                        |
| MW-22-Screen-1        | Mar/Apr 2021   | MW-22-1       | NA             | NA          | 0.6 J                  | 0.90 J                      |
| MW-22-Screen-1        | May/June 2021  | MW-22-1       | 2.0 U          | 1.00 U      | 0.7 J                  | 0.73                        |
| MW-22-Screen-1        | Jan/Feb 2022   | MW-22-1       | NA             | NA          | 1.8 J                  | 0.72                        |
| <b>MW-22-Screen-2</b> |                |               |                |             |                        |                             |
| MW-22-Screen-2        | Oct/Nov 2020   | MW-22-2       | NA             | NA          | 1.2 J                  | 1.80                        |
| MW-22-Screen-2        | Mar/Apr 2021   | MW-22-2       | NA             | NA          | 1.6 J                  | 1.90 J                      |
| MW-22-Screen-2        | May/June 2021  | MW-22-2       | 2.0 U          | 1.00 U      | 1.5 J                  | 2.10                        |
| MW-22-Screen-2        | July 2021      | MW-22-2       | NA             | NA          | 2.1 J                  | 2.20 J                      |
| MW-22-Screen-2        | Oct/Nov 2021   | MW-22-2       | NA             | NA          | 1.5 J                  | 2.00 J                      |

| Sample Location       | Sampling Event | Sample Number | Arsenic (µg/L) | Lead (µg/L) | Chromium, Total (µg/L) | Chromium, Hexavalent (µg/L) |
|-----------------------|----------------|---------------|----------------|-------------|------------------------|-----------------------------|
| MW-22-Screen-2        | Jan/Feb 2022   | MW-22-2       | NA             | NA          | 2.3 J                  | 1.40                        |
| <b>MW-22-Screen-3</b> |                |               |                |             |                        |                             |
| MW-22-Screen-3        | Oct/Nov 2020   | MW-22-3       | NA             | NA          | 1.4 J                  | 2.50                        |
| MW-22-Screen-3        | Mar/Apr 2021   | MW-22-3       | NA             | NA          | 1.9 J                  | 2.30 J                      |
| MW-22-Screen-3        | Mar/Apr 2021   | DUP-3-1Q21    | NA             | NA          | 1.6 J                  | 2.30 J                      |
| MW-22-Screen-3        | May/June 2021  | MW-22-3       | 2.0 U          | 1.00 U      | 1.6 J                  | 1.30                        |
| MW-22-Screen-3        | July 2021      | MW-22-3       | NA             | NA          | 1.5 J                  | 1.60 J                      |
| MW-22-Screen-3        | Oct/Nov 2021   | MW-22-3       | NA             | NA          | 1.4 J                  | 2.20 J                      |
| MW-22-Screen-3        | Jan/Feb 2022   | MW-22-3       | NA             | NA          | 2.4 J                  | 2.10                        |
| <b>MW-22-Screen-4</b> |                |               |                |             |                        |                             |
| MW-22-Screen-4        | Oct/Nov 2020   | MW-22-4       | NA             | NA          | 2.0 J                  | 2.90                        |
| MW-22-Screen-4        | May/June 2021  | MW-22-4       | 0.7 J          | 1.00 U      | 2.6 J                  | 1.70                        |
| MW-22-Screen-4        | Oct/Nov 2021   | MW-22-4       | NA             | NA          | 2.2 J                  | 2.50 J                      |
| <b>MW-22-Screen-5</b> |                |               |                |             |                        |                             |
| MW-22-Screen-5        | Oct/Nov 2020   | MW-22-5       | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-22-Screen-5        | May/June 2021  | MW-22-5       | 2.0 U          | 0.11 J      | 3.0 U                  | 0.20                        |
| MW-22-Screen-5        | Oct/Nov 2021   | MW-22-5       | NA             | NA          | 3.0 U                  | 0.17 UB                     |
| <b>MW-23-Screen-1</b> |                |               |                |             |                        |                             |
| MW-23-Screen-1        | Oct/Nov 2020   | MW-23-1       | NA             | NA          | 1.3 J                  | 1.30                        |
| <b>MW-23-Screen-2</b> |                |               |                |             |                        |                             |
| MW-23-Screen-2        | Oct/Nov 2020   | MW-23-2       | NA             | NA          | 1.3 J                  | 1.10 J                      |
| MW-23-Screen-2        | Oct/Nov 2020   | DUP-4-4Q20    | NA             | NA          | 1.5 J                  | 1.30 J                      |
| MW-23-Screen-2        | Mar/Apr 2021   | MW-23-2       | NA             | NA          | 0.7 J                  | 2.00 J                      |
| MW-23-Screen-2        | May/June 2021  | MW-23-2       | 1.0 J          | 1.00 U      | 1.5 J                  | 1.20 J                      |
| MW-23-Screen-2        | July 2021      | MW-23-2       | NA             | NA          | 3.0 U                  | 2.10 J                      |
| MW-23-Screen-2        | Oct/Nov 2021   | MW-23-2       | NA             | NA          | 1.7 J                  | 1.90 J                      |
| MW-23-Screen-2        | Jan/Feb 2022   | MW-23-2       | NA             | NA          | 1.8 J                  | 1.50 J                      |
| MW-23-Screen-2        | Jan/Feb 2022   | DUP-5-1Q22    | NA             | NA          | 1.5 J                  | 1.50                        |
| <b>MW-23-Screen-3</b> |                |               |                |             |                        |                             |
| MW-23-Screen-3        | Oct/Nov 2020   | MW-23-3       | NA             | NA          | 2.7 J                  | 2.80                        |
| MW-23-Screen-3        | Mar/Apr 2021   | MW-23-3       | NA             | NA          | 2.6 J                  | 3.30 J                      |
| MW-23-Screen-3        | May/June 2021  | MW-23-3       | 1.1 J          | 1.00 U      | 2.7 J                  | 3.00 J                      |
| MW-23-Screen-3        | May/June 2021  | DUP-1-2Q21    | 1.0 J          | 1.00 U      | 2.6 J                  | 3.00                        |
| MW-23-Screen-3        | July 2021      | MW-23-3       | NA             | NA          | 1.7 J                  | 3.40 J                      |
| MW-23-Screen-3        | July 2021      | DUP-4-3Q21    | NA             | NA          | 1.6 J                  | 3.50 J                      |
| MW-23-Screen-3        | Oct/Nov 2021   | MW-23-3       | NA             | NA          | 2.9 J                  | 3.30 J                      |
| MW-23-Screen-3        | Jan/Feb 2022   | MW-23-3       | NA             | NA          | 3.1                    | 2.80 J                      |
| <b>MW-23-Screen-4</b> |                |               |                |             |                        |                             |
| MW-23-Screen-4        | Oct/Nov 2020   | MW-23-4       | NA             | NA          | 3.1                    | 3.60 J                      |
| MW-23-Screen-4        | Mar/Apr 2021   | MW-23-4       | NA             | NA          | 2.7 J                  | 3.40 J                      |
| MW-23-Screen-4        | May/June 2021  | MW-23-4       | 1.1 J          | 0.11 J      | 3.2                    | 2.60 J                      |
| MW-23-Screen-4        | July 2021      | MW-23-4       | NA             | NA          | 2.8 J                  | 4.00 J                      |
| MW-23-Screen-4        | Oct/Nov 2021   | MW-23-4       | NA             | NA          | 3.8                    | 4.00 J                      |
| MW-23-Screen-4        | Jan/Feb 2022   | MW-23-4       | NA             | NA          | 3.9                    | 4.10                        |

| Sample Location       | Sampling Event | Sample Number | Arsenic (µg/L) | Lead (µg/L) | Chromium, Total (µg/L) | Chromium, Hexavalent (µg/L) |
|-----------------------|----------------|---------------|----------------|-------------|------------------------|-----------------------------|
| <b>MW-23-Screen-5</b> |                |               |                |             |                        |                             |
| MW-23-Screen-5        | Oct/Nov 2020   | MW-23-5       | NA             | NA          | 2.3 J                  | 0.20 U                      |
| MW-23-Screen-5        | May/June 2021  | MW-23-5       | 1.8 J          | 0.55 J      | 1.7 J                  | 0.24 UB                     |
| MW-23-Screen-5        | Oct/Nov 2021   | MW-23-5       | NA             | NA          | 3.0 U                  | 0.13 UB                     |
| <b>MW-24-Screen-1</b> |                |               |                |             |                        |                             |
| MW-24-Screen-1        | Oct/Nov 2020   | MW-24-1       | NA             | NA          | 0.7 J                  | 0.24                        |
| MW-24-Screen-1        | Mar/Apr 2021   | MW-24-1       | NA             | NA          | 3.0 U                  | 0.09 UB                     |
| MW-24-Screen-1        | May/June 2021  | MW-24-1       | 2.0 U          | 1.00 U      | 0.7 J                  | 0.16 UB                     |
| MW-24-Screen-1        | July 2021      | MW-24-1       | NA             | NA          | 1.4 J                  | NA                          |
| MW-24-Screen-1        | Oct/Nov 2021   | MW-24-1       | NA             | NA          | 2.6 J                  | 0.22 UB                     |
| MW-24-Screen-1        | Jan/Feb 2022   | MW-24-1       | NA             | NA          | 5.6                    | 1.10                        |
| <b>MW-24-Screen-2</b> |                |               |                |             |                        |                             |
| MW-24-Screen-2        | Oct/Nov 2020   | MW-24-2       | NA             | NA          | 2.0 J                  | 0.20 U                      |
| MW-24-Screen-2        | Mar/Apr 2021   | MW-24-2       | NA             | NA          | 1.8 J                  | 2.30 J                      |
| MW-24-Screen-2        | Mar/Apr 2021   | DUP-4-1Q21    | NA             | NA          | 1.7 J                  | 2.30 J                      |
| MW-24-Screen-2        | May/June 2021  | MW-24-2       | 1.9 J          | 1.00 U      | 2.3 J                  | 2.00 J                      |
| MW-24-Screen-2        | July 2021      | MW-24-2       | NA             | NA          | 2.0 J                  | 2.30 J                      |
| MW-24-Screen-2        | Oct/Nov 2021   | MW-24-2       | NA             | NA          | 1.1 J                  | 2.10 J                      |
| MW-24-Screen-2        | Jan/Feb 2022   | MW-24-2       | NA             | NA          | 0.8 J                  | 0.31                        |
| <b>MW-24-Screen-3</b> |                |               |                |             |                        |                             |
| MW-24-Screen-3        | Oct/Nov 2020   | MW-24-3       | NA             | NA          | 3.0 U                  | 0.09 UJ                     |
| MW-24-Screen-3        | Oct/Nov 2020   | DUP-3-4Q20    | NA             | NA          | 3.0 U                  | 0.20 U                      |
| MW-24-Screen-3        | Mar/Apr 2021   | MW-24-3       | NA             | NA          | 3.0 U                  | 0.07 UB                     |
| MW-24-Screen-3        | May/June 2021  | MW-24-3       | 1.4 J          | 1.00 U      | 3.0 U                  | 0.10 UB                     |
| MW-24-Screen-3        | July 2021      | MW-24-3       | NA             | NA          | 0.5 J                  | NA                          |
| MW-24-Screen-3        | Oct/Nov 2021   | MW-24-3       | NA             | NA          | 3.0 U                  | 0.04 UB                     |
| MW-24-Screen-3        | Jan/Feb 2022   | MW-24-3       | NA             | NA          | 0.9 J                  | 0.20 U                      |
| <b>MW-24-Screen-4</b> |                |               |                |             |                        |                             |
| MW-24-Screen-4        | Oct/Nov 2020   | MW-24-4       | NA             | NA          | 3.0 U                  | 0.10 UJ                     |
| MW-24-Screen-4        | Mar/Apr 2021   | MW-24-4       | NA             | NA          | 3.0 U                  | 0.13 UB                     |
| MW-24-Screen-4        | May/June 2021  | MW-24-4       | 1.0 J          | 1.00 U      | 3.0 U                  | 0.12 UB                     |
| MW-24-Screen-4        | July 2021      | MW-24-4       | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-24-Screen-4        | July 2021      | DUP-3-3Q21    | NA             | NA          | 3.0 U                  | 0.20 UB                     |
| MW-24-Screen-4        | Oct/Nov 2021   | MW-24-4       | NA             | NA          | 3.0 U                  | 0.17 UB                     |
| MW-24-Screen-4        | Jan/Feb 2022   | MW-24-4       | NA             | NA          | 2.5 J                  | 0.11 J                      |
| <b>MW-24-Screen-5</b> |                |               |                |             |                        |                             |
| MW-24-Screen-5        | Oct/Nov 2020   | MW-24-5       | NA             | NA          | 1.8 J                  | 2.60                        |
| MW-24-Screen-5        | May/June 2021  | MW-24-5       | 2.5            | 1.00 U      | 2.4 J                  | 2.60 J                      |
| MW-24-Screen-5        | Oct/Nov 2021   | MW-24-5       | NA             | NA          | 2.5 J                  | 2.50 J                      |
| <b>MW-25-Screen-1</b> |                |               |                |             |                        |                             |
| MW-25-Screen-1        | Oct/Nov 2020   | MW-25-1       | NA             | NA          | 2.4 J                  | 0.66                        |
| MW-25-Screen-1        | Mar/Apr 2021   | MW-25-1       | NA             | NA          | 0.6 J                  | 0.47 J                      |
| MW-25-Screen-1        | Mar/Apr 2021   | DUP-1-1Q21    | NA             | NA          | 0.5 J                  | 0.44 J                      |
| MW-25-Screen-1        | May/June 2021  | MW-25-1       | 0.9 J          | 1.00 U      | 1.6 J                  | 0.39 UB                     |
| MW-25-Screen-1        | July 2021      | MW-25-1       | NA             | NA          | 1.8 J                  | 0.20 UB                     |

| Sample Location       | Sampling Event | Sample Number | Arsenic (µg/L) | Lead (µg/L) | Chromium, Total (µg/L) | Chromium, Hexavalent (µg/L) |
|-----------------------|----------------|---------------|----------------|-------------|------------------------|-----------------------------|
| MW-25-Screen-1        | Oct/Nov 2021   | MW-25-1       | NA             | NA          | 1.8 J                  | 0.24 UB                     |
| MW-25-Screen-1        | Jan/Feb 2022   | MW-25-1       | NA             | NA          | 2.3 J                  | 0.17 UJ                     |
| <b>MW-25-Screen-2</b> |                |               |                |             |                        |                             |
| MW-25-Screen-2        | Oct/Nov 2020   | MW-25-2       | NA             | NA          | 2.6 J                  | 1.80                        |
| MW-25-Screen-2        | Mar/Apr 2021   | MW-25-2       | NA             | NA          | 0.8 J                  | 1.90 J                      |
| MW-25-Screen-2        | May/June 2021  | MW-25-2       | 0.9 J          | 1.00 U      | 2.3 J                  | 1.40 J                      |
| MW-25-Screen-2        | July 2021      | MW-25-2       | NA             | NA          | 1.8 J                  | 2.00 J                      |
| MW-25-Screen-2        | Oct/Nov 2021   | MW-25-2       | NA             | NA          | 2.0 J                  | 1.90 J                      |
| MW-25-Screen-2        | Jan/Feb 2022   | MW-25-2       | NA             | NA          | 2.0 J                  | 1.70 J                      |
| <b>MW-25-Screen-3</b> |                |               |                |             |                        |                             |
| MW-25-Screen-3        | Oct/Nov 2020   | MW-25-3       | NA             | NA          | 3.2                    | 3.00 J                      |
| MW-25-Screen-3        | Mar/Apr 2021   | MW-25-3       | NA             | NA          | 2.0 J                  | 3.20 J                      |
| MW-25-Screen-3        | May/June 2021  | MW-25-3       | 2.0 U          | 1.00 U      | 2.7 J                  | 2.70 J                      |
| MW-25-Screen-3        | May/June 2021  | DUP-2-2Q21    | 2.0 U          | 1.00 U      | 2.9 J                  | 2.90 J                      |
| MW-25-Screen-3        | July 2021      | MW-25-3       | NA             | NA          | 2.5 J                  | 3.30 J                      |
| MW-25-Screen-3        | Oct/Nov 2021   | MW-25-3       | NA             | NA          | 3.5                    | 3.10 J                      |
| MW-25-Screen-3        | Jan/Feb 2022   | MW-25-3       | NA             | NA          | 2.8 J                  | 1.60 J                      |
| <b>MW-25-Screen-4</b> |                |               |                |             |                        |                             |
| MW-25-Screen-4        | Oct/Nov 2020   | MW-25-4       | NA             | NA          | 1.4 J                  | 0.72 J                      |
| MW-25-Screen-4        | Mar/Apr 2021   | MW-25-4       | NA             | NA          | 3.0 U                  | 0.81 J                      |
| MW-25-Screen-4        | May/June 2021  | MW-25-4       | 1.7 J          | 1.00 U      | 1.7 J                  | 0.38 UB                     |
| MW-25-Screen-4        | July 2021      | MW-25-4       | NA             | NA          | 1.3 J                  | 0.88 J                      |
| MW-25-Screen-4        | Oct/Nov 2021   | MW-25-4       | NA             | NA          | 1.9 J                  | 0.89 J                      |
| MW-25-Screen-4        | Jan/Feb 2022   | MW-25-4       | NA             | NA          | 2.1 J                  | 0.25 UJ                     |
| <b>MW-25-Screen-5</b> |                |               |                |             |                        |                             |
| MW-25-Screen-5        | Oct/Nov 2020   | MW-25-5       | NA             | NA          | 0.6 J                  | 0.20 U                      |
| MW-25-Screen-5        | Mar/Apr 2021   | MW-25-5       | NA             | NA          | 3.0 U                  | 0.14 UB                     |
| MW-25-Screen-5        | May/June 2021  | MW-25-5       | 2.0 U          | 0.11 J      | 3.0 U                  | 0.31 UB                     |
| MW-25-Screen-5        | July 2021      | MW-25-5       | NA             | NA          | 3.0 U                  | NA                          |
| MW-25-Screen-5        | Oct/Nov 2021   | MW-25-5       | NA             | NA          | 3.0 U                  | 0.15 UB                     |
| MW-25-Screen-5        | Jan/Feb 2022   | MW-25-5       | NA             | NA          | 1.6 J                  | 0.22 UJ                     |
| <b>MW-26-Screen-1</b> |                |               |                |             |                        |                             |
| MW-26-Screen-1        | Oct/Nov 2020   | MW-26-1       | NA             | NA          | 0.5 J                  | 0.46 J                      |
| <b>MW-26-Screen-2</b> |                |               |                |             |                        |                             |
| MW-26-Screen-2        | Oct/Nov 2020   | MW-26-2       | NA             | NA          | 2.4 J                  | 0.69                        |
| MW-26-Screen-2        | Mar/Apr 2021   | MW-26-2       | NA             | NA          | 1.0 J                  | 0.46 J                      |
| MW-26-Screen-2        | Mar/Apr 2021   | DUP-6-1Q21    | NA             | NA          | 0.5 J                  | 0.44 J                      |

| Sample Location                                        | Sampling Event                                                                                                                      | Sample Number | Arsenic (µg/L) | Lead (µg/L) | Chromium, Total (µg/L) | Chromium, Hexavalent (µg/L) |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|-------------|------------------------|-----------------------------|
| MW-26-Screen-2                                         | May/June 2021                                                                                                                       | MW-26-2       | 2.0 U          | 1.00 U      | 1.4 J                  | 0.11 UB                     |
| MW-26-Screen-2                                         | July 2021                                                                                                                           | MW-26-2       | NA             | NA          | 1.2 J                  | 0.20 UB                     |
| MW-26-Screen-2                                         | Oct/Nov 2021                                                                                                                        | MW-26-2       | NA             | NA          | 1.0 J                  | 0.84 J                      |
| MW-26-Screen-2                                         | Jan/Feb 2022                                                                                                                        | MW-26-2       | NA             | NA          | 1.5 J                  | 0.20 U                      |
| <b>Analyte concentration exceeds the standard for:</b> |                                                                                                                                     |               |                |             |                        |                             |
| <b>CA MCL</b>                                          |                                                                                                                                     |               | 10.0           | 15.0*       | 50.0                   | 50.0**                      |
| <b>EPA REGION IX MCL</b>                               |                                                                                                                                     |               | 10.0           | 15.0*       | 100.0                  | NE                          |
| <b>Notes</b>                                           |                                                                                                                                     |               |                |             |                        |                             |
| DUP(E)                                                 | Field Duplicate                                                                                                                     |               |                |             |                        |                             |
| NA                                                     | Not analyzed                                                                                                                        |               |                |             |                        |                             |
| NE                                                     | Not established                                                                                                                     |               |                |             |                        |                             |
| *                                                      | Regulatory Action Level                                                                                                             |               |                |             |                        |                             |
| **                                                     | Due to a court ruling, the State Water Resources Control Board adopted a resolution on August 1, 2017 to remove the current maximum |               |                |             |                        |                             |
| J                                                      | Analyte concentration is an estimated value                                                                                         |               |                |             |                        |                             |
| U                                                      | Analyte was analyzed for but not detected at or above the stated limit                                                              |               |                |             |                        |                             |
| UB                                                     | Result should be considered "not-detected" because it was detected in a method blank or equipment blank at a similar level.         |               |                |             |                        |                             |
| UJ                                                     | Analyte was analyzed for but not detected; analyte concentration is an estimated value                                              |               |                |             |                        |                             |

**TABLE 3**  
**SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE REPORTED IN MUNICIPAL**  
**PRODUCTION WELLS NEAR JPL DURING THE LAST FIVE 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 |
|-------------------------------------------|-------------|-------------|----------------------|-------|-----|
| <b>LA CANADA IRRIGATION DIST. WELL 06</b> |             |             |                      |       |     |
|                                           | 6/28/2021   | 3.5         | 0.5 U                | 0.5 U | 0.7 |
| <b>LAS FLORES WATER CO. WELL 02</b>       |             |             |                      |       |     |
|                                           | 7/6/2020    | 4.0         | NA                   | 2.7   | NA  |
|                                           | 7/13/2020   | 5.3         | NA                   | 2.0   | NA  |
|                                           | 7/20/2020   | 4.0 U       | NA                   | 3.0   | NA  |
|                                           | 7/27/2020   | 4.3         | NA                   | 1.9   | NA  |
|                                           | 8/3/2020    | 4.1         | NA                   | 2.7   | NA  |
|                                           | 8/10/2020   | 4.6         | NA                   | 2.6   | NA  |
|                                           | 8/17/2020   | 4.0 U       | NA                   | 2.8   | NA  |
|                                           | 8/24/2020   | 4.0 U       | NA                   | 2.7   | NA  |
|                                           | 8/31/2020   | 4.3         | NA                   | 1.8   | NA  |
|                                           | 9/8/2020    | 4.4         | NA                   | 2.3   | NA  |
|                                           | 9/14/2020   | 4.9         | NA                   | 2.5   | NA  |
|                                           | 9/21/2020   | 4.2         | NA                   | 1.9   | NA  |
|                                           | 9/28/2020   | 4.1         | NA                   | 1.5   | NA  |
|                                           | 10/5/2020   | 5.1         | NA                   | 2.3   | NA  |
|                                           | 10/12/2020  | 4.0 U       | NA                   | 2.4   | NA  |
|                                           | 10/19/2020  | 4.0 U       | NA                   | 2.4   | NA  |
|                                           | 10/26/2020  | 4.0 U       | NA                   | 2.5   | NA  |
|                                           | 11/2/2020   | 4.0 U       | NA                   | 1.6   | NA  |
|                                           | 11/9/2020   | 4.0 U       | NA                   | 1.5   | NA  |
|                                           | 11/16/2020  | 4.1         | NA                   | 1.7   | NA  |
|                                           | 11/23/2020  | 4.4         | NA                   | 1.6   | NA  |
|                                           | 11/30/2020  | 4.0 U       | NA                   | 1.6   | NA  |
|                                           | 12/7/2020   | 4.3         | NA                   | 2.9   | NA  |
|                                           | 12/14/2020  | 5.2         | NA                   | 1.6   | NA  |
|                                           | 12/21/2020  | 4.2         | NA                   | 2.1   | NA  |
|                                           | 12/28/2020  | 4.0         | NA                   | 1.8   | NA  |
|                                           | 1/4/2021    | 4.1         | NA                   | 2.3   | NA  |
|                                           | 1/11/2021   | 4.0 U       | NA                   | 1.9   | NA  |
|                                           | 1/18/2021   | 4.0         | NA                   | 1.7   | NA  |
|                                           | 1/25/2021   | 4.0 U       | NA                   | 1.6   | NA  |
|                                           | 2/1/2021    | 4.0 U       | NA                   | 2.1   | NA  |
|                                           | 2/8/2021    | 5.1         | NA                   | 0.9   | NA  |
|                                           | 2/16/2021   | 4.0         | NA                   | 1.9   | NA  |
|                                           | 2/22/2021   | 4.0 U       | NA                   | 2.2   | NA  |
|                                           | 3/1/2021    | 4.0 U       | NA                   | 0.8   | NA  |
|                                           | 3/8/2021    | 4.2         | NA                   | 2.1   | NA  |

| Purveyor, Well Name                     | Sample Date | Perchlorate | Carbon tetrachloride | PCE   | TCE   |
|-----------------------------------------|-------------|-------------|----------------------|-------|-------|
|                                         | 3/15/2021   | 4.0 U       | NA                   | 1.9   | NA    |
|                                         | 3/22/2021   | 4.0 U       | NA                   | 1.9   | NA    |
|                                         | 3/29/2021   | 4.0         | NA                   | 1.9   | NA    |
|                                         | 4/5/2021    | 4.0         | NA                   | 1.7   | NA    |
|                                         | 4/12/2021   | 5.8         | NA                   | 1.6   | NA    |
|                                         | 4/19/2021   | 4.0 U       | NA                   | 1.8   | NA    |
|                                         | 4/26/2021   | 4.0 U       | NA                   | 1.4   | NA    |
|                                         | 5/3/2021    | 4.0 U       | NA                   | 0.5   | NA    |
|                                         | 5/10/2021   | 4.3         | NA                   | 1.8   | NA    |
|                                         | 5/17/2021   | 4.0 U       | NA                   | 2.1   | NA    |
|                                         | 5/24/2021   | 4.1         | NA                   | 2.0   | NA    |
|                                         | 6/1/2021    | 4.1         | NA                   | 1.5   | NA    |
|                                         | 6/7/2021    | 4.6         | NA                   | 1.9   | NA    |
|                                         | 6/14/2021   | 4.0 U       | NA                   | 2.0   | NA    |
|                                         | 6/21/2021   | 4.0 U       | NA                   | 2.3   | NA    |
|                                         | 6/28/2021   | 4.4         | NA                   | 2.8   | NA    |
|                                         | 7/6/2021    | 4.1         | NA                   | 3.1   | NA    |
|                                         | 7/12/2021   | 3.8         | NA                   | 3.4   | NA    |
|                                         | 7/19/2021   | 4.2         | NA                   | 4.3   | NA    |
|                                         | 7/26/2021   | 3.4         | NA                   | 3.9   | NA    |
|                                         | 8/2/2021    | 3.4         | NA                   | 4.1   | NA    |
|                                         | 8/10/2021   | 2.8         | NA                   | 5.1   | NA    |
|                                         | 8/16/2021   | 3.7         | NA                   | 6.8   | NA    |
|                                         | 8/23/2021   | 2.8         | NA                   | 6.5   | NA    |
|                                         | 8/30/2021   | 2.0 U       | NA                   | 7.6   | NA    |
|                                         | 9/7/2021    | 3.7         | NA                   | 9.0   | NA    |
|                                         | 9/13/2021   | 3.8         | NA                   | 8.0   | NA    |
|                                         | 9/20/2021   | 4.3         | NA                   | 7.1   | NA    |
|                                         | 9/27/2021   | 3.4         | NA                   | 9.3   | NA    |
|                                         | 10/4/2021   | 3.5         | NA                   | 9.3   | NA    |
|                                         | 10/11/2021  | 2.4         | NA                   | 10.0  | NA    |
|                                         | 10/18/2021  | 3.8         | NA                   | 8.8   | NA    |
|                                         | 10/25/2021  | 3.4         | NA                   | 8.1   | NA    |
|                                         | 11/1/2021   | 3.1         | NA                   | 9.0   | NA    |
|                                         | 11/8/2021   | 3.9         | NA                   | 7.2   | NA    |
|                                         | 11/15/2021  | 3.9         | NA                   | 8.6   | NA    |
|                                         | 11/22/2021  | 4.2         | NA                   | 7.1   | NA    |
|                                         | 11/29/2021  | 3.1         | NA                   | 9.4   | NA    |
| <b>LINCOLN AVENUE WATER CO. WELL 03</b> |             |             |                      |       |       |
|                                         | 10/13/2020  | 4.0 U       | NA                   | NA    | NA    |
| <b>LINCOLN AVENUE WATER CO. WELL 05</b> |             |             |                      |       |       |
|                                         | 8/19/2020   | 4.0         | 5.0                  | 0.5 U | 0.5 U |
|                                         | 4/27/2021   | 4.0 U       | NA                   | NA    | NA    |
|                                         | 5/3/2021    | NA          | 1.8                  | 0.5 U | 0.7   |
|                                         | 5/4/2021    | 4.2         | 3.5                  | 0.5 U | 0.6   |
|                                         | 6/4/2021    | 4.0 U       | 3.9                  | 0.5 U | 0.5 U |

| Purveyor, Well Name                     | Sample Date | Perchlorate | Carbon tetrachloride | PCE   | TCE |
|-----------------------------------------|-------------|-------------|----------------------|-------|-----|
|                                         | 6/8/2021    | 4.0 U       | NA                   | NA    | NA  |
|                                         | 6/15/2021   | 4.7         | NA                   | NA    | NA  |
|                                         | 6/22/2021   | 5.3         | NA                   | NA    | NA  |
|                                         | 6/30/2021   | 5.6         | NA                   | NA    | NA  |
|                                         | 7/6/2021    | 5.5         | NA                   | NA    | NA  |
|                                         | 7/7/2021    | NA          | 2.0                  | 0.6   | 1.0 |
|                                         | 7/13/2021   | 5.6         | NA                   | NA    | NA  |
|                                         | 7/20/2021   | 6.0         | NA                   | NA    | NA  |
|                                         | 7/27/2021   | 5.8         | NA                   | NA    | NA  |
|                                         | 8/3/2021    | 5.9         | 1.7                  | 0.5   | 1.0 |
|                                         | 8/10/2021   | 6.8         | NA                   | NA    | NA  |
| <b>LINCOLN AVENUE WATER CO. WELL #6</b> |             |             |                      |       |     |
|                                         | 7/7/2020    | 9.2         | 1.6                  | 0.6   | 1.3 |
|                                         | 7/14/2020   | 8.3         | NA                   | NA    | NA  |
|                                         | 7/21/2020   | 8.3         | NA                   | NA    | NA  |
|                                         | 7/28/2020   | 8.2         | NA                   | NA    | NA  |
|                                         | 8/4/2020    | 7.7         | 1.6                  | 0.5   | 1.0 |
|                                         | 8/11/2020   | 9.3         | NA                   | NA    | NA  |
|                                         | 8/18/2020   | 7.8         | NA                   | NA    | NA  |
|                                         | 8/25/2020   | 7.5         | NA                   | NA    | NA  |
|                                         | 9/1/2020    | 7.0         | 0.6                  | 0.6   | 1.2 |
|                                         | 9/8/2020    | 7.2         | NA                   | NA    | NA  |
|                                         | 9/15/2020   | 7.8         | NA                   | NA    | NA  |
|                                         | 9/22/2020   | 7.1         | NA                   | NA    | NA  |
|                                         | 9/29/2020   | 6.3         | NA                   | NA    | NA  |
|                                         | 10/6/2020   | 7.2         | 1.7                  | 0.5   | 1.2 |
|                                         | 10/14/2020  | 6.9         | NA                   | NA    | NA  |
|                                         | 10/20/2020  | 6.8         | NA                   | NA    | NA  |
|                                         | 10/27/2020  | 7.6         | NA                   | NA    | NA  |
|                                         | 11/3/2020   | 6.8         | 1.6                  | 0.5 U | 1.0 |
|                                         | 11/4/2020   | NA          | 1.5                  | 0.5   | 1.1 |
|                                         | 11/10/2020  | 7.3         | NA                   | NA    | NA  |
|                                         | 11/17/2020  | 6.8         | NA                   | NA    | NA  |
|                                         | 11/24/2020  | 6.6         | NA                   | NA    | NA  |
|                                         | 12/8/2020   | 6.4         | NA                   | NA    | NA  |
|                                         | 12/15/2020  | 6.7         | NA                   | NA    | NA  |
|                                         | 12/22/2020  | 5.9         | NA                   | NA    | NA  |
|                                         | 12/29/2020  | 5.7         | NA                   | NA    | NA  |
|                                         | 1/5/2021    | 6.4         | 1.7                  | 0.5   | 1.0 |
|                                         | 1/12/2021   | 6.1         | NA                   | NA    | NA  |
|                                         | 1/19/2021   | 5.6         | NA                   | NA    | NA  |
|                                         | 1/26/2021   | 5.8         | NA                   | NA    | NA  |
|                                         | 2/2/2021    | 6.1         | 1.9                  | 0.6   | 1.0 |
|                                         | 2/9/2021    | 6.4         | NA                   | NA    | NA  |
|                                         | 2/16/2021   | 6.1         | NA                   | NA    | NA  |
|                                         | 2/23/2021   | 5.7         | NA                   | NA    | NA  |



| Purveyor, Well Name                      | Sample Date | Perchlorate | Carbon tetrachloride | PCE   | TCE |
|------------------------------------------|-------------|-------------|----------------------|-------|-----|
|                                          | 3/2/2021    | 5.8         | 1.8                  | 0.6   | 1.0 |
|                                          | 3/9/2021    | 5.9         | NA                   | NA    | NA  |
|                                          | 3/16/2021   | 5.5         | NA                   | NA    | NA  |
|                                          | 3/23/2021   | 5.9         | NA                   | NA    | NA  |
|                                          | 3/30/2021   | 5.7         | NA                   | NA    | NA  |
|                                          | 4/6/2021    | 5.2         | 1.4                  | 0.5 U | 0.8 |
|                                          | 4/12/2021   | 5.2         | NA                   | NA    | NA  |
|                                          | 4/20/2021   | 5.4         | NA                   | NA    | NA  |
|                                          | 5/4/2021    | 9.9         | 0.9                  | 0.8   | 1.6 |
|                                          | 5/11/2021   | 7.1         | NA                   | NA    | NA  |
|                                          | 5/18/2021   | 6.1         | NA                   | NA    | NA  |
|                                          | 5/25/2021   | 5.6         | NA                   | NA    | NA  |
|                                          | 6/1/2021    | 5.6         | 1.6                  | 0.5   | 1.0 |
|                                          | 8/17/2021   | 5.8         | 0.8                  | 0.7   | 1.1 |
|                                          | 8/24/2021   | 5.2         | NA                   | NA    | NA  |
|                                          | 8/31/2021   | 3.5         | NA                   | NA    | NA  |
|                                          | 9/9/2021    | 5.5         | NA                   | NA    | NA  |
|                                          | 9/10/2021   | NA          | 1.3                  | 0.6   | 0.9 |
|                                          | 9/14/2021   | 5.7         | NA                   | NA    | NA  |
|                                          | 9/21/2021   | 5.4         | NA                   | NA    | NA  |
|                                          | 9/28/2021   | 5.1         | NA                   | NA    | NA  |
|                                          | 10/5/2021   | 4.4         | 1.5                  | 0.5 U | 0.8 |
|                                          | 10/13/2021  | 4.9         | NA                   | NA    | NA  |
|                                          | 10/19/2021  | 4.6         | NA                   | NA    | NA  |
|                                          | 10/26/2021  | 5.1         | NA                   | NA    | NA  |
|                                          | 11/2/2021   | 4.3         | 1.3                  | 0.6   | 0.9 |
|                                          | 11/5/2021   | NA          | 1.8                  | 0.5 U | 0.9 |
|                                          | 11/9/2021   | 4.5         | NA                   | NA    | NA  |
|                                          | 11/16/2021  | 5.4         | NA                   | NA    | NA  |
|                                          | 11/22/2021  | 5.4         | NA                   | NA    | NA  |
|                                          | 11/30/2021  | 5.3         | NA                   | NA    | NA  |
| <b>PASADENA-CITY, WATER DEPT. ARROYO</b> |             |             |                      |       |     |
|                                          | 7/7/2020    | 8.0         | 1.1                  | 0.5 U | 1.0 |
|                                          | 7/14/2020   | 7.9         | 1.2                  | 0.5 U | 1.0 |
|                                          | 7/21/2020   | 8.2         | 1.1                  | 0.5 U | 1.0 |
|                                          | 7/28/2020   | 8.5         | 1.2                  | 0.5 U | 1.1 |
|                                          | 8/4/2020    | 8.5         | 1.3                  | 0.5 U | 1.0 |
|                                          | 8/11/2020   | 8.9         | 1.1                  | 0.5 U | 1.0 |
|                                          | 8/18/2020   | 8.0         | 1.2                  | 0.5 U | 1.1 |
|                                          | 8/25/2020   | 9.6         | 1.2                  | 0.5 U | 1.1 |
|                                          | 9/1/2020    | 7.5         | 1.0                  | 0.5 U | 1.0 |
|                                          | 9/8/2020    | 8.2         | 1.0                  | 0.5 U | 1.1 |
|                                          | 9/15/2020   | 8.6         | 1.1                  | 0.5 U | 1.0 |
|                                          | 9/22/2020   | 8.0         | 1.1                  | 0.5 U | 1.0 |
|                                          | 9/29/2020   | 8.9         | 1.0                  | 0.5 U | 1.0 |
|                                          | 10/6/2020   | 8.5         | 1.0                  | 0.5 U | 0.9 |

| Purveyor, Well Name | Sample Date | Perchlorate | Carbon tetrachloride | PCE   | TCE   |
|---------------------|-------------|-------------|----------------------|-------|-------|
|                     | 10/14/2020  | 9.3         | 1.1                  | 0.5 U | 1.0   |
|                     | 10/20/2020  | 7.9         | 1.3                  | 0.5 U | 1.1   |
|                     | 10/27/2020  | 9.5         | 1.2                  | 0.5 U | 1.1   |
|                     | 11/3/2020   | 8.0         | 1.3                  | 0.5 U | 1.0   |
|                     | 11/10/2020  | 8.5         | 1.4                  | 0.6   | 1.1   |
|                     | 11/17/2020  | 8.4         | 1.4                  | 0.5   | 1.2   |
|                     | 11/24/2020  | 7.5         | NA                   | NA    | NA    |
|                     | 12/8/2020   | 8.9         | 1.5                  | 0.5   | 1.1   |
|                     | 12/15/2020  | 7.3         | 1.4                  | 0.5   | 1.2   |
|                     | 12/22/2020  | 8.0         | 1.3                  | 0.5   | 1.1   |
|                     | 12/29/2020  | 8.6         | 1.4                  | 0.5   | 1.1   |
|                     | 1/6/2021    | 7.9         | 1.2                  | 0.5 U | 1.1   |
|                     | 1/12/2021   | 9.7         | 1.3                  | 0.5   | 1.0   |
|                     | 1/19/2021   | 8.3         | 1.2                  | 0.5 U | 1.1   |
|                     | 1/26/2021   | 9.0         | NA                   | NA    | NA    |
|                     | 2/2/2021    | 9.0         | 1.0                  | 0.5 U | 0.9   |
|                     | 2/9/2021    | 7.7         | 1.4                  | 0.5 U | 1.2   |
|                     | 2/16/2021   | 9.3         | 1.3                  | 0.5 U | 1.1   |
|                     | 2/23/2021   | 7.3         | 1.2                  | 0.5 U | 1.1   |
|                     | 3/2/2021    | NA          | 1.1                  | 0.5 U | 1.0   |
|                     | 3/9/2021    | 8.3         | 1.3                  | 0.5 U | 1.0   |
|                     | 3/16/2021   | 10.2        | 1.3                  | 0.5   | 0.9   |
|                     | 3/23/2021   | 9.8         | 1.2                  | 0.5 U | 1.0   |
|                     | 3/30/2021   | 7.2         | 1.2                  | 0.5 U | 1.0   |
|                     | 4/6/2021    | 7.9         | 1.2                  | 0.5 U | 1.0   |
|                     | 4/14/2021   | 8.3         | 1.1                  | 0.5 U | 0.9   |
|                     | 4/20/2021   | 8.8         | 1.0                  | 0.5 U | 1.0   |
|                     | 4/27/2021   | 8.1         | 1.3                  | 0.5 U | 1.0   |
|                     | 5/4/2021    | 8.1         | 1.2                  | 0.5 U | 1.0   |
|                     | 5/11/2021   | 7.6         | 1.3                  | 0.5 U | 1.0   |
|                     | 5/18/2021   | 7.7         | 1.3                  | 0.5 U | 1.0   |
|                     | 5/25/2021   | 9.1         | 1.2                  | 0.5 U | 1.0   |
|                     | 6/1/2021    | 8.0         | 1.0                  | 0.5 U | 1.0   |
|                     | 6/9/2021    | 8.5         | 1.0                  | 0.5 U | 0.5 U |
|                     | 6/15/2021   | 9.0         | 1.2                  | 0.5 U | 0.9   |
|                     | 6/22/2021   | 9.7         | 1.1                  | 0.5 U | 1.0   |
|                     | 6/29/2021   | 8.2         | 1.0                  | 0.5 U | 1.0   |
|                     | 7/6/2021    | 9.6         | 1.1                  | 0.5 U | 1.1   |
|                     | 7/13/2021   | 6.6         | 1.1                  | 0.5 U | 1.0   |
|                     | 7/20/2021   | 7.6         | 1.1                  | 0.5 U | 0.9   |
|                     | 7/27/2021   | 8.1         | 1.1                  | 0.5 U | 0.9   |
|                     | 8/3/2021    | 7.9         | 1.0                  | 0.5 U | 1.0   |
|                     | 8/10/2021   | 7.7         | 1.1                  | 0.5 U | 1.0   |
|                     | 8/17/2021   | 8.1         | 1.1                  | 0.5 U | 1.2   |
|                     | 8/24/2021   | 7.2         | 1.0                  | 0.5 U | 1.0   |
|                     | 8/31/2021   | 9.0         | 0.9                  | 0.5 U | 0.9   |

| Purveyor, Well Name                       | Sample Date | Perchlorate | Carbon tetrachloride | PCE   | TCE |
|-------------------------------------------|-------------|-------------|----------------------|-------|-----|
|                                           | 9/7/2021    | 7.7         | 1.1                  | 0.5 U | 1.1 |
|                                           | 9/14/2021   | 7.5         | 1.0                  | 0.5 U | 1.1 |
|                                           | 9/21/2021   | 8.7         | 0.8                  | 0.5 U | 0.9 |
|                                           | 9/28/2021   | 7.7         | 1.0                  | 0.5 U | 1.0 |
|                                           | 10/5/2021   | 6.9         | 1.1                  | 0.5 U | 1.0 |
|                                           | 10/11/2021  | 7.7         | NA                   | NA    | NA  |
|                                           | 10/14/2021  | NA          | 0.8                  | 0.5 U | 0.8 |
|                                           | 10/19/2021  | 8.0         | 0.9                  | 0.5 U | 0.9 |
|                                           | 10/26/2021  | 7.2         | 0.9                  | 0.5 U | 1.0 |
|                                           | 11/2/2021   | 7.5         | 0.8                  | 0.5 U | 1.0 |
|                                           | 11/9/2021   | 7.3         | 0.9                  | 0.5 U | 1.0 |
|                                           | 11/16/2021  | 7.1         | 0.6                  | 0.5 U | 0.7 |
|                                           | 11/23/2021  | 7.6         | 0.6                  | 0.5 U | 0.9 |
|                                           | 11/30/2021  | 7.3         | 0.7                  | 0.5 U | 0.9 |
| <b>PASADENA-CITY, WATER DEPT. WELL 52</b> |             |             |                      |       |     |
|                                           | 7/7/2020    | 4.0 U       | 0.5 U                | 0.7   | 2.3 |
|                                           | 7/14/2020   | 4.0 U       | 0.5 U                | 0.7   | 2.4 |
|                                           | 7/21/2020   | 4.0 U       | 0.5 U                | 0.7   | 2.3 |
|                                           | 7/28/2020   | 4.0 U       | 0.5 U                | 0.7   | 2.3 |
|                                           | 8/4/2020    | 4.0 U       | 0.5 U                | 0.7   | 2.4 |
|                                           | 8/11/2020   | 4.0 U       | 0.5 U                | 0.8   | 2.4 |
|                                           | 8/18/2020   | 4.0 U       | 0.5 U                | 0.7   | 2.4 |
|                                           | 8/25/2020   | 4.2         | 0.5 U                | 0.8   | 2.5 |
|                                           | 9/1/2020    | 4.0 U       | 0.5 U                | 0.7   | 2.3 |
|                                           | 9/8/2020    | 4.0 U       | 0.5 U                | 0.8   | 2.3 |
|                                           | 9/15/2020   | 4.0 U       | 0.5 U                | 0.7   | 2.3 |
|                                           | 9/22/2020   | 4.0 U       | 0.5 U                | 0.8   | 2.4 |
|                                           | 9/29/2020   | 4.0 U       | 0.5 U                | 0.8   | 2.3 |
|                                           | 10/6/2020   | 4.0 U       | 0.5 U                | 0.7   | 2.2 |
|                                           | 10/14/2020  | 4.0 U       | 0.5 U                | 0.8   | 2.2 |
|                                           | 10/20/2020  | 4.0 U       | 0.5 U                | 0.8   | 2.3 |
|                                           | 10/27/2020  | 4.1         | 0.5 U                | 0.8   | 2.3 |
|                                           | 11/3/2020   | 4.0 U       | 0.5 U                | 0.8   | 2.1 |
|                                           | 11/10/2020  | 4.0 U       | 0.5 U                | 0.9   | 2.3 |
|                                           | 11/17/2020  | 4.0 U       | 0.5 U                | 0.9   | 2.3 |
|                                           | 11/24/2020  | 4.0 U       | NA                   | NA    | NA  |
|                                           | 12/8/2020   | 4.0 U       | 0.5 U                | 0.8   | 2.4 |
|                                           | 12/15/2020  | 4.0 U       | 0.5 U                | 0.9   | 2.6 |
|                                           | 12/22/2020  | 4.0 U       | 0.5 U                | 0.9   | 2.4 |
|                                           | 12/29/2020  | 4.0 U       | 0.5 U                | 0.9   | 2.5 |
|                                           | 1/6/2021    | 4.0 U       | 0.5 U                | 0.9   | 2.3 |
|                                           | 1/12/2021   | 4.0 U       | 0.5 U                | 0.9   | 2.4 |
|                                           | 1/19/2021   | 4.0 U       | 0.5 U                | 0.8   | 2.4 |
|                                           | 1/26/2021   | 4.0 U       | NA                   | NA    | NA  |
|                                           | 2/2/2021    | 4.0 U       | 0.5 U                | 0.8   | 2.1 |
|                                           | 2/9/2021    | 4.0 U       | 0.5 U                | 0.8   | 2.6 |

| Purveyor, Well Name                                     | Sample Date | Perchlorate | Carbon tetrachloride | PCE | TCE |
|---------------------------------------------------------|-------------|-------------|----------------------|-----|-----|
|                                                         | 2/16/2021   | 4.0 U       | 0.5 U                | 0.9 | 2.6 |
|                                                         | 2/23/2021   | 4.0 U       | 0.5 U                | 0.9 | 2.5 |
|                                                         | 3/2/2021    | NA          | 0.5 U                | 0.7 | 2.0 |
|                                                         | 3/9/2021    | 4.0 U       | 0.5 U                | 0.9 | 2.2 |
|                                                         | 3/16/2021   | 4.0 U       | 0.5 U                | 0.9 | 2.2 |
|                                                         | 3/23/2021   | 4.0 U       | 0.5 U                | 0.9 | 2.1 |
|                                                         | 3/30/2021   | 4.0 U       | 0.5 U                | 0.8 | 2.2 |
|                                                         | 4/6/2021    | 4.0 U       | 0.5 U                | 0.9 | 2.3 |
|                                                         | 4/14/2021   | 4.0 U       | 0.5 U                | 0.8 | 2.0 |
|                                                         | 4/20/2021   | 4.0 U       | 0.5 U                | 0.8 | 2.0 |
|                                                         | 4/27/2021   | 4.0 U       | 0.5 U                | 0.8 | 2.1 |
|                                                         | 5/4/2021    | 4.0 U       | 0.5 U                | 0.8 | 2.2 |
|                                                         | 5/11/2021   | 4.0 U       | 0.5 U                | 0.9 | 2.2 |
|                                                         | 5/18/2021   | 4.0 U       | 0.5 U                | 0.8 | 2.0 |
|                                                         | 5/25/2021   | 4.1         | 0.5 U                | 0.9 | 2.3 |
|                                                         | 6/1/2021    | 4.0 U       | 0.5 U                | 0.8 | 1.9 |
|                                                         | 6/9/2021    | 4.0 U       | 0.5 U                | 0.6 | 1.8 |
|                                                         | 6/15/2021   | 4.0 U       | 0.5 U                | 0.9 | 2.1 |
|                                                         | 6/22/2021   | 4.0 U       | 0.5 U                | 0.8 | 2.0 |
|                                                         | 6/29/2021   | 4.0 U       | 0.5 U                | 0.8 | 2.1 |
|                                                         | 7/6/2021    | 3.0         | 0.5 U                | 0.9 | 2.1 |
|                                                         | 7/13/2021   | 3.3         | 0.5 U                | 0.7 | 1.8 |
|                                                         | 7/20/2021   | 2.8         | 0.5 U                | 0.8 | 1.7 |
|                                                         | 7/27/2021   | 3.1         | 0.5 U                | 0.7 | 1.9 |
|                                                         | 8/3/2021    | 3.3         | 0.5 U                | 0.8 | 1.9 |
|                                                         | 8/10/2021   | 3.1         | 0.5 U                | 0.8 | 2.0 |
|                                                         | 8/17/2021   | 3.2         | 0.5 U                | 0.9 | 2.1 |
|                                                         | 8/24/2021   | 3.0         | 0.5 U                | 0.7 | 1.9 |
|                                                         | 8/31/2021   | 3.8         | 0.5 U                | 0.7 | 1.8 |
|                                                         | 9/7/2021    | 3.7         | 0.5 U                | 0.9 | 2.0 |
|                                                         | 9/14/2021   | 3.0         | 0.5 U                | 0.9 | 2.0 |
|                                                         | 9/21/2021   | 4.2         | 0.5 U                | 0.8 | 1.8 |
| <b>RUBIO CANON LAND &amp; WATER ASSOCIATION WELL 04</b> |             |             |                      |     |     |
|                                                         | 7/6/2020    | 4.0 U       | NA                   | 4.3 | NA  |
|                                                         | 7/13/2020   | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 7/20/2020   | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 7/27/2020   | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 8/3/2020    | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 8/10/2020   | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 8/17/2020   | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 8/24/2020   | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 8/31/2020   | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 9/8/2020    | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 9/14/2020   | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 9/21/2020   | 4.0 U       | NA                   | NA  | NA  |
|                                                         | 9/28/2020   | 4.0 U       | NA                   | NA  | NA  |

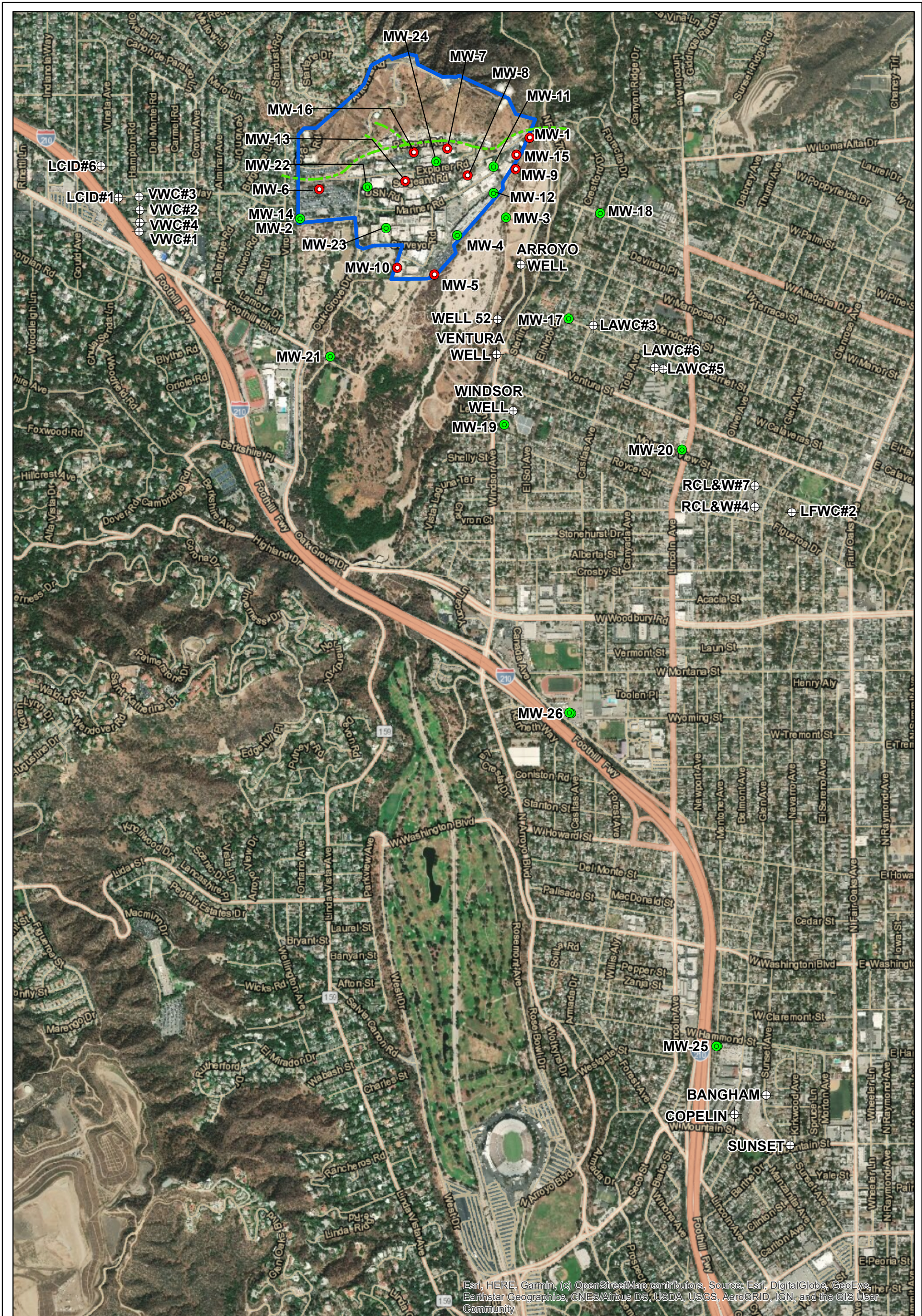
| Purveyor, Well Name                                     | Sample Date | Perchlorate | Carbon tetrachloride | PCE  | TCE   |
|---------------------------------------------------------|-------------|-------------|----------------------|------|-------|
|                                                         | 10/5/2020   | 4.0 U       | NA                   | 6.4  | NA    |
|                                                         | 10/12/2020  | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 10/19/2020  | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 10/26/2020  | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 11/2/2020   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 11/9/2020   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 11/16/2020  | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 11/23/2020  | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 11/30/2020  | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 12/14/2020  | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 12/21/2020  | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 12/28/2020  | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 1/4/2021    | 4.0 U       | NA                   | 7.7  | NA    |
|                                                         | 1/11/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 1/19/2021   | 4.0 U       | NA                   | 12.0 | NA    |
|                                                         | 1/25/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 1/27/2021   | NA          | NA                   | 9.3  | NA    |
|                                                         | 2/1/2021    | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 2/8/2021    | 4.0 U       | 0.5 U                | 6.6  | 0.5 U |
|                                                         | 2/16/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 2/22/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 3/1/2021    | 4.0 U       | NA                   | 7.1  | NA    |
|                                                         | 3/8/2021    | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 3/15/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 3/22/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 3/29/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 4/5/2021    | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 4/12/2021   | 4.0 U       | NA                   | 4.5  | NA    |
|                                                         | 4/19/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 4/26/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 5/3/2021    | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 5/10/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 5/17/2021   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 5/24/2021   | 4.0 U       | NA                   | NA   | NA    |
| <b>RUBIO CANON LAND &amp; WATER ASSOCIATION WELL 07</b> |             |             |                      |      |       |
|                                                         | 7/6/2020    | 4.0 U       | NA                   | 0.7  | NA    |
|                                                         | 7/13/2020   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 7/20/2020   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 7/27/2020   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 8/3/2020    | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 8/10/2020   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 8/17/2020   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 8/24/2020   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 8/31/2020   | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 9/8/2020    | 4.0 U       | NA                   | NA   | NA    |
|                                                         | 9/14/2020   | 4.0 U       | NA                   | NA   | NA    |

| Purveyor, Well Name             | Sample Date | Perchlorate | Carbon tetrachloride | PCE   | TCE   |
|---------------------------------|-------------|-------------|----------------------|-------|-------|
|                                 | 9/21/2020   | 4.0 U       | NA                   | NA    | NA    |
|                                 | 9/28/2020   | 4.0 U       | NA                   | NA    | NA    |
|                                 | 10/5/2020   | 4.0 U       | NA                   | 0.7   | NA    |
|                                 | 10/12/2020  | 4.0 U       | NA                   | NA    | NA    |
|                                 | 10/19/2020  | 4.0 U       | NA                   | 0.7   | NA    |
|                                 | 10/26/2020  | 4.0 U       | NA                   | NA    | NA    |
|                                 | 11/2/2020   | 4.0 U       | NA                   | NA    | NA    |
|                                 | 11/9/2020   | 4.0 U       | NA                   | NA    | NA    |
|                                 | 11/16/2020  | 4.0 U       | NA                   | NA    | NA    |
|                                 | 11/23/2020  | 4.0 U       | NA                   | NA    | NA    |
|                                 | 11/30/2020  | 4.0 U       | NA                   | NA    | NA    |
|                                 | 12/7/2020   | 4.0 U       | NA                   | NA    | NA    |
|                                 | 12/14/2020  | 4.0 U       | NA                   | NA    | NA    |
|                                 | 12/21/2020  | 4.0 U       | NA                   | NA    | NA    |
|                                 | 12/28/2020  | 4.0 U       | NA                   | NA    | NA    |
|                                 | 1/4/2021    | 4.0 U       | NA                   | 0.8   | NA    |
|                                 | 1/11/2021   | 4.0 U       | NA                   | NA    | NA    |
|                                 | 1/19/2021   | 4.0 U       | NA                   | NA    | NA    |
|                                 | 1/25/2021   | 4.0 U       | NA                   | NA    | NA    |
| <b>VALLEY WATER CO. WELL 01</b> |             |             |                      |       |       |
|                                 | 7/1/2020    | 4.0 U       | NA                   | NA    | NA    |
|                                 | 7/2/2020    | NA          | 0.5 U                | 1.2   | 1.5   |
|                                 | 8/4/2020    | 4.0 U       | 0.5 U                | 1.0   | 1.3   |
|                                 | 9/9/2020    | 4.0 U       | 0.5 U                | 0.9   | 1.0   |
|                                 | 10/5/2020   | 4.0 U       | 0.5 U                | 0.8   | 1.2   |
|                                 | 5/5/2021    | 4.0 U       | 0.5 U                | 0.8   | 1.2   |
|                                 | 6/2/2021    | NA          | 0.5 U                | 0.5 U | 0.7   |
|                                 | 7/7/2021    | 2.9         | 0.5 U                | 0.9   | 0.9   |
|                                 | 8/3/2021    | 3.4         | 0.5 U                | 0.6   | 0.8   |
|                                 | 9/8/2021    | 3.0         | 0.5 U                | 0.7   | 0.9   |
|                                 | 10/6/2021   | 3.2         | 0.5 U                | 0.8   | 0.9   |
| <b>VALLEY WATER CO. WELL 02</b> |             |             |                      |       |       |
|                                 | 7/1/2020    | 4.0 U       | NA                   | NA    | NA    |
|                                 | 7/2/2020    | NA          | 0.5 U                | 0.8   | 0.9   |
|                                 | 8/4/2020    | 4.0 U       | 0.5 U                | 0.6   | 0.8   |
|                                 | 9/9/2020    | 4.0 U       | 0.5 U                | 0.5 U | 0.6   |
|                                 | 10/5/2020   | 4.0         | 0.5 U                | 0.6   | 0.7   |
|                                 | 5/5/2021    | 4.0 U       | 0.5 U                | 0.8   | 0.8   |
|                                 | 6/2/2021    | NA          | 0.5 U                | 0.5 U | 0.6   |
|                                 | 7/7/2021    | 3.1         | 0.5 U                | 0.6   | 0.7   |
|                                 | 8/3/2021    | 3.7         | 0.5 U                | 0.5 U | 0.7   |
|                                 | 9/8/2021    | 3.3         | 0.5 U                | 0.5 U | 0.7   |
|                                 | 10/6/2021   | 3.0         | 0.5 U                | 0.5 U | 0.7   |
| <b>VALLEY WATER CO. WELL 03</b> |             |             |                      |       |       |
|                                 | 7/2/2020    | 4.0 U       | 0.5 U                | 0.8   | 0.5 U |
|                                 | 8/4/2020    | 4.0 U       | 0.5 U                | 0.9   | 0.5 U |

| Purveyor, Well Name                                    | Sample Date                                                                                   | Perchlorate | Carbon tetrachloride | PCE | TCE |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------|----------------------|-----|-----|
|                                                        | 5/5/2021                                                                                      | 4.0 U       | 0.5 U                | 1.2 | 0.7 |
|                                                        | 6/2/2021                                                                                      | NA          | 0.5 U                | 0.9 | 0.6 |
|                                                        | 7/7/2021                                                                                      | 3.4         | 0.5 U                | 1.6 | 0.8 |
|                                                        | 8/3/2021                                                                                      | 3.9         | 0.5 U                | 1.3 | 0.8 |
| <b>VALLEY WATER CO. WELL 04</b>                        |                                                                                               |             |                      |     |     |
|                                                        | 7/2/2020                                                                                      | 4.0 U       | 0.5 U                | 2.2 | 1.6 |
|                                                        | 8/4/2020                                                                                      | 4.0 U       | 0.5 U                | 1.6 | 1.4 |
|                                                        | 5/5/2021                                                                                      | 4.0 U       | 0.5 U                | 1.8 | 1.8 |
|                                                        | 6/2/2021                                                                                      | NA          | 0.5 U                | 0.8 | 1.0 |
|                                                        | 7/7/2021                                                                                      | 3.3         | 0.5 U                | 1.3 | 1.2 |
|                                                        | 8/3/2021                                                                                      | 3.9         | 0.5 U                | 1.0 | 1.4 |
| <b>Analyte concentration exceeds the standard for:</b> |                                                                                               |             |                      |     |     |
| <b>CA MCL</b>                                          |                                                                                               | 6.0         | 0.5                  | 5.0 | 5.0 |
| <b>EPA REGION IX MCL</b>                               |                                                                                               | NE          | 5.0                  | 5.0 | 5.0 |
| <b>Notes</b>                                           |                                                                                               |             |                      |     |     |
| NA                                                     | Not analyzed                                                                                  |             |                      |     |     |
| NE                                                     | Not established                                                                               |             |                      |     |     |
| Source                                                 | State Water Resources Control Board (Division of Drinking Water) Water Quality Index Database |             |                      |     |     |
| U                                                      | Analyte was analyzed for but not detected at or above the stated limit                        |             |                      |     |     |

## FIGURES

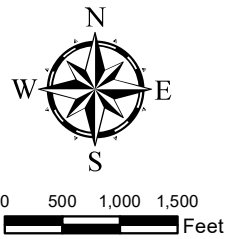




Esri, HERE, Garmin, (c) OpenStreetMap contributors, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**Legend**

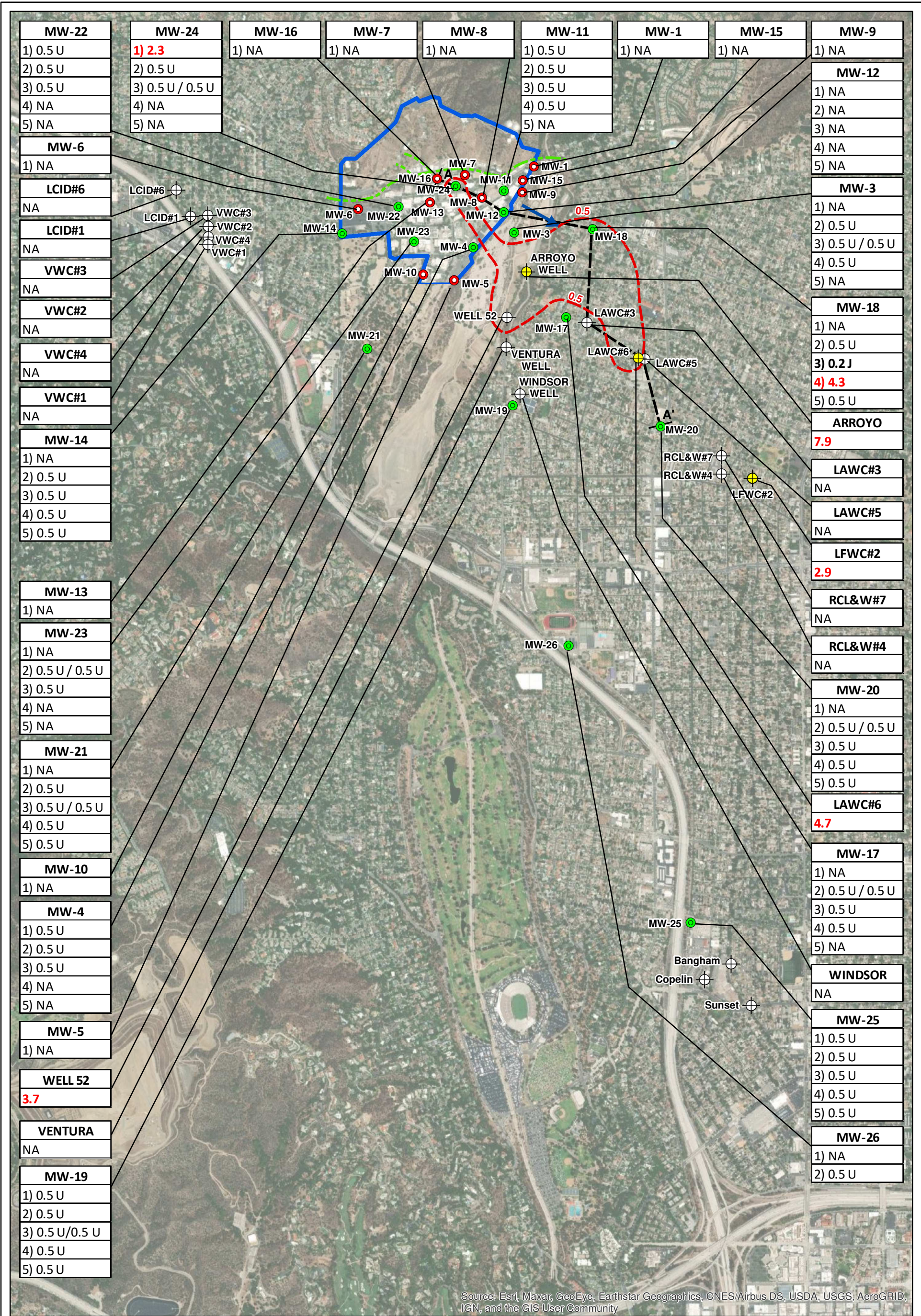
- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well
- Approximate Location of Thrust Fault
- JPL Facility Boundary



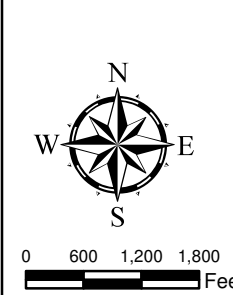
**Locations of JPL Groundwater Monitoring Wells and Nearby Municipal Production Wells**

|                    |                                         |             |
|--------------------|-----------------------------------------|-------------|
| DESIGNED BY<br>JHG | JPL - Pasadena, CA                      | Figure<br>1 |
| DRAWN BY<br>JHG    | Contract No:<br>W912PL-13-D-0018 TO 001 | Oct<br>2019 |
| CHECKED BY<br>DC   |                                         |             |





Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community




**Legend**

- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- ⊕ Municipal Production Well (Data Not Available)
- ⊕ Municipal Production Well (Data From Jan/Feb 2022)
- Cross-Section Transect A-A'
- Estimated Isoconcentration Line (0.5 µg/L)
- JPL Facility Boundary
- Approximate Location of Thrust Fault
- Groundwater Flow Direction

**MW-8**  
1) 0.5 U

Well ID  
Screen number  
Concentration in micrograms per liter  
J = Detected estimated value  
U = Not detected estimated value  
NA = Not Analyzed

Bold font indicates detected concentration below the State maximum contaminant level (MCL) of 0.5 micrograms per liter; red font indicates concentration exceeds MCL.

|                                                                                                                                                   |                               |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------|
| <br><small>ENGINEERS / SCIENTISTS / PROGRAM MANAGERS</small> |                               |          |
| <b>Carbon Tetrachloride in Groundwater</b><br>January/February 2022                                                                               |                               |          |
| DESIGNED BY<br>JHG                                                                                                                                | JPL - Pasadena, CA            | Figure 2 |
| DRAWN BY<br>JHG                                                                                                                                   |                               |          |
| CHECKED BY<br>DC                                                                                                                                  | Contract No:<br>W912PL22C0003 | Sep 2022 |

|              |
|--------------|
| <b>MW-22</b> |
| 1) 0.5 U     |
| 2) 0.5 U     |
| 3) 0.5 U     |
| 4) NA        |
| 5) NA        |

|                  |
|------------------|
| <b>MW-24</b>     |
| 1) <b>2.3</b>    |
| 2) 0.5 U         |
| 3) 0.5 U / 0.5 U |
| 4) NA            |
| 5) NA            |

|              |
|--------------|
| <b>MW-16</b> |
| 1) NA        |

|             |
|-------------|
| <b>MW-7</b> |
| 1) NA       |

|             |
|-------------|
| <b>MW-8</b> |
| 1) NA       |

|              |
|--------------|
| <b>MW-11</b> |
| 1) 0.5 U     |
| 2) 0.5 U     |
| 3) 0.5 U     |
| 4) 0.5 U     |
| 5) NA        |

|             |
|-------------|
| <b>MW-1</b> |
| 1) NA       |

|              |
|--------------|
| <b>MW-15</b> |
| 1) NA        |

|             |
|-------------|
| <b>MW-9</b> |
| 1) NA       |

|             |
|-------------|
| <b>MW-6</b> |
| 1) NA       |

|               |
|---------------|
| <b>LCID#6</b> |
| NA            |

|               |
|---------------|
| <b>LCID#1</b> |
| NA            |

|              |
|--------------|
| <b>VWC#3</b> |
| NA           |

|              |
|--------------|
| <b>VWC#2</b> |
| NA           |

|              |
|--------------|
| <b>VWC#4</b> |
| NA           |

|              |
|--------------|
| <b>VWC#1</b> |
| NA           |

|              |
|--------------|
| <b>MW-14</b> |
| 1) NA        |
| 2) 0.5 U     |
| 3) 0.5 U     |
| 4) 0.5 U     |
| 5) 0.5 U     |

|              |
|--------------|
| <b>MW-13</b> |
| 1) NA        |

|                  |
|------------------|
| <b>MW-23</b>     |
| 1) NA            |
| 2) 0.5 U / 0.5 U |
| 3) 0.5 U         |
| 4) NA            |
| 5) NA            |

|                  |
|------------------|
| <b>MW-21</b>     |
| 1) NA            |
| 2) 0.5 U         |
| 3) 0.5 U / 0.5 U |
| 4) 0.5 U         |
| 5) 0.5 U         |

|              |
|--------------|
| <b>MW-10</b> |
| 1) NA        |

|             |
|-------------|
| <b>MW-4</b> |
| 1) 0.5 U    |
| 2) 0.5 U    |
| 3) 0.5 U    |
| 4) NA       |
| 5) NA       |

|             |
|-------------|
| <b>MW-5</b> |
| 1) NA       |

|                |
|----------------|
| <b>WELL 52</b> |
| <b>3.7</b>     |

|                |
|----------------|
| <b>VENTURA</b> |
| NA             |

|                  |
|------------------|
| <b>MW-19</b>     |
| 1) 0.5 U         |
| 2) 0.5 U         |
| 3) 0.5 U / 0.5 U |
| 4) 0.5 U         |
| 5) 0.5 U         |

|              |
|--------------|
| <b>MW-12</b> |
| 1) NA        |
| 2) NA        |
| 3) NA        |
| 4) NA        |
| 5) NA        |

|                  |
|------------------|
| <b>MW-3</b>      |
| 1) NA            |
| 2) 0.5 U         |
| 3) 0.5 U / 0.5 U |
| 4) 0.5 U         |
| 5) NA            |

|                 |
|-----------------|
| <b>MW-18</b>    |
| 1) NA           |
| 2) 0.5 U        |
| 3) <b>0.2 J</b> |
| 4) <b>4.3</b>   |
| 5) 0.5 U        |

|               |
|---------------|
| <b>ARROYO</b> |
| <b>7.9</b>    |

|               |
|---------------|
| <b>LAWC#3</b> |
| NA            |

|               |
|---------------|
| <b>LAWC#5</b> |
| NA            |

|               |
|---------------|
| <b>LFWC#2</b> |
| <b>2.9</b>    |

|                    |
|--------------------|
| <b>RCL&amp;W#7</b> |
| NA                 |

|                    |
|--------------------|
| <b>RCL&amp;W#4</b> |
| NA                 |

|                  |
|------------------|
| <b>MW-20</b>     |
| 1) NA            |
| 2) 0.5 U / 0.5 U |
| 3) 0.5 U         |
| 4) 0.5 U         |
| 5) 0.5 U         |

|               |
|---------------|
| <b>LAWC#6</b> |
| <b>4.7</b>    |

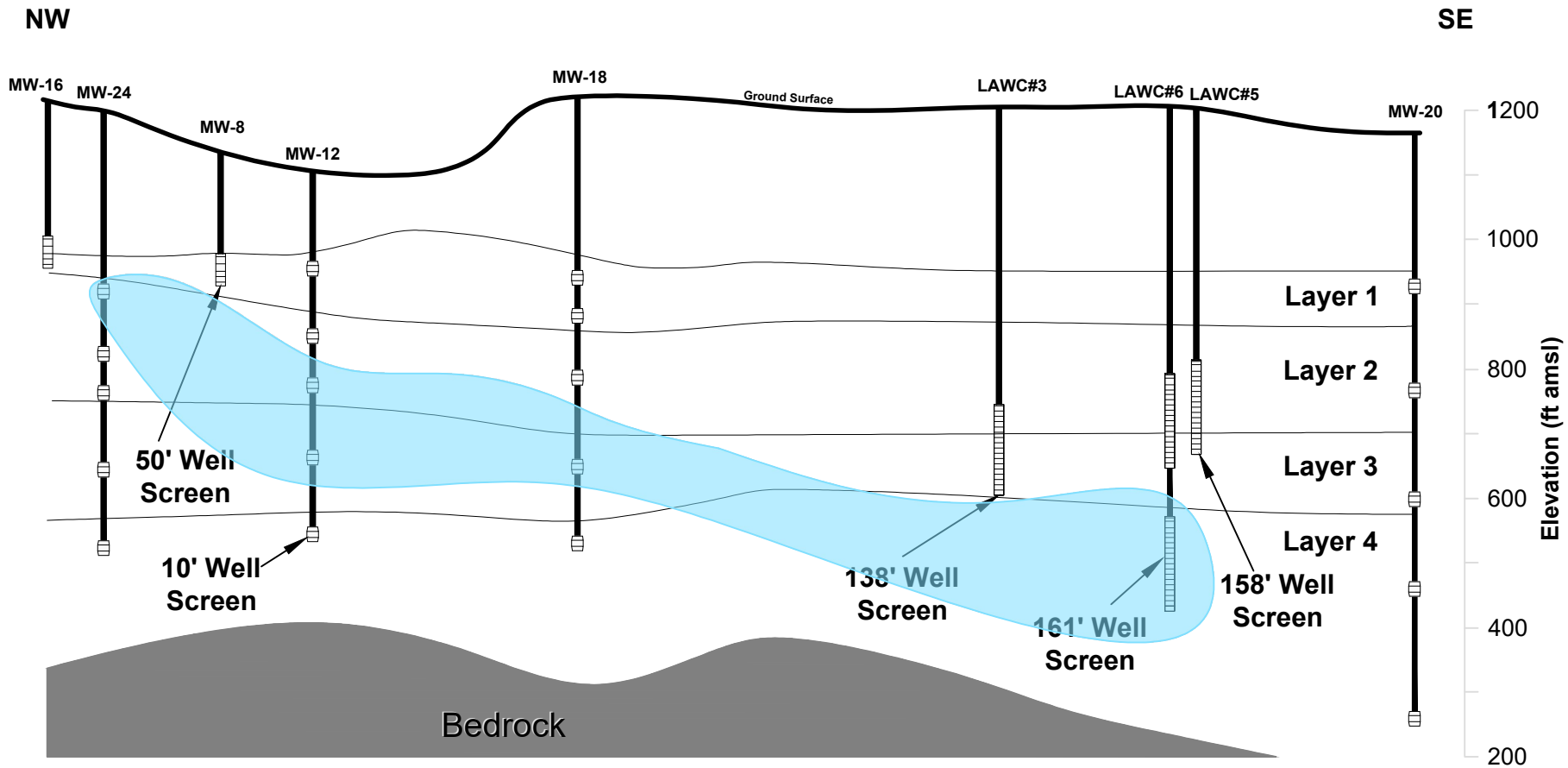
|                  |
|------------------|
| <b>MW-17</b>     |
| 1) NA            |
| 2) 0.5 U / 0.5 U |
| 3) 0.5 U         |
| 4) 0.5 U         |
| 5) NA            |

|                |
|----------------|
| <b>WINDSOR</b> |
| NA             |

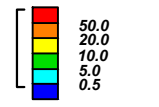
|              |
|--------------|
| <b>MW-25</b> |
| 1) 0.5 U     |
| 2) 0.5 U     |
| 3) 0.5 U     |
| 4) 0.5 U     |
| 5) 0.5 U     |

|              |
|--------------|
| <b>MW-26</b> |
| 1) NA        |
| 2) 0.5 U     |






Note: Concentrations are Reported in  $\mu\text{g/L}$   
 Plume depicted above delineates concentrations  
 exceeding state MLC ( $0.5 \mu\text{g/L}$ )



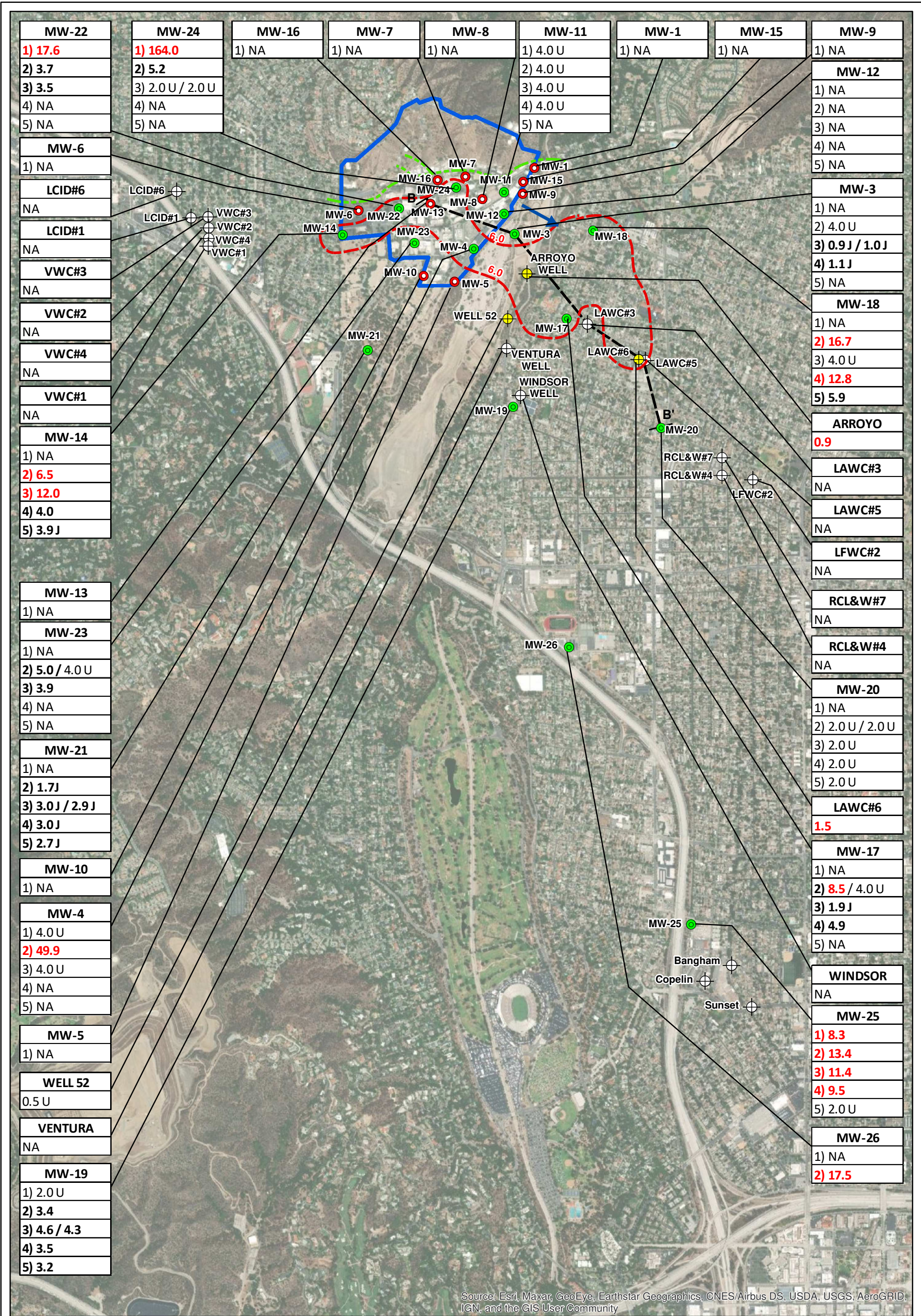
Z exag: 3.0



HORIZONTAL SCALE  
 IN FEET  
 (Approximate)

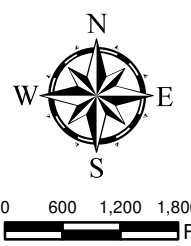
|                                                                                                                                                                        |                               |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|
|  <b>TIDEWATER INC</b><br><small>ENGINEERS / SCIENTISTS / PROGRAM MANAGERS</small> |                               |             |
| Horizontal and Vertical Extent<br>of Carbon Tetrachloride in Groundwater<br>January/February 2022                                                                      |                               |             |
| DESIGNED BY                                                                                                                                                            | JPL - Pasadena, CA            | Figure<br>3 |
| DRAWN BY                                                                                                                                                               |                               |             |
| JHG                                                                                                                                                                    | Contract No:<br>W912PL22C0003 | Sep<br>2022 |
| CHECKED BY                                                                                                                                                             |                               |             |
| DC                                                                                                                                                                     |                               |             |





Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**Legend**



- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well (Data Not Available)
- Municipal Production Well (Data From Jan/Feb 2022)
- Cross-Section Transect B-B'
- Estimated Isoconcentration Line (6 µg/L)
- Approximate Location of Thrust Fault
- JPL Facility Boundary
- Groundwater Flow Direction

**MW-8**  
 1) 0.5 U

Well ID  
 Screen number  
 Concentration in micrograms per liter  
 J = Detected estimated value  
 U = Not detected estimated value  
 NA = Not Analyzed

Bold font indicates detected concentration below the State maximum contaminant level (MCL) of 6 micrograms per liter; red font indicates concentration exceeds MCL.



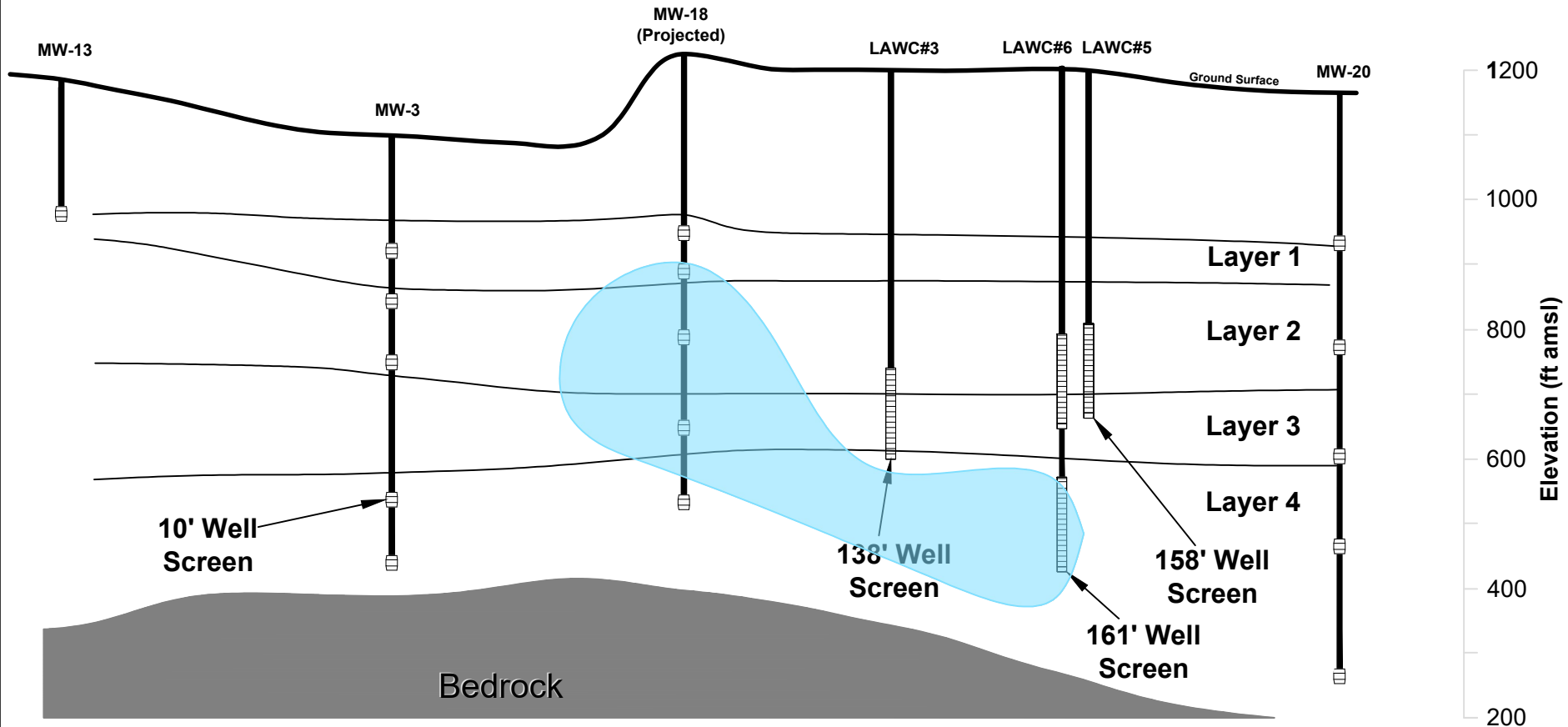
**Perchlorate in Groundwater  
 January/February 2022**

|                    |                               |          |
|--------------------|-------------------------------|----------|
| DESIGNED BY<br>JHG | JPL - Pasadena, CA            | Figure 4 |
| DRAWN BY<br>JHG    |                               |          |
| CHECKED BY<br>DC   | Contract No:<br>W912PL22C0003 | Sep 2022 |

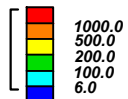


NW

SE



Note: Concentrations are Reported in  $\mu\text{g/L}$   
 Plume depicted above delineates concentrations  
 exceeding state MCL ( $6.0 \mu\text{g/L}$ )



Z exag: 3.0



HORIZONTAL SCALE  
 IN FEET  
 (Approximate)

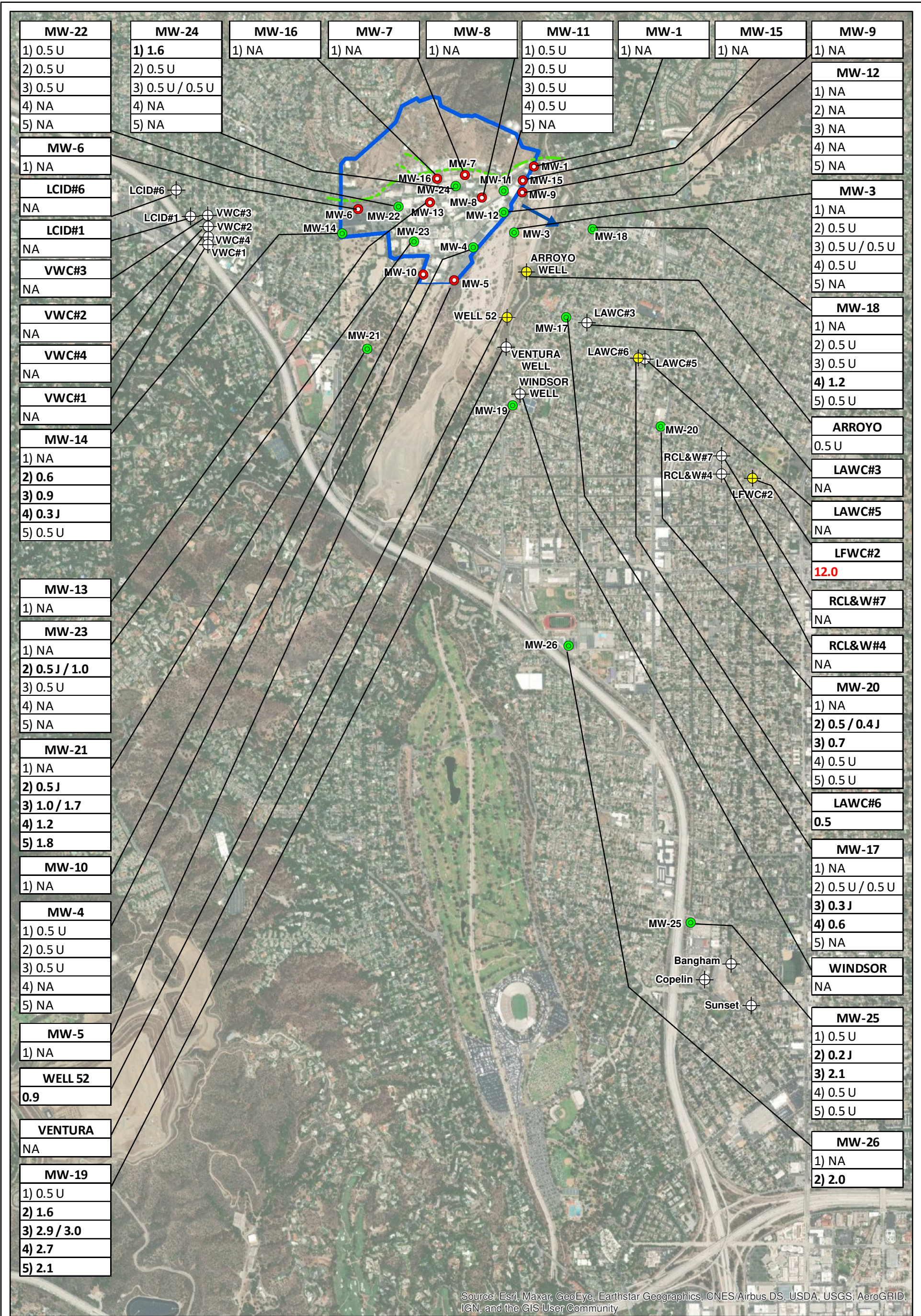


**TIDEWATER INC**  
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

Horizontal and Vertical Extent  
 of Perchlorate in Groundwater  
 January/February 2022

|                    |                               |             |
|--------------------|-------------------------------|-------------|
| DESIGNED BY<br>JHG | JPL - Pasadena, CA            | Figure<br>5 |
| DRAWN BY<br>JHG    |                               |             |
| CHECKED BY<br>DC   | Contract No:<br>W912PL22C0003 | Sep<br>2022 |





Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

|                                                                           |                                                                          |                                                                          |                                                                        |                                                                        |                                                                          |                        |                                                                        |                                                                           |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>MW-22</b><br>1) 0.5 U<br>2) 0.5 U<br>3) 0.5 U<br>4) NA<br>5) NA        | <b>MW-24</b><br>1) 1.6<br>2) 0.5 U<br>3) 0.5 U / 0.5 U<br>4) NA<br>5) NA | <b>MW-16</b><br>1) NA                                                    | <b>MW-7</b><br>1) NA                                                   | <b>MW-8</b><br>1) NA                                                   | <b>MW-11</b><br>1) 0.5 U<br>2) 0.5 U<br>3) 0.5 U<br>4) 0.5 U<br>5) NA    | <b>MW-1</b><br>1) NA   | <b>MW-15</b><br>1) NA                                                  | <b>MW-9</b><br>1) NA                                                      |
| <b>MW-6</b><br>1) NA                                                      | <b>LCID#6</b><br>NA                                                      | <b>LCID#1</b><br>NA                                                      | <b>VWC#3</b><br>NA                                                     | <b>VWC#2</b><br>NA                                                     | <b>VWC#4</b><br>NA                                                       | <b>VWC#1</b><br>NA     | <b>MW-12</b><br>1) NA<br>2) NA<br>3) NA<br>4) NA<br>5) NA              | <b>MW-3</b><br>1) NA<br>2) 0.5 U<br>3) 0.5 U / 0.5 U<br>4) 0.5 U<br>5) NA |
| <b>MW-14</b><br>1) NA<br>2) 0.6<br>3) 0.9<br>4) 0.3 J<br>5) 0.5 U         | <b>MW-13</b><br>1) NA                                                    | <b>MW-23</b><br>1) NA<br>2) 0.5 J / 1.0<br>3) 0.5 U<br>4) NA<br>5) NA    | <b>MW-21</b><br>1) NA<br>2) 0.5 J<br>3) 1.0 / 1.7<br>4) 1.2<br>5) 1.8  | <b>MW-10</b><br>1) NA                                                  | <b>MW-4</b><br>1) 0.5 U<br>2) 0.5 U<br>3) 0.5 U<br>4) NA<br>5) NA        | <b>MW-5</b><br>1) NA   | <b>WELL 52</b><br>0.9                                                  | <b>VENTURA</b><br>NA                                                      |
| <b>MW-19</b><br>1) 0.5 U<br>2) 1.6<br>3) 2.9 / 3.0<br>4) 2.7<br>5) 2.1    | <b>MW-17</b><br>1) NA<br>2) 0.5 U / 0.5 U<br>3) 0.3 J<br>4) 0.6<br>5) NA | <b>WINDSOR</b><br>NA                                                     | <b>MW-25</b><br>1) 0.5 U<br>2) 0.2 J<br>3) 2.1<br>4) 0.5 U<br>5) 0.5 U | <b>MW-26</b><br>1) NA<br>2) 2.0                                        | <b>MW-18</b><br>1) NA<br>2) 0.5 U<br>3) 0.5 U<br>4) 1.2<br>5) 0.5 U      | <b>ARROYO</b><br>0.5 U | <b>LAWC#3</b><br>NA                                                    | <b>LAWC#5</b><br>NA                                                       |
| <b>MW-20</b><br>1) NA<br>2) 0.5 / 0.4 J<br>3) 0.7<br>4) 0.5 U<br>5) 0.5 U | <b>LAWC#6</b><br>0.5                                                     | <b>MW-17</b><br>1) NA<br>2) 0.5 U / 0.5 U<br>3) 0.3 J<br>4) 0.6<br>5) NA | <b>WINDSOR</b><br>NA                                                   | <b>MW-25</b><br>1) 0.5 U<br>2) 0.2 J<br>3) 2.1<br>4) 0.5 U<br>5) 0.5 U | <b>MW-17</b><br>1) NA<br>2) 0.5 U / 0.5 U<br>3) 0.3 J<br>4) 0.6<br>5) NA | <b>WINDSOR</b><br>NA   | <b>MW-25</b><br>1) 0.5 U<br>2) 0.2 J<br>3) 2.1<br>4) 0.5 U<br>5) 0.5 U | <b>MW-26</b><br>1) NA<br>2) 2.0                                           |

**Legend**

- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well (Data Not Available)
- Municipal Production Well (Data From Jan/Feb 2022)
- Estimated Isoconcentration Line (5 µg/L)
- JPL Facility Boundary
- Approximate Location of Thrust Fault
- Groundwater Flow Direction

**MW-8**  
1) 0.5 U

Well ID  
Screen number  
Concentration in micrograms per liter  
J = Detected estimated value  
U = Not detected estimated value  
NA = Not Analyzed

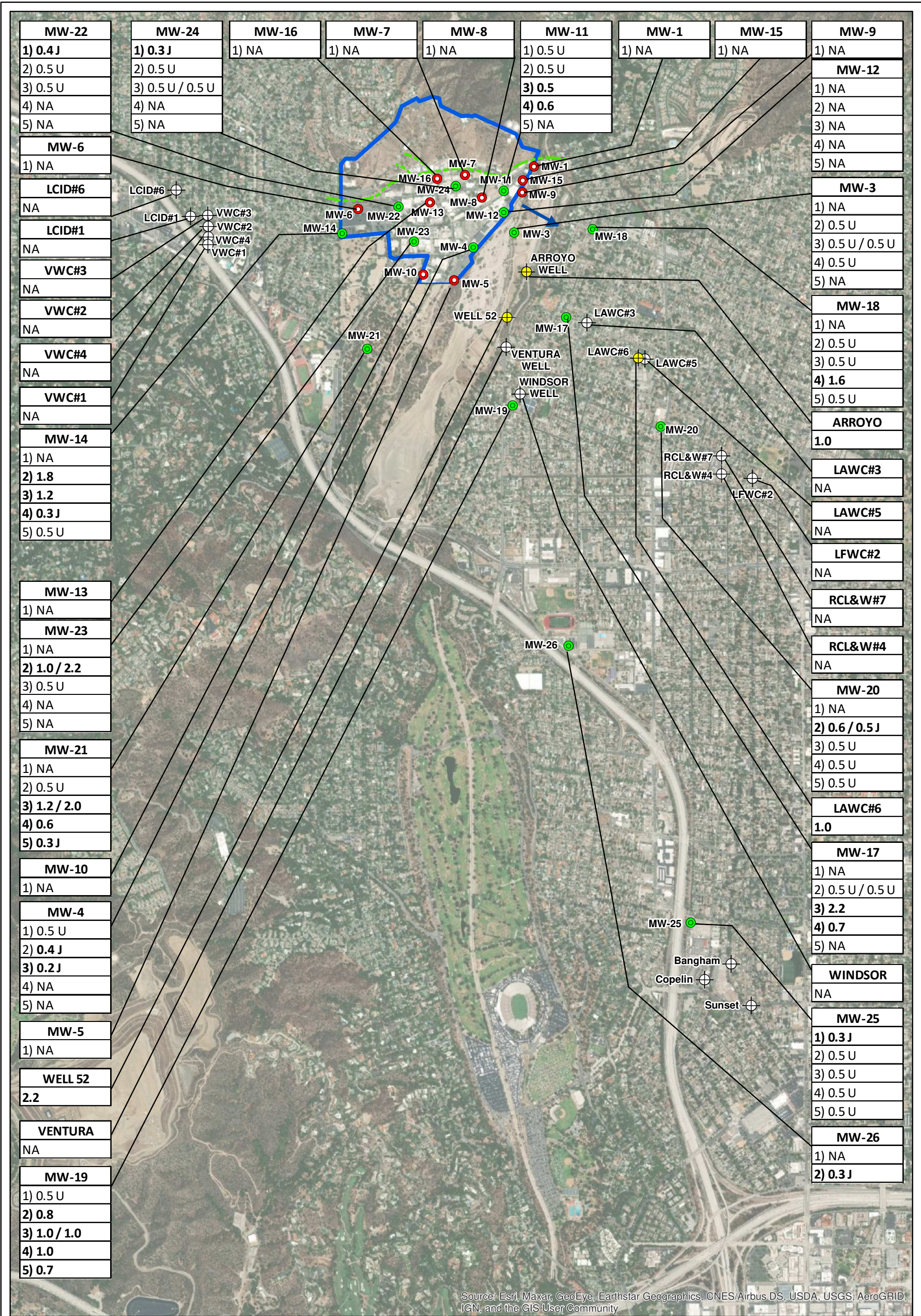
Bold font indicates detected concentration below the State maximum contaminant level (MCL) of 5 micrograms per liter; red font indicates concentration exceeds MCL.



**Tetrachloroethene in Groundwater**  
January/February 2022

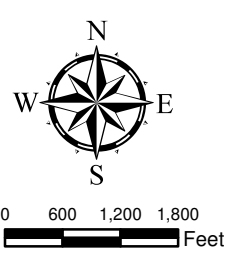
|                    |                               |          |
|--------------------|-------------------------------|----------|
| DESIGNED BY<br>JHG | JPL - Pasadena, CA            | Figure 6 |
| DRAWN BY<br>JHG    |                               |          |
| CHECKED BY<br>DC   | Contract No:<br>W912PL22C0003 | Sep 2022 |





Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**Legend**



- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well (Data Not Available)
- Municipal Production Well (Data From Jan/Feb 2022)
- - - Estimated Isoconcentration Line (5 µg/L)
- JPL Facility Boundary
- - - Approximate Location of Thrust Fault
- Groundwater Flow Direction

**MW-8**  
**1) 0.5 U**

Well ID  
 Screen number  
 Concentration in micrograms per liter  
 J = Detected estimated value  
 U = Not detected estimated value  
 NA = Not Analyzed

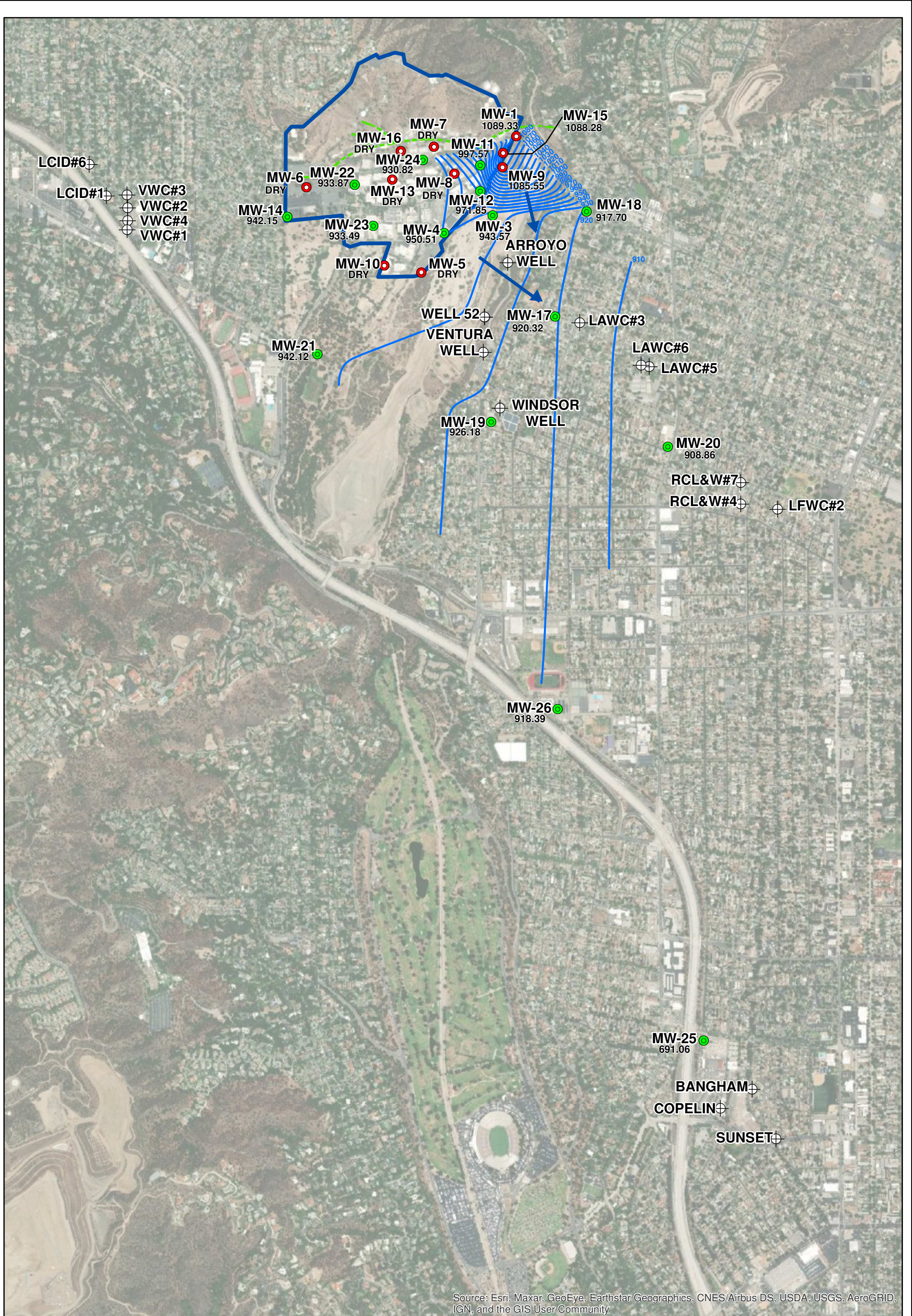
Bold font indicates detected concentration below the State maximum contaminant level (MCL) of 5 micrograms per liter; red font indicates concentration exceeds MCL.



**Trichloroethene in Groundwater  
 January/February 2022**

|                    |                               |          |
|--------------------|-------------------------------|----------|
| DESIGNED BY<br>JHG | JPL - Pasadena, CA            | Figure 7 |
| DRAWN BY<br>JHG    |                               |          |
| CHECKED BY<br>DC   | Contract No:<br>W912PL22C0003 | Sep 2022 |

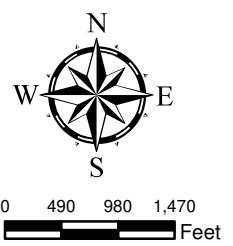




Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**Legend**

- Shallow Monitoring Well Location
- Deep Multi-Port Monitoring Well Location
- ⊕ Municipal Production Well
- JPL Facility Boundary
- Approximate Location of Thrust Fault
- Groundwater Flow Direction
- Groundwater Elevation Contour (ft amsl)



**Groundwater Elevation Contours  
January 2022**

|                    |                               |          |
|--------------------|-------------------------------|----------|
| DESIGNED BY<br>JHG | JPL - Pasadena, CA            | Figure 8 |
| DRAWN BY<br>JHG    |                               |          |
| CHECKED BY<br>DC   | Contract No:<br>W912PL22C0003 | Jun 2022 |