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December 18, 2025

Reply to Attn of: RE-25-136

Mr. JohnDavid Nance, Bureau Chief
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Subject: NASA WSTF Periodic Monitoring Report – Third Quarter 2025

Enclosed is the NASA WSTF Periodic Monitoring Report (PMR) for the third quarter of 2025. This report provides detailed information about routine groundwater, Plume Front Treatment System (PFTS), and Mid-plume Interception and Treatment System (MPITS) monitoring performed between May 1, 2025 and August 31, 2025. Analytical data processed through the WSTF data management system, operational and performance data for both treatment systems, and site-wide potentiometric surface data are also provided for the same reporting period. Activity updates not associated with or reliant upon analytical data are reported for the previous calendar quarter.

This submittal includes an Executive Summary of the PMR that provides important events and observations as Enclosure 1, suggestions for installing and using WSTF PMR Databases as Enclosure 2, a bound paper copy of the main body of the report (pages i-76) as Enclosure 3, a DVD-ROM containing the entire report, the accompanying historical analytical databases, an Excel spreadsheet comprising groundwater data for the last four calendar quarters (August 2024 to July 2025) as Enclosure 4, and a CD-ROM containing analytical lab reports for the reporting period as Enclosure 5.

If you have any questions or comments concerning this submittal, please contact Antonette Doherty of my staff at 575-202-5406.

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Executive Summary

Groundwater monitoring is performed at the National Aeronautics and Space Administration (NASA) White Sands Test Facility (WSTF) to meet regulatory requirements, monitor the effectiveness of corrective actions, develop additional corrective actions, and provide environmental data for a variety of investigations. This Periodic Monitoring Report (PMR) includes the following:

- Purpose, scope, and discussion of the groundwater monitoring data contained in this report.
- Discussion of applicable cleanup levels and comparisons of those cleanup levels to current groundwater contaminant concentrations.
- Detailed information related to the operation, maintenance, and status of the Plume Front Treatment System (PFTS) and the Mid-plume Interception and Treatment System (MPITS), NASA's presumptive remedy interim measures corrective actions for groundwater.
- Information related to the development and implementation of source area investigations and, where applicable, related corrective actions.
- Evaluations of groundwater and treatment system monitoring results and chemical analytical data as it relates to the effectiveness of groundwater remediation.
- Conclusions and recommendations based upon groundwater and remediation system monitoring analytical data and the subsequent evaluations and interpretations of those data presented in this report.

Analytical data included in this report correspond to samples collected from groundwater monitoring wells, as well as PFTS and MPITS sampling locations between May 1, 2025 and July 31, 2025. The data were processed through the WSTF data management system during the third calendar quarter of 2025.

A variety of data elements including PFTS and MPITS operational and performance data, potentiometric surface maps, and plume iso-concentration maps are used to evaluate the effects of the PFTS and MPITS on the WSTF groundwater contaminant plume. An evaluation of the PFTS data elements indicates that the PFTS is currently achieving plume capture and contaminant extraction in the Plume Front area. Data elements related to MPITS operation are presented and contaminant mass removal for both systems is included in this report.

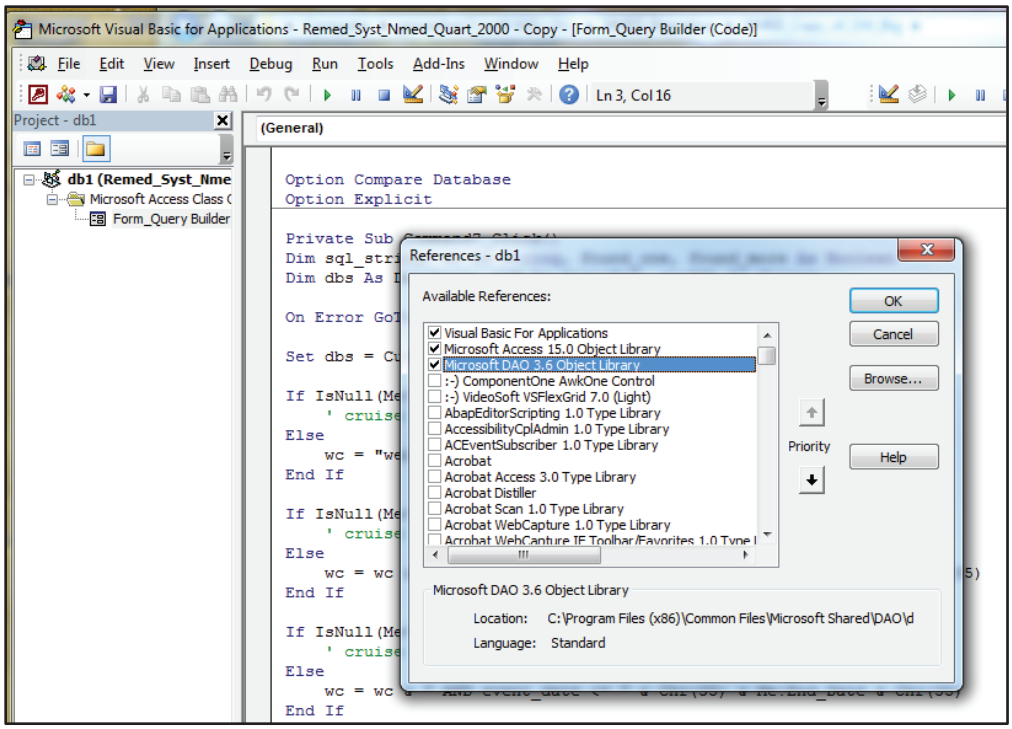
NASA's groundwater monitoring objectives are discussed in more detail in the applicable sections of this report. It is recommended that groundwater monitoring continue in accordance with the Groundwater Monitoring Plan (NASA, 2024b). NASA also recommends that groundwater corrective action operations at the PFTS and MPITS continue as scheduled. Further, NASA recommends that source area investigations continue in accordance with NMED-approved schedules.

Suggestions for Installing and Using WSTF PMR Databases

1. Ensure Microsoft Access 2013 is installed.
2. Ensure the following Microsoft libraries are installed:

    - Visual Basic for Applications
    - Microsoft Access 15.0 Object Library
    - Microsoft DAO 3.6 Object Library

    To verify the presence of these libraries, choose any table, click “Database Tools” on the menu bar, then click the “Visual Basic” button. A new window will open (see example below). Click “Tools” on the menu bar, then click “References”. Another window will open (see example below), showing the libraries available. Ensure the boxes are checked for the three required libraries.



3. Copy the database files from the DVD to your hard drive. This will improve the performance of databases.
4. After running a query, you can export the data to Excel by selecting *External Data* on the menu bar, then click the *Export to Excel* button.

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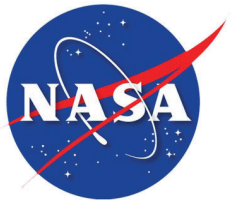

NASA WSTF Periodic Monitoring Report for Third Quarter 2025

December 2025

NM8800019434

NASA WSTF Periodic Monitoring Report for Third Quarter 2025

Reporting Period: May 1, 2025 through July 31, 2025

Report Deadline: December 19, 2025

NM8800019434

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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List of Acronyms and Abbreviations

µg/L	Micrograms per liter
AOC	Area of concern
bgs	Below ground surface
BLM	Bureau of Land Management
COC	Contaminant of concern
CoC	Chain-of-Custody
DP	Discharge Permit
DTW	Depth to water
EPA	Environmental Protection Agency
FLUTe	Flexible Liner Underground Technologies, LLC
Freon 11	Trichlorofluoromethane
ft	Foot/feet
g	Gram
GMP	Groundwater Monitoring Plan
gpm	Gallons per minute
gpm/ft	Gallons per minute per foot
HWMU	Hazardous Waste Management Unit
IDW	Investigation-Derived Waste
JER	Jornada Experimental Range
kg	Kilogram
MDL	Method detection limit
MPCA	Mid-plume Constriction Area
MPE	Mid-plume Extraction
MPITS	Mid-plume Interception and Treatment System
NASA	National Aeronautics and Space Administration
ND	Not detected
NDMA	N-nitrosodimethylamine
ng/L	Nanograms per liter
NMED	New Mexico Environment Department
PA	Preliminary Assessment
PCE	Tetrachloroethene
PFAS	Per- and polyfluoroalkyl substances
PFE	Plume Front Extraction
PFI	Plume Front Injection
PFTS	Plume Front Treatment System
PMR	Periodic Monitoring Report
QA	Quality Assurance
RCRA	Resource Conservation and Recovery Act
RSMP	Remediation System Monitoring Plan
scfm	Standard cubic feet per minute
STGT	Second TDRS Ground Terminal
SWMU	Solid Waste Management Unit
T-C	Time-concentration
TCE	Trichloroethene
TDRS	Tracking and Data Relay Satellite
TDRSS	Tracking and Data Relay Satellite System
UV	Ultraviolet
VOC	Volatile Organic Compound
WBFZ	Western Boundary Fault Zone

WCR	Well Completion Report
WSTF	NASA Johnson Space Center White Sands Test Facility

1.0 Introduction

National Aeronautics and Space Administration (NASA) White Sands Test Facility (WSTF) is located at 12600 NASA Road near Las Cruces, New Mexico. WSTF (U.S. Environmental Protection Agency [EPA] and New Mexico Environment Department [NMED] Facility Identification Number NM8800019434) currently operates as a field test facility under the NASA Lyndon B. Johnson Space Center in Houston, Texas. Figure 1.1 is a map showing the location of WSTF in southern Doña Ana County.

The facility provides testing services to NASA for United States space programs and support for the Department of Defense, Department of Energy, private industry, and foreign government agencies. The primary WSTF mission is to develop, qualify, and test the limits of spacecraft propulsion systems and subsystems. The installation also operates several laboratory facilities that conduct simulated use tests for space station materials, as well as compatibility testing.

WSTF historical operations resulted in a groundwater contaminant plume that requires extensive investigation activities and associated corrective actions. NASA developed and implemented a strategy for remediating contaminated WSTF groundwater in 1996, based on an analysis of potential risk to human health and the environmental and hydrogeological characteristics of the site. This strategy involves a sequential three-phase approach to: 1) stabilize the leading edge of the plume in the alluvial aquifer at the Plume Front area through operation of the Plume Front Treatment System (PFTS); 2) intercept a high-concentration portion of the plume within fractured bedrock in the Mid-plume area through operation of the Mid-plume Interception and Treatment System (MPITS); and 3) investigate contaminant source areas and remediate, as appropriate, any remaining sources of contamination identified during ongoing investigations.

There are currently 221 active groundwater monitoring locations (treatment system sample ports, extraction wells, conventional wells, and multiport well zones) in use at WSTF. Figure 1.2 provides a map of the facility and shows the locations of groundwater monitoring wells and components of the PFTS and the MPITS. Routine groundwater monitoring is performed in accordance with the NMED Resource Conservation and Recovery Act (RCRA) Permit (Permit; NMED, 2023a, p25), the Groundwater Monitoring Plan (GMP; NASA, 2024b), and the Remediation System Monitoring Plan (RSMP; NASA, 2024d).

This report provides details of groundwater (routine and related to corrective actions), PFTS, and MPITS samples processed through the WSTF data management system during the third quarter of 2025. Between May 1, 2025 and July 31, 2025, groundwater samples were collected at 75 groundwater monitoring wells or zones (109 sample events), eight PFTS sampling locations (12 sample events), and eight MPITS sampling locations (12 sample events). Specific monitoring activities for routine groundwater sampling are discussed in Section 4.0. The individual sampling activity at each monitoring well, well zone, or other sampling point is identified as a discrete sampling event (by location and sampling date). This report includes and discusses these sampling events.

The PFTS was operational on 67 of 92 days during the reporting period at an average flow rate of 807 gallons per minute (gpm) while running. Approximately 199.1 acre-feet (ft) of groundwater were treated at the PFTS during this timeframe. Specific information related to operation, maintenance, and monitoring of the PFTS is included in Section 5.1 of this report. The MPITS was operational on 54 of 92 days during the reporting period, treating approximately 1.39 acre-ft of groundwater including investigation-derived waste (IDW). Specific information on MPITS operation, maintenance, monitoring, and related activities is provided in Section 5.2.

2.0 Scope of Activities

Groundwater and remediation systems sampling event analytical results and remediation system operational data are provided for the reporting period. Updates for activities that are not associated with or reliant upon groundwater analytical data are provided for the calendar quarter.

NASA routinely collects groundwater and treatment system samples for the analysis of volatile organic compounds (VOC), N-nitrosodimethylamine (NDMA), and several inorganic compounds. On a less frequent basis, semi-volatile organic compounds are sampled, and in certain wells, samples for the analysis of 1,4-dioxane, total petroleum hydrocarbons, and 40 CFR Part 264 Appendix IX compounds are collected. The GMP (NASA, 2024b, pp 40-42) identifies the specific samples that are to be collected at each groundwater monitoring well. The RSMP (NASA, 2024d) provides sampling requirements for the PFTS and the MPITS.

Groundwater quality data, collectively referred to as indicator parameters, are measured during each sampling event. Indicator parameters may include temperature, pH, conductivity, turbidity, and (at wells sampled using low-flow procedures) oxidation-reduction potential and dissolved oxygen. Depth to groundwater (DTW) is also measured at each conventional monitoring well during the sampling event. Indicator parameters associated with sampling events during the reporting period are included in Appendix A as follows: groundwater monitoring wells (Section 4.2.2) – Appendix A.1; PFTS (Section 5.1.4.2) – Appendix A.3; and MPITS (Section 5.2.1.2) – Appendix A.5.

Chemical analytical data (detections only) for sampling events during the reporting period are discussed in the following sections: groundwater monitoring wells (Section 4.3) – Appendix A.2; PFTS (Section 5.1.5) – Appendix A.4; and MPITS (Section 5.2.5) – Appendix A.6.

Field data and the recording of other specific sampling-related details for each sampling event are discussed in Sections 4.0, 5.1, and 5.2 of this report. Logbook entries and internal chain-of-custody (CoC) forms from sampling events included in the report are provided in Appendix B. The external CoC forms associated with the sampling events can be found in the Lab Reports included on the enclosed DVD. Appendix C provides internal monthly WSTF Quality Assurance (QA) Reports for the reporting period. Appendix D includes the comparison of analytical results from the groundwater monitoring wells (Appendix D.1), PFTS (Appendix D.2), and MPITS (Appendix D.3) with cleanup levels. Only results that exceed cleanup levels are included in these appendices.

During groundwater sampling, IDW such as decontamination water and purged groundwater is produced. This IDW is treated by the MPITS as specified in the GMP (NASA, 2024b, p39).

3.0 Cleanup Levels

Cleanup levels for all hazardous constituents detected in WSTF groundwater are summarized in the GMP update (NASA, 2024b, pp 11-13) for 2024, submitted to NMED on April 29, 2024, and approved with modifications by NMED on December 30, 2024 (NMED, 2024). That document outlines the process for developing cleanup levels as specified in Section 3.5 of the Permit (NMED, 2023a, p28).

3.1 Discharge Standards for PFTS and MPITS Effluent

The Ground Water Discharge Permit Renewal and Modification, Discharge Permit (DP)-1255 (NMED, 2023b, p 7) specifies that remediated groundwater discharged from the two remediation systems shall not exceed the concentrations listed, which are generally consistent with NASA WSTF RCRA Permit NM

8800019434 for NDMA, trichloroethene (TCE), tetrachloroethene (PCE), and chloroform. Table 3.1 includes the current DP-1255 discharge standards for the four constituents.

3.2 New Detections

The GMP requires that NASA report new detections of hazardous constituents in groundwater monitoring wells (NASA, 2024b, pp 13-14). Each quarter, NASA may add new constituents to the list of analytes detected at certain WSTF groundwater wells. As a result, a number of new detections have been reported in sampling results at those wells. Most of the new detections are consistent with regional groundwater chemistry and require no action beyond continued monitoring and reporting. New detections, including non-hazardous constituents, reported in sampling events during the reporting period are provided in Table 3.2.

The GMP also requires detection monitoring at specific compliance points downgradient of the closures and operational areas of the facility. The wells specified are BLM-3-182 (for the 100 and 600 Areas), 200-B-240 and 200-SG-1 (for the 200 Area), 300-A-120 (for the 300 Area), and 400-C-143 (for the 400 Area). Detection monitoring was not performed during the reporting period.

In addition to the inorganic constituents that are characteristic of regional groundwater, NASA observed several new detections that require further evaluation. The hazardous constituents in Table 3.3 have not been previously detected at the wells listed in the table. As specified in Section 3.3 of the GMP, NASA has scheduled resampling of these wells to confirm detections (NASA, 2024b, pp 13-14) of arsenic, chromium, copper, cyanide, manganese, nickel, perchlorate and selenium during the next scheduled sampling event at the respective monitoring wells. Table 3.4 lists the resampling date and the resolution of some of the unconfirmed detections reported in previous periodic monitoring reports (PMRs). The wells were resampled as required and the new detections were resolved as indicated in the table.

NASA has observed many new per- and polyfluoroalkyl substances (PFAS) detections in several monitoring wells sampled in accordance with Section 11.2 of the approved GMP. These detections will be further evaluated as part of the Per- and Polyfluoroalkyl Substances Investigation at WSTF. Follow-on sampling, analytical results and evaluations will be provided in the investigation report in accordance with the investigation work plan, submitted to NMED on July 29, 2025 (NASA, 2025).

4.0 Routine Groundwater Monitoring

A variety of groundwater monitoring data are collected from monitoring wells and the groundwater treatment systems during routine WSTF operations. These data consist of measured groundwater elevations, calculated groundwater piezometric elevations, the graphical representations of groundwater elevation generated from these data, and groundwater indicator parameters (field water quality measurements).

Data presented in this section, including groundwater elevations and indicator parameters, were collected from various groundwater monitoring locations during the reporting period. Groundwater chemical analytical data also from this timeframe, while not considered monitoring data in some contexts, are also presented in this section.

4.1 Current Status and Monitoring Performed

NASA continues to monitor groundwater to maintain a complete understanding of plume characteristics, contaminant migration, and the overall impact of ongoing corrective action efforts. This section discusses the results of routine groundwater samples collected from groundwater monitoring wells or zones during

the reporting period and processed using the WSTF data management system during the second quarter of 2025. For this reporting period, 109 groundwater monitoring wells or zones and 12 PFTS and 12 MPTIS sampling locations were sampled between May and July 2025, in accordance with GMP sampling frequencies (NASA, 2024b, pp 97-105). Table 4.1 provides a list of the monitoring wells and PFTS and MPITS sampling locations, and their associated sampling events for which analytical data are presented in this report.

4.2 Groundwater Monitoring Results

This section provides the results of groundwater monitoring, including groundwater elevations and groundwater quality measurements.

4.2.1 Groundwater Elevations

Groundwater elevations at WSTF's conventional monitoring wells, piezometers, and exploration wells are determined by manually measuring the water level. Piezometric elevations at Westbay®[1] multiport wells are calculated based on the groundwater formation pressures measured at target monitoring zones. Piezometric elevations for Flexible Liner Underground Technologies, LLC (FLUTe™) multiport monitoring wells are calculated from dedicated pressure transducer measurements at specified monitoring zones. DTW or formation pressures are measured quarterly and during each sampling event.

Formation pressures at multiport wells in the Plume Front and Mid-plume areas are typically measured during the same week as quarterly DTW measurements at conventional wells. Groundwater elevations from Westbay zones are calculated from pressure data typically collected at the uppermost sampling ports (proximal to the water table) using Westbay pressure measurement equipment. Potentiometric data from multiport wells in other areas of the site are also available. Groundwater elevations are subject to quality review prior to their use in data presentations. Anomalous or erroneous values are flagged as unusable and excluded from the dataset used to generate graphical presentations of groundwater elevation.

The potentiometric surface depicted in Figure 4.1 was developed by hand-contouring the most recent water level dataset that corresponds to the analytical reporting period. These data were collected on July 21, 2025 and July 28, 2025 and are provided in Table 4.2. In Figure 4.1, groundwater elevation contours depict a general westward groundwater flow across the facility. Subtle variations in groundwater elevation may occur within discrete transmissive flow paths at varying depths below ground surface (bgs) in the fractured bedrock aquifer located east of the Western Boundary Fault Zone (WBFZ). Due to the scale, these local elevation variations may not be reflected in the figure. The prominent transition in the hydraulic gradient from the WSTF pediment area east of the WBFZ (0.05 ft/ft) to the relatively flat southern Jornada del Muerto Basin of the WSTF Plume Front area (0.0002 ft/ft) is also evident in the figure. No contours are depicted in the Plume Front area because the range of observed water elevations in that area is less than the contour interval (40 ft). Further discussion of Plume Front and Mid-plume groundwater elevations is provided in Section 6.3.1 of this report.

4.2.2 Groundwater Quality Measurements (Indicator Parameters)

Groundwater indicator parameters are obtained from field quality measurements performed during each sampling event. The groundwater indicator parameters associated with the groundwater monitoring well sampling events included in this report (see Table 4.1) are provided in Appendix A.1.

[1] Westbay is a registered trademark of Nova Metrix Ground Monitoring (Canada) Ltd.

Indicator parameters and other specific sampling-related details associated with each monitoring well sampling event are recorded by technicians in the field sampling record. Appendix B provides the field sampling records and field/internal CoC forms for each sampling event performed during the reporting period. The WSTF external CoC forms for groundwater samples collected during these sampling events are provided in the Lab Reports on the enclosed DVD provided in Enclosure 3.

4.3 Groundwater Chemical Analytical Results

Table 4.1 lists groundwater monitoring wells sampled during the reporting period. Groundwater chemical analytical data from these wells were processed through the WSTF data management system during the second calendar quarter of 2025 and detections are included in Appendix A.2.

NASA has also included a copy of the historical analytical database with this report. The database is provided to facilitate NMED's review of groundwater analytical data provided in this report and to allow for the historical comparisons required by the Permit (NMED, 2023a, p65). NASA's historical database is an operational tool developed, maintained, and used by NASA environmental staff to manage and archive environmental data. It is not intended to serve specifically as a regulatory reporting mechanism. NASA reserves the right to implement changes to the database that are deemed appropriate to meet the WSTF internal environmental data management requirements. Any changes will not affect the integrity of historical analytical data. The amount of historical data has exceeded the capacity of a Microsoft Access®[2] database, and as a result, all the historical data cannot be contained in the database included with this report for use by NMED. Historical data prior to 2000 was removed from the reporting database to facilitate database operation and ease of use by NMED. Pre-2000 historical data of significance in decision-making is appropriately reflected in the time-concentration (T-C) plots presented in Appendix E.

A summary of internal QA methods applied to groundwater chemical analytical data is provided in Appendix C. The QA reports included in Appendix C apply to analytical results from sampling events performed during the reporting period. As requested by NMED (NMED, 2013), all laboratory analytical reports corresponding to the analytical data presented in this report are also provided electronically (.pdf format) with this submittal.

The most recent chemical analytical data, including data processed in the third quarter of 2025, were used to develop manually contoured plume iso-concentration maps for NDMA (Figure 4.2) and TCE (Figure 4.3). The lowest iso-concentration contour on each map corresponds to the required cleanup level for that analyte.

5.0 Treatment System Monitoring

This section provides information related to NASA's environmental remediation systems at WSTF. It provides the current operational status of the treatment systems and includes a discussion of the capabilities and performance of the treatment systems, pertinent monitoring data from the systems, and applicable chemical analytical data associated with remediation system monitoring.

5.1 Plume Front Treatment System

The PFTS is a pump and treat groundwater remediation system that utilizes air stripping and ultraviolet (UV) photolysis to remove VOC and nitrosamines from contaminated groundwater. The system is an interim measures presumptive remedy located at the leading edge of the WSTF contaminant plume. It was

[2] Microsoft Access is a registered trademark of the Microsoft Corporation.

implemented during the first phase of NASA's remediation strategy to stabilize plume migration. This section provides information related to PFTS operation, performance, and monitoring during the reporting period. Chemical analytical data from PFTS sampling events completed during the reporting period are also provided.

5.1.1 PFTS Operational Status

The operational status of the PFTS is summarized in Table 5.1 and Table 5.2.

5.1.2 PFTS Performance

This section summarizes the performance of the air strippers and UV reactor for the reporting period. Additional operational status and other details may also be presented or discussed. A variety of parameters are monitored regularly to ensure that the PFTS is properly functioning and is adequately treating the WSTF contaminants of concern (COC).

Operational records indicate that extraction well Plume Front extraction (PFE)-3 experienced intermittent communication issues with the control system during August 2025, which resulted in a slight reduction in total system flow. System availability statistics, which exclude scheduled shutdowns for planned maintenance, indicate the system was operational for 81.9% of July, 92.5% of August, and 92.1% of September 2025. Average operating flow rates for the PFTS were 808 gpm for July, 780 gpm for August, and 794 gpm for September 2025.

5.1.2.1 Air Stripper Capabilities and Performance

The PFTS consists, in part, of two multi-sieve tray air strippers that operate in a parallel configuration to treat the WSTF VOC of concern. A single air stripper can be used when the system is operating at 650 gpm or less. Both air strippers are used when the system flow rate is greater than 650 gpm. The air strippers must maintain an air flow rate between 3,600 standard cubic feet per minute (scfm) and 4,680 scfm to ensure treatment of VOC. Table 5.3 provides the VOC performance data for the air strippers during the reporting period. Chemical analytical data provided in this report demonstrate that DP-1255 discharge limits and Permit-required cleanup levels were achieved throughout the reporting period.

5.1.2.2 UV Reactor Capabilities and Performance

The PFTS includes a 12-lamp Rayox UV reactor that uses UV photolysis to break down nitrosamines (specifically NDMA) in groundwater. The UV reactor is designed to operate at a minimum hydraulic flow rate of 200 gpm and a maximum flow rate of 3,000 gpm. Table 5.3 provides the NDMA treatment performance data for the UV reactor during the reporting period. As indicated by these data, system design parameters and cleanup levels for NDMA were achieved during the reporting period.

5.1.3 Extraction and Injection Well Performance

Extraction and injection well performance for the reporting period, as based on volumetric flow rates, extraction well drawdown, and water levels and injection well specific capacities, is summarized below. Average Plume Front injection (PFI) well flow rates and average PFE well flow rates for the reporting period are provided in Table 5.4.

5.1.3.1 Extraction and Injection Well Flow Rates and Specific Capacities

Flow rates for extraction and injection wells were measured and monitored throughout the reporting period. While in operation during the reporting period, flow rates for wells PFE-1, PFE-2, PFE-3, PFE-4A, and PFE-7 were stable and within expected values. The operational flow rate for PFE-5, which is screened in fractured bedrock, was 59% of its 5.5 gpm design flow rate; and consistent with operational flow rates for this well during previous reporting periods.

Wells PFI-3 and PFI-4 operated near their respective design injection flow rates during the reporting period. NASA operated PFI-2 slightly above its design flow rate during the reporting period to maintain hydraulic mounding in the vicinity of well PFI-1, which was plugged and abandoned in April 2025 in accordance with applicable regulations. NASA will continue to evaluate plume capture to determine if additional groundwater control measures are needed.

Specific capacities for the PFE and PFI wells are provided in Table 5.5 and are expressed in gallons per minute per foot (gpm/ft). Generally, PFE well specific capacities are higher than PFI well specific capacities. This is due to the differences between extraction and injection well hydraulics.

5.1.3.2 Injection Well Water Level Variations, Well Monitoring, and Maintenance

Water levels at operational PFI wells are monitored on a continual basis using dedicated pressure transducers that record the levels at 1-second intervals. Specific well capacities are recorded on a continual basis by the system industrial controls software while the system is in operation and reviewed by system engineers if increases in injection well water levels indicate a potential loss of well efficiency. Periodic backflushing of the injection wells is performed when the wells exhibit rising water levels associated with decreased well capacities and during start-ups and shutdowns. Operations personnel have been using static water table levels as a guide for setting the injection flow rates to each well to maintain a stable injection operation.

5.1.4 PFTS Monitoring Results

System monitoring involves the evaluation of a variety of data collected during routine PFTS sampling-related operations. Groundwater monitoring data consist of measured groundwater elevations, calculated groundwater piezometric elevations, graphical representations of groundwater elevation generated from the data (Section 6.3.3), and groundwater indicator parameters (water quality field measurements). The data presented in this section were collected from PFTS monitoring locations during the reporting period. Groundwater chemical analytical data from PFTS sampling events, while not considered monitoring data in some contexts, are also presented in this section.

5.1.4.1 PFTS Monitoring Events

This section and associated appendices discuss the results of routine PFTS samples processed through the WSTF data management system during the reporting period. Groundwater samples processed and included in this report were collected at two PFTS monitoring locations during the reporting period. Table 4.1 provides a list of the PFTS monitoring locations and sampling event dates for which analytical data are presented in this report.

5.1.4.2 PFTS Groundwater Quality Measurements (Indicator Parameters)

Groundwater indicator parameters and other specific sampling-related details associated with each sampling event are recorded by field technicians in the field sampling record. The groundwater indicator

parameters measured at each PFTS sampling event in Table 4.1 are provided in Appendix A.3. Appendix B provides the field sampling records and internal CoC forms and the lab reports include laboratory CoC forms for each of the PFTS sampling events discussed in this section.

5.1.5 PFTS Chemical Analytical Results

This section and associated appendices provide the groundwater chemical analytical data processed through the WSTF data management system during the first calendar quarter of 2025. Appendix A.4 provides the analytical results (detections only) from PFTS sampling events performed during the reporting period. A summary of internal QA methods applied to groundwater chemical analytical data is provided in Appendix C.

5.1.6 PFTS Mass Removal

Table 5.6 uses available analytical data to calculate the mass of the various WSTF COCs removed by the PFTS between August 1, 2024 and July 31, 2025. During this 12-month period, the PFTS removed approximately 21.1 kilograms (kg) of TCE, 16.8 kg of Freon®[3] 589 grams (g) of PCE, and 176.3 g of NDMA.

The contaminant mass removal was calculated as follows:

Mass Removal =
Total Volume Treated x (Influent Concentration – Effluent Concentration)

5.2 Mid-plume Interception and Treatment System

The MPITS is the major component of the second phase of NASA's overall groundwater plume remediation strategy. This interim measure presumptive remedy was designed to intercept high COC concentrations within the fractured bedrock aquifer of the Mid-plume Constriction Area (MPCA).

The operational status of the MPITS is summarized below. Component/system failures, repair, and scheduled maintenance activities accounted for the majority of the short duration shutdowns during the reporting period.

5.2.1 MPITS Monitoring Results

System monitoring involves the collection and evaluation of a variety of data during routine MPITS sampling-related operations. Groundwater monitoring data consist of measured groundwater elevations, calculated groundwater piezometric elevations, graphical representations of groundwater elevation generated from these data (refer to Section 6.3.3), and groundwater indicator parameters (water quality field measurements).

The data presented in this section were collected from six MPITS monitoring locations during the reporting period. Groundwater chemical analytical data from MPITS sampling events, while not considered monitoring data in some contexts, are also presented in this section.

[3] Freon is a registered trademark of The Chemours Company FC, LLC.

5.2.1.1 MPITS Monitoring Events

This section and associated appendices discuss the results of routine MPITS samples collected during the reporting period and processed by the WSTF data management system during the reporting period. Table 4.1 includes the MPITS monitoring locations and sampling event dates for which analytical data are presented in this report.

5.2.1.2 MPITS Groundwater Quality Measurements (Indicator Parameters)

Groundwater indicator parameters and other specific sampling-related details associated with each sampling event are recorded by the field technicians in the field sampling record. The groundwater indicator parameters measured at each MPITS sampling event listed in Table 4.1 are provided in Appendix A.5. Appendix B provides the field sampling records and internal CoC for each of the MPITS sampling events discussed in this section. The laboratory CoC for each of the MPITS sampling events discussed in this section are provided in the lab reports enclosed on the DVD.

5.2.2 MPITS Operational Status

The operational status of the MPITS is included in Table 5.1 and Table 5.2.

Operational records indicate that the MPITS performed favorably during the reporting period and experienced minimal unplanned interruptions. System availability statistics, which exclude scheduled shutdowns for planned maintenance, indicate the MPITS was operational for 93.1% of July, 97.9% of August, and 99.9% of September 2025. Average operating flow rates for the MPITS were 8.4 gpm for July, 7.9 gpm for August, and 8.0 gpm for September 2025.

5.2.3 MPITS Performance

This section summarizes the MPITS air stripper and UV reactor performance during the reporting period. Operational status and other details may also be presented or discussed. A variety of parameters are monitored regularly to ensure that the MPITS is functioning properly and effectively treating the WSTF groundwater for COC reduction.

5.2.3.1 Air Stripper Capabilities and Performance

The MPITS consists of a single sieve tray air stripper designed to treat WSTF groundwater VOCs of concern at flow rates up to 125 gpm. Table 5.7 provides the VOC performance data for the air stripper based on MPITS analytical data for the reporting period. As indicated by these data, system design parameters and discharge limits for the VOCs were achieved during the reporting period. The MPITS influent is composed of groundwater from operational Mid-plume extraction (MPE) wells and IDW generated during groundwater sampling, well maintenance, well evaluation activities, and other groundwater-related operations at WSTF. Effluent sample results are closely monitored to ensure the air stripper continues to function properly.

5.2.3.2 UV Reactor Capabilities and Performance

The MPITS uses a 72-lamp UV photolysis reactor to break down nitrosamines in groundwater. The UV reactor is designed to operate at flow rates between 20 and 125 gpm. The reactor is capable of automatically adjusting power to the lamps to meet a target of 4.1 orders of magnitude reduction in contaminant concentrations. However, electrical power to the lamps is currently set manually at 100 percent to comply with current internal NASA operational requirements. The UV reactor achieved

approximately four orders of magnitude reduction during the reporting period. Table 5.7 shows the UV reactor's performance for the reporting period. As indicated by these data, system design parameters and discharge limits for NDMA were achieved over the reporting period. Effluent sample results are closely monitored to ensure the UV reactor continues to function properly

5.2.4 MPITS Extraction Well and Infiltration Basin Performance

Wells MPE-1, MPE-9, MPE-10, and MPE-11 operated at various flow rates during the reporting period. There were no MPITS infiltration basin performance anomalies during the reporting period.

Well MPE-8 remains offline because the carbon steel casing and well screen is encrusted with iron tubercles and require rehabilitation before the well can potentially be reactivated. As a means of supplementing contaminant mass removal, NASA activated exploration wells MPE-3 and MPE-4 in July 2025, as indicated in the *Remediation System Monitoring Plan Annual Update for 2024* (NASA, 2024d, pp 10-11). MPE-3 and MPE-4 are equipped with solar-powered submersible pumps, manually read analog flow meter, and automatic shutoff devices, and operate during daylight conditions. NASA utilizes tanker trailers to transfer groundwater extracted at each of these two wells to the MPITS for processing.

5.2.4.1 Extraction Well Flow Rates and Production Capacities

The MPE wells are completed in a fractured bedrock aquifer. Reduced well production capacity in this area resulted in cyclic operation of the extraction wells throughout the reporting period. Extraction well performance is characterized by evaluating well pumping rates and drawdown of water levels during pumping at each extraction well. Except for well MPE-8, as noted above, no extraction well performance anomalies with respect to pumping rates and water level drawdowns were observed during the reporting period.

5.2.4.2 Infiltration Basin Performance, Monitoring, and Maintenance

The MPITS infiltration basin was designed to accept up to 200 gpm. No operational or performance issues were identified during the reporting period.

5.2.5 MPITS Chemical Analytical Results

Appendix A.6 provides the MPITS chemical analytical data for the analytical reporting period (detections only). A summary of internal QA methods applied to groundwater chemical analytical data is provided in Appendix C.

5.2.6 MPITS Mass Removal

Table 5.8 summarizes the mass of the various WSTF COC removed by the MPITS between August 1, 2024 and July 31, 2025. Approximately 1.144 kg of COC mass was removed by the MPITS during this 12-month period. In addition to groundwater extracted in the MPCA, the MPITS accepts and treats IDW generated during other groundwater investigations. The contaminant mass removal was calculated as follows:

$$\textit{Mass Removal} = \textit{Volume of Water Extracted at Each Well} \times (\textit{Contaminant Concentration at Each Well} - \textit{MPITS Effluent Concentration})$$

5.3 Remediation Systems Operation Costs

Table 5.9 presents the costs for operating the PFTS and MPITS for the 12 months from September 1, 2024 to August 31, 2025. The table summarizes the cost of the labor and materials for operation and maintenance of both systems, and includes the electrical costs associated with system operations.

6.0 Discussion and Conclusions

Routine groundwater monitoring is conducted at WSTF to support a variety of projects. The primary objectives of routine groundwater monitoring at WSTF are to delineate the extensive contaminant plume resulting from historical contaminant releases at the facility, support the development and implementation of corrective actions, and monitor the impact of these corrective actions during implementation and operation. Groundwater sampling at WSTF is currently focused on the Plume Front and Mid-plume areas, both of which are critical to NASA's overall groundwater remediation efforts.

This section provides discussion and conclusions based on the results of groundwater monitoring conducted at WSTF. Also included is a summary discussion of the remediation systems' performance, monitoring results, system modifications, and compliance with discharge requirements and/or applicable cleanup levels. Chemical analytical results from the PFTS, MPITS, and routine groundwater monitoring are compared to cleanup levels (refer to Appendix D). This section also provides NASA's anticipated future groundwater monitoring and related activities at WSTF.

6.1 Summary of Groundwater Monitoring Projects

Routine groundwater monitoring was performed during this quarter in accordance with currently approved permits, plans, and other regulatory requirements. In general, the WSTF contaminant plume is relatively stable in nature and extent. The potential for continued migration of the plume resulted in the development of the phased approach to groundwater remediation discussed in Section 1.0. NASA continues to collect a variety of groundwater data from the comprehensive WSTF groundwater monitoring network. Monitoring results are presented in detail in the relevant sections of this report and in later sections of this summary. Several noteworthy projects related to routine groundwater monitoring are discussed below.

6.1.1 Monitoring Well Performance or Sampling Equipment Issues

NASA performed all scheduled sampling during the previous (February 1, 2025 through April 30, 2025) and current (May 1, 2025 through July 31, 2025) reporting periods. In February 2025, NASA was unable to sample Water FLUTe interval WW-4-419 due to low water level. NASA was able to collect a representative groundwater sample from Water FLUTe interval WW-4-419 on May 12, 2025. NASA will continue to monitor the water level at this sampling interval and collect samples if adequate groundwater is available to provide representative samples. In May 2025, NASA was unable to sample monitoring wells ST-1-473 and BW-4-330 because of inadequate groundwater and elevated turbidity, respectively. NASA resolved both issues and performed sampling at these wells in June 2025. In May 2025, NASA conducted sampling activities at well 600-G-138 in conjunction with scheduled soil vapor sampling. NASA was unable to sample well 600A-003-GW in July 2025 because the water level was inadequate for the collection of representative samples. This section does not address wells that were not sampled due to short-term unplanned resource limitations.

Recent occurrences of sampling issues, backlog of prior unresolved issues, and issues resolved this quarter are summarized in Table 6.1.

6.1.2 Monitoring Well Installation and Well Plugging and Abandonment

There was no significant monitoring well installation or abandonment activities in the third quarter of 2025. Appendix F provides additional details on well abandonment and installation activities.

6.1.3 Westbay Well Reconfiguration

There was no significant Westbay well reconfiguration work in the third quarter of 2025 while NMED reviewed several related documents. Historical information and full submittal history for well reconfiguration projects are provided in Appendix F.

6.1.4 Groundwater Monitoring Data Representativeness

There were no significant activities in the third quarter of 2025 related to groundwater data representativeness.

6.2 Comparison of Analytical Data to Cleanup Levels

This section and the associated appendix compare the chemical analytical data obtained from groundwater remediation system sampling points and groundwater monitoring wells to the approved cleanup levels provided in the GMP (NASA, 2024b, pp 11-12). Appendix D provides a comparison of groundwater data to cleanup levels for the current analytical reporting period.

6.2.1 Groundwater Monitoring Wells

Appendix D.1 includes a comparison of groundwater monitoring well data to applicable cleanup levels for the analytical reporting period. Only analytical results that exceed cleanup levels are included in the tables.

6.2.2 Plume Front Treatment System

Groundwater samples were collected from the PFTS influent and effluent as required by the RSMP (NASA, 2024d) and DP-1255 (NMED, 2023b, p8). Chemical analytical data from these sampling events were presented in Section 5.1.5 and Appendix A.4. Appendix D.2 includes any PFTS influent results that exceeded cleanup levels during the current analytical reporting period. The PFTS effluent met all DP-1255 discharge limits and Permit cleanup levels.

6.2.3 Mid-plume Interception and Treatment System

Groundwater samples were collected from the MPITS influent and effluent as required by the RSMP (NASA, 2024d) and DP-1255 (NMED, 2023b, p8). Chemical analytical data from these sampling events were presented in Section 5.2.5 and Appendix A.6. Appendix D.3 includes any MPITS influent data that exceeded cleanup levels during the current analytical reporting period. There were no DP-1255 discharge limit or cleanup level exceedances from the MPITS during the reporting period.

6.3 Contaminant Plume Evaluation

The plume evaluation for the third quarter of 2025 includes potentiometric surface maps and a variety of chemical analytical data.

6.3.1 Groundwater Elevations

A manually contoured potentiometric surface map (Figure 6.1) is provided for the WSTF Plume Front area that correlates with the end of the current reporting period. Data used to generate contours for this map are identical to the data used to generate the site-wide contours (Figure 4.1). Only slight variations in groundwater elevation changes were identified during the reporting period compared to the previous quarter. The 40-ft contour used in the site-wide potentiometric map is supplemented by 2-ft contours in the Plume Front potentiometric surface map. Arrows indicate the general direction of groundwater flow. The influence of PFTS operation is evident by the depression in the potentiometric surface that is caused by pumping at the PFE wells. The hydraulic mound produced by injecting treated water at the PFI wells is apparent at the southern edge of the figure.

Groundwater elevations measured in the MPCA during this analytical reporting period are presented in the manually contoured Mid-plume potentiometric surface map (Figure 6.2). Only slight variations in groundwater elevation changes were identified during the reporting period compared to the previous quarter. The data used to generate contours for this map are the same values used to generate the site-wide potentiometric map (Figure 4.1). The general west-trending groundwater flow direction through the Mid-plume area is apparent in Figure 6.2, though local variations may exist within discrete fractures or higher conductivity flow zones within the fractured bedrock aquifer in this area. Groundwater elevation is generally depressed downgradient of well MPE-11 near well MPE-6.

6.3.2 Plume iso-concentration maps

Figure 6.3 and Figure 6.4 present manually contoured iso-concentration maps of the Plume Front for NDMA and TCE using data processed during this reporting period. The manual contouring method allows a geologist to evaluate plume contaminants against interpreted hydrogeological features to create a realistic representation of the contaminant plume. Hydrogeological conditions considered during the manual contouring of contaminant concentrations are primarily hydrostratigraphic units or significant structural features that cause the juxtaposition of variable hydraulic conductivities. The lowest value solid iso-concentration line on each map corresponds to the required cleanup level for the analyte presented. The iso-concentration maps are consistent with the maps presented in previous reports (i.e., a like-to-like comparison in the case of NDMA), the monthly evaluation of contaminant concentrations, and site-wide plume maps that have been provided to NMED over the last several years.

6.3.3 Combined Plume Iso-concentration Maps and Potentiometric Surface Map

Figure 6.5 shows the interrelationship of the Plume Front potentiometric surface interpreted groundwater divide, and manually contoured TCE plume for the current analytical reporting period. TCE was selected because it is the most widely distributed health-risk-driving contaminant in the conceptualized contaminant plume.

6.3.4 Time-concentration Plots and Groundwater Data Analytical Trends

T-C plots are used to evaluate and summarize groundwater contaminant concentration trends in WSTF wells over time on a quarterly basis as presented in this report. An interpretation of the groundwater concentration trends shown in T-C plots for the third quarter 2025 is provided in this section.

To facilitate this evaluation, WSTF monitoring wells are grouped as listed in Table 3.3 of the GMP (NASA, 2024b, pp 79-85). T-C plots are generated using analytical data from each operating monitoring and remediation well. The concentration trends for four of the primary COCs (Trichlorofluoromethane [Freon 11], TCE, PCE, and NDMA) in groundwater are reviewed by technical personnel to develop the

summary map and table presented in Appendix E. This table includes the historical maximum contaminant concentration and latest concentration for the four primary COCs in conjunction with an interpretation of the latest T-C trend for each well. For NDMA, results are presented for both EPA Method 607 and low-level laboratory analysis where available for specific wells. Each T-C trend evaluation places emphasis on analytical results reported over the last several quarters, which may supersede earlier trends that may have been reported following initial well installation. As a result, the current T-C interpretation may not reflect the full historical variability in T-C behavior through the life of the well, particularly for older wells installed in the mid-1980s through the 1990s. Individual wells that have been out of service for several years and/or have been plugged and abandoned do not accurately represent current conditions and are excluded from the evaluation. Recently installed wells with less than four sampling events performed are also excluded from the evaluation until sufficient data is available to assign a trend.

The identification of a trend for COC concentrations within a specific well is based on the evaluation of analytical data collected over a minimum of four analytical datapoints to provide adequate data for statistical analyses. This is the approach described in the United States *Environmental Protection Agency Groundwater Statistics Tool User's Guide* (EPA, 2018). This strategy is necessary to avoid the premature determination of a trend representative a short-term fluctuation that reverts to previous conditions for the subsequent quarter. For wells that are not sampled on a quarterly schedule, the evaluation of four sampling events extends over a greater time interval. T-C plot trends are also evaluated in conjunction with supporting criteria before any modifications to the existing T-C plot interpretations are made, including:

- field sampling conditions,
- contracted analytical laboratory operations,
- hydrogeological observations,
- aquifer recharge conditions,
- well development activities,
- well contaminant concentration history, and
- any changes in the operational status of proximal remediation wells.

The majority of WSTF wells reflect either declining COC concentrations in groundwater over time, or relatively stable and slightly fluctuating concentrations that have remained relatively consistent over the last several years. For this reporting period, only conventional monitoring well BLM-5-527 (MPCA Well Group, northwest plume arm) is characterized as having a "natural migration: increasing trend of one or more primary COCs". A summary of each of the GMP well groups is provided in the following paragraphs, along with a discussion of the T-C plots for specific wells identified within the group. T-C plots for the specific wells discussed are provided in Appendix E.

Upgradient (Background) Well Group: The four wells designated as background groundwater monitoring wells are located east and upgradient of the WSTF industrialized areas. There were no VOC or NDMA 607/NDMA low level detections above 0.35 nanograms per liter (ng/L) detected in groundwater and all four wells (100-F-358, 100-G-223, 300-F-175, and NASA 3) were classified as not detected (ND).

100/600 Area Well Group: Monitoring wells within this group are located within the 100 Area and the proximal 600 Area to the west in the vicinity of the 600 Area Closure. The wells are located near the southeastern boundary of the groundwater plume, with COCs inferred to be sourced by the former 600 Area Closure hazardous waste management unit (HWMU) and/or the 200 Area HWMUs and solid waste management units (SWMUs). Most wells show a declining trend since the inception of sampling and there were no significant changes in the monitoring well interpretations for this reporting period. Several of the wells in this group are located within a confined area of TCE groundwater contamination centered

on the 600 Area Closure that is detached from the footprint of the primary groundwater plume to the north. These wells reflect a long-term decreasing concentration trend for Freon 11, TCE, and PCE since the inception of groundwater sampling in the oldest wells in the late 1980s. This trend is characteristic of wells screened within the fractured bedrock aquifer, and well 600-G-138 (T-C plot provided) that is screened across a localized perched groundwater horizon located on the top of andesite bedrock at the east corner of the 600 Area Closure. For example, the concentration of TCE in well 600-G-138 has declined from 130 micrograms per liter (µg/L) in 2012 to 31 µg/L in 2025. NDMA in groundwater is sourced from the 300 and 400 Areas and is not identified within the 100 and 600 Areas.

200 Area Well Group: The 200 Area is the primary historical source of Freon 11 and TCE groundwater contamination at WSTF. Maximum concentrations for these contaminants in monitoring wells were reported in the early through mid-1990s. Over the last 30 years, the majority of 200 Area T-C plots reflect a long-term decreasing trend in contaminant concentrations since the inception of sampling for these COCs and no significant changes in the interpretations were performed for this reporting period. As a typical example, the TCE concentration in well 200-D-240 has declined from 110 µg/L in 1990 to 14 µg/L in 2025 (87% reduction). The decreases reflect natural plume migration and degradation under the influence of a steep east to west horizontal hydraulic gradient of 0.05 ft/ft within a fractured limestone aquifer in conjunction with the implementation of effective waste management practices in the 1980's that eliminated additional source discharges. Wells that display slightly fluctuating to relatively stable trends are typically screened across intervals in poorly fractured (lower hydraulic conductivity) andesite bedrock further to the west and southwest. These wells are characterized by low bedrock porosity, low hydraulic conductivity, reduced groundwater flow, and lower COC concentrations.

300/400 Area Well Group: T-C plots for monitoring wells show long-term COC concentration trends that fluctuate minimally and are relatively consistent in magnitude (typically wells screened within poorly fractured andesite bedrock near the 400 Area Closure HWMU) or have declined since the inception of sampling over a period exceeding 35 years for the older monitoring wells installed in the late 1980s. There were no significant changes in the monitoring well interpretations for this reporting period. Declining trends are again associated with wells with higher hydraulic conductivity that are typically screened across the top of bedrock at the andesite-alluvium interface. These wells are located adjacent to the 300/400 Area primary arroyo with increased natural recharge from the Bear Canyon catchment area to the east. Wells that do not display declines are typically located off the axis of primary recharge drainages or are protected from direct precipitation infiltration by low permeability surfaces (300 and 400 Area Closure impoundment caps). Declining groundwater concentration trends in the 300 and 400 Areas can be attributed to the strong hydraulic gradient of 0.05 ft/ft in the area in conjunction with effective waste management practices implemented in the 1980s. Relatively consistent trends for NDMA reported for monitoring wells screened below the alluvial-bedrock interface in andesite bedrock result from the limited connectivity of fractures and reduced flow through the sampling screen.

Northern Boundary Well Group: Many monitoring wells are characterized as ND over the long-term since the inception of sampling or display relatively low NDMA concentrations with slightly fluctuating to flat T-C trends. NDMA low-level analysis has dropped below the NDMA cleanup level of ≥ 4.9 ng/L for all wells within this group. All monitoring wells are classified as either ND or "low-level NDMA" <4.9 ng/L for this reporting period with the exception of well 700-D-186 that has a low concentration of TCE of 0.42 (J Flag) µg/L.

Southern Boundary Well Group: Monitoring wells located south of the NDMA and TCE plumes are below the low-level NDMA cleanup level of 4.9 ng/L and are predominantly classified as ND or fluctuating low-level NDMA detections <4.9 ng/L. There were no changes to the interpretations for this reporting period. A single monitoring well (BLM-6-488, T-C plot provided) has shown irregular low concentrations of TCE over the long-term since 1995 (currently 2.5 µg/L) below the NMED TCE cleanup

level (5.0 µg/L) and is characterized as exhibiting "natural migration: no overall trend of one or more primary COCs."

MPCA Well Group: T-C plots for monitoring wells in this group predominantly show long-term declining contaminant trends associated with either natural plume migration and attenuation or MPITS pumping that commenced in 2011. No significant changes to the interpretations of the analytical trends were performed for this reporting period . Well BLM-5-527 represents the only monitoring well interpreted to have a "natural migration – increasing T-C" trend at WSTF. The increase is inferred to reflect the migration of contaminants into low conductivity rhyolite bedrock near the leading edge of the northwest-trending arm. Although the flow of contaminants to the northwest arm was arrested following MPITS startup, COC mass already present within the arm may have still migrated into this location. T-C plots for wells BLM-21-400, BLM-26-404, BLM-36-350, and BLM-18-430, are included in Appendix E.

Well BLM-21-400 is located approximately 500 ft south of well MPE-11 and immediately downgradient of the primary confluence of the TCE and NDMA plumes from their respective source areas (Freon 11 and TCE originate from the 200 Area [characteristic of upgradient well BLM-14-327] and NDMA originates from the 300 and 400 Areas [characteristic of upgradient well BLM-15-305]). Contaminant concentrations in BLM-21-400 reflect a natural decreasing trend for Freon 11 (320 to 93 µg/L), TCE (220 to 61 µg/L), PCE (12 to 3.1 µg/L), and NDMA (5.6 to 0.68 µg/L) since well installation in 1991.

Multiport well BLM-36 is located downgradient and to the south-southwest of the MPITS. The T-C plots for the shallow zone in well BLM-36 (BLM-36-350) identify groundwater COCs that have not been detected in deeper zones of this well. This well represents a significant location for vertical delineation in the Mid-plume. BLM-36-350 has previously shown both consistent and more declining concentrations for groundwater COCs since activation of the MPITS and is currently classified as "pumping-related migration – no overall trend."

Wells BLM-26-404 and BLM-18-430 are located in the northwest-trending arm of the WSTF groundwater contaminant plume that extends from the MPCA. These wells are monitored to determine the effect of operation of the MPITS on the migration of groundwater contaminants into this area. The T-C plots for well BLM-18-430 shows an overall long-term decline in contaminant concentrations since startup of the MPITS in 2011, inferred to be related to the arrest of contaminant migration to the northwest arm through continuous operation of the MPE wells. Due to slight increases in the contaminant concentrations since February 2023, the current short-term classification for well BLM-26-404 is "natural migration – no overall T-C" trend. The increases may potentially be related to a temporary reduction in extraction volume from the MPITS in recent years associated with inactivity at well MPE-8. Increases are being monitored, and work is currently in progress to bring two new extraction wells online (MPE-4 and MPE-4).

Main Plume Well Group: Wells in this group are located within the western section of the groundwater plume at the Plume Front and show long-term declining trends related to natural migration or pumping based on the proximity to the PFTS extraction wells that became operational in 2001. No changes in the interpretation for the analytical trends were performed for this reporting period. Contaminant concentrations within this group decline during intervals of system operation and rebound during quiescent non-operational periods.

Plume Front Well Group: Monitoring wells within this group are located outside the boundary of the contaminant plume and groundwater analytical results have reflected long-term "ND" or "low-level NDMA detections <4.9 ng/L" since the inception of sampling. No monitoring wells were classified as

"Fluctuating Low-Level NDMA Detection (>4.9 µg/L)" for this quarter. Multiport monitoring well ST-7-544 at the leading edge of the TCE plume front (T-C plot provided) is characterized as having a "pumping-related migration: no overall trend of one or more primary COCs" for this quarter. Although the latest concentration for TCE is <0.2 µg/L, previous detections of TCE above 5 µg/L require careful evaluation with respect to performance of the PFTS extraction wells.

Sentinel Well Group: Monitoring wells within this group form a more distal tier located outside the groundwater contaminant plume and have all historically shown long-term trends that are "ND" or "low-level NDMA detections <4.9 ng/L" since the inception of sampling. For this reporting period, one monitoring well (WW-5) was classified as "Fluctuating Low-Level NDMA Detection (>4.9 µg/L)" for this quarter with a concentration of 6.26 µg/L (A, and RB Flags).

Other Well Group – Mid-plume Extraction Wells: The T-C plots for the four active MPITS wells are included in Appendix E. There were no significant changes in the extraction well interpretations for this reporting period. The COC concentrations for Freon 11 and TCE in wells MPE-9, MPE-10, and MPE-11 have displayed no overall concentration trend since 2013 under the influence of extraction well pumping. Well MPE-1 historically represents the operational well with the highest COC and NDMA concentration and has shown a short-term decreasing trend since 2021 associated with continued operation of the MPITS.

Other Well Group – Plume Front Extraction Wells: There were no significant changes in the extraction well interpretations for this reporting period. The T-C Plots for the six PFTS wells; PFE-1, PFE-2, PFE-3, PFE-4A, PFE-5, and PFE-7 are included in Appendix E. The high-volume extraction wells typically exhibit long-term declining trends when operational due to pumping-related plume dilution within the alluvial aquifer at the Plume Front. Well PFE-2 has shown pumping-related short-term fluctuations since 2021 and is being carefully monitored for increases in contaminant concentrations.

6.4 Summary of Source Area Investigations

The following subsections summarize the status of each SWMU or HWMU at WSTF and provide specific information on work performed during the third calendar quarter of 2025; July 1 – September 30, 2025. Relevant historical information including investigation status, and full submittal history for each potential source area is provided in Appendix F.

6.4.1 200 Area

NASA continues work associated with the investigation of two HWMUs and SWMUs in the 200 Area. During the third quarter of 2025, NMED continued reviewing the follow-on *200 and 600 Area Vapor Monitoring and Intrusion Assessment (VMIA) Abbreviated Investigation Work Plan (AIWP)* (November 26, 2024; NASA, 2024l).

6.4.2 300 Area

In the third quarter 2025, NMED continued reviewing the *Well Completion Report (WCR) for NASA White Sands Test Facility (WSTF) 300-001-GSV and 400-001-GW Analytical Results* (NASA, 2024g) and the *Well Completion Report (WCR) for NASA White Sands Test Facility (WSTF) 300-002-GSV* (NASA, 2024h).

6.4.3 400 Area

During the third quarter 2025, NMED continued reviewing the *400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – Fourth Quarter 2024*, submitted on May 29, 2025 (NASA, 2025e).

6.4.4 600 Area Perched Groundwater Extraction and Investigations

NASA is currently conducting a perched groundwater extraction pilot test in the 600 Area and related investigations into the presence of additional perched groundwater beneath and adjacent to the 600 Area Closure. During the third quarter of 2025, activities related to this SWMU included:

- NASA extracted approximately 313 gallons of perched groundwater from monitoring well 600-G-138 in accordance with NMED's March 1, 2013 *Approval Time Extension for Implementation of the Perched Groundwater Extraction Pilot Test at the 600 Area* (NMED, 2013). Groundwater elevation measurements indicate there is approximately 2.78 ft of perched groundwater within this well. This perched groundwater thickness has been relatively consistent since the inception of extraction activities in 2013. Extracted groundwater was containerized for treatment at the MPITS and discharged in accordance with DP-1255. NASA suspended groundwater extraction in mid-July 2025 because of funding limitations.
- NMED is reviewing the *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report – Project Year 12* (NASA, 2025a).
- NMED is reviewing the *NASA White Sands Test Facility (WSTF) 600 Area Perched Groundwater Phase IIa Status Report* on June 30, 2025 (NASA, 2025e).
- NMED is reviewing the *Proposal to Transition NASA White Sands Test Facility (WSTF) 600 Area Perched Groundwater Extraction Pilot Test (PGEPT) Annual Reporting into Projected Targeted Mobile Remediation Process (TMRP) Annual Reporting Following Submittal of the PGEPT – Project Year 12 Report* (NMED, 2025).

6.4.5 SWMUs 2, 8, and 34 and Area of Concern (AOC) 51 (Wastewater Lagoons)

NASA completed investigation reporting work required to support closure of the WSTF Wastewater Lagoons in the 100, 200, and 600 Areas and at the Second Tracking and Data Relay Satellite (TDRS) Ground Terminal (STGT). Activities during the third quarter of 2025 are summarized below. More detailed information is provided in Appendix F.

- NMED is reviewing the *Response to Disapproval of NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report* (April 30, 2024; NASA, 2024c), the *Response to Disapproval of the NASA WSTF 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report* (August 29, 2024; NASA, 2024f), and the *Response to Second Disapproval of the NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report* (March 28, 2025; NASA 2025b).

6.4.6 SWMU 10 (200 Area Hazardous Waste Transmission Lines)

There was no significant activity associated with SWMU 10 in the third quarter of 2025. Complete information on the SWMU is provided in Appendix F.

6.4.7 SWMU 16 (600 Area Bureau of Land Management [BLM] Off-Site Pile)

During the third quarter of 2025, NMED continued reviewing the *NASA WSTF 600 Area Bureau of Land Management Off-Site Pile (SWMU 16) Remedy Completion Report and Risk Screen Evaluation* (November 19, 2024; NASA, 2024i).

6.4.8 SWMUs 21–27 (Septic Tanks)

NASA previously determined that these units are suitable for corrective action complete status and submitted the *Documentation of Public Meeting supporting Petition For Class 3 Permit Modification of the White Sands Test Facility RCRA Permit* on November 21, 2024 (NASA, 2024j). During the third quarter of 2025, NMED continued reviewing the permit modification request.

6.4.9 SWMUs 29 (STGT Small Arms Firing Ranges)

There was no significant activity associated with SWMU 29 in the third quarter of 2025. Complete information on the SWMU is provided in Appendix F.

6.4.10 SWMU 33 (300 Area Test Stand 302 Cooling Water Pond)

NMED is reviewing the *Request for Extension of Time for Submittal of 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Report* (NASA, 2025b). Complete information on the SWMU is provided in Appendix F.

6.4.11 SWMU 47 (500 Fuel Storage Area)

There was no significant activity associated with SWMU 47 in the third quarter of 2025. Complete information on the SWMU is provided in Appendix F.

6.4.12 SWMU 49 (700 Area Landfill)

NMED is reviewing the *Request for Extension of Time for Submittal of 700 Area Landfill (SMWU 49) Phase II Investigation Report* (NASA, 2025c). Complete information on the SWMU is provided in Appendix F.

6.4.13 SWMU 50 (First TDRS Diesel Release)

There was no significant activity associated with SWMU 50 in the third quarter of 2025. Complete information on the SWMU is provided in Appendix F.

6.4.14 SWMU 52 (Second TDRS Underground Storage Tank)

No additional activity is planned at this SWMU for the foreseeable future following NMED's approval with a modification on August 8, 2022 (NMED, 2022).

6.4.15 SWMU 54 (500 Area Former Oxidizer Burner)

During the third quarter of 2025, NMED continued reviewing the *500 Area Former Oxidizer Burning (SWMU 52) Investigation Report* (NASA, 2024e).

6.4.16 Dye Tracer Test Investigation, NMED continued reviewing the *Request to Indefinitely Defer Submittal of Completion Report for Monitoring Wells 200-001-GW, 200-002-GW, and 400-002-GW* on April 29, 2025 (NASA, 2025d).

6.4.17 Per- and polyfluoroalkyl Substances

Based on the results of PFAS Preliminary Assessment (PA) performed by a NASA Headquarters contractor, NASA performed additional investigation fieldwork, including the installation and sampling of two conventional groundwater monitoring wells (NASA, 2024a). In response to the final PA, NMED (NASA, 2024k), NMED provided 16 comments regarding additional PFAS investigation requirements. NASA addressed NMED's comments by developing and submitting the *NASA WSTF Per- and Polyfluoroalkyl Substances Investigation Work Plan* to NMED on July 29, 2025 (NASA, 2025f). NMED worked to review the work plan in the third quarter of 2025. While the work plan is being reviewed, NASA initiated aqueous sampling for PFAS constituents as specified in the plan. NASA performed PFAS sampling of wastewater at the Test Stand 302 cooling water pond and 400 Area salt ponds, groundwater remediation system influent and effluent, groundwater from two operational potable water supply wells, and 38 groundwater monitoring wells.

7.0 Planned Activities

This section discusses NASA's planned activities related to groundwater monitoring at WSTF.

7.1 Groundwater Monitoring and Related Projects

7.1.1 Monitoring Well Performance or Sampling Equipment Issues

There were well performance issues at groundwater monitoring well WW-4-419 in the previous data reporting period (February 1 through April 30, 2025) and wells ST-1-473, WB-4-330, and 600A-003-GW in the current reporting period (May 1 through July 31, 2025). This issue and the backlog of prior unresolved issues are presented in Table 6.1. The section also presents issues that have been resolved.

7.1.2 Westbay Well Reconfiguration.

NASA plans to replace former Westbay monitoring well BLM-30 with well BLM-43 (NASA, 2021, p1) at a future date. Additional Westbay wells are also scheduled for reconfiguration pending NMED approval of associated work plans. Additional information is provided in Appendix F.

7.1.3 Monitoring Well Installation

NASA plans to work with NMED to develop an appropriate schedule for Westbay well reconfiguration. Additional information is provided in Appendix F.

7.2 Groundwater Remediation System Monitoring

The RSMP (NASA, 2024d) and DP-1255 (NMED, 2023b) include provisions for monitoring the effectiveness of the PFTS and MPITS. Sampling at designated locations, including extraction wells and remediation system sampling points, will continue as required during remediation system operational periods in accordance with the RSMP and/or DP-1255. Monitoring well sampling to assess remediation system effectiveness will continue in accordance with the GMP (NASA, 2024b).

8.0 References

Environmental Protection Agency (EPA). (2018, September). *Groundwater Statistics Tool User's Guide.* Section 1.2, Page 3. Washington, DC.

NASA Johnson Space Center White Sands Test Facility. (2021, September 28). *Request for Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024a, March 29). *NASA White Sands Test Facility (WSTF) Well Completion Report for PFAS Site Investigation Well Completion Summary.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024b, April 29). *NASA WSTF Groundwater Monitoring Plan Update for 2024*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024c, April 30). *Response to Disapproval of the NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024d, July 23*). NASA WSTF Remediation System Monitoring Plan Annual Update for 2024.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024e, July 25*). NASA White Sands Test Facility (WSTF) 500 Area Former Oxidizer Burner (SWMU 54) Investigation Report (IR).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024f, August 29). *Response to Disapproval of the NASA WSTF 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024g, October 3). *Well Completion Report (WCR) for NASA White Sands Test Facility (WSTF) 300-001-GSV and 400-001-GW Analytical Results*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024h, October 3). *Well Completion Report (WCR) for NASA White Sands Test Facility (WSTF) 300-002-GSV*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024i, November 19). *NASA WSTF 600 Area Bureau of Land Management Off-Site Pile (SWMU 16) Remedy Completion Report and Risk Screen Evaluation*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024j, November 21). *Documentation of Public Meeting supporting Petition For Class 3 Permit Modification of the White Sands Test Facility RCRA Permit*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024k, November 25). *Response to Approval with Modifications NASA WSTF Periodic Monitoring Report – Fourth Quarter 2023*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024l, November 26). *200 and 600 Area Vapor Monitoring and Intrusion Assessment (VMIA) Abbreviated Investigation Work Plan (AIWP)*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025a, April 28). *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report – Project Year 12.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025b, April 29). *Request for Extension of Time for Submittal of 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025c, April 29). *Request for Extension of Time for Submittal of 700 Area Landfill (SMWU 49) Phase II Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025d, April 29). *Request to Indefinitely Defer Submittal of Completion Report for Monitoring Wells 200-001-GW, 200-002-GW, and 400-002-GW.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025e, May 29). *NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – Fourth Quarter 2024.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025f, July 29). *Per- and Polyfluoroalkyl Substances Investigation Work Plan.* Las Cruces, NM.

NMED Hazardous Waste Bureau. (2013, March 1). *Approval Time Extension for Implementation of the Perched Groundwater Extraction Pilot Test at the 600 Area*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022, August 8). *Approval with Modification Second TDRSS Underground Storage Tank (SWMU 52) Release Assessment Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023a, March 28). *RCRA Permit EPA ID # NM8800019434*. Santa Fe, NM.

NMED Ground Water Quality Bureau. (2023b, May 17). *Discharge Permit Renewal and Invoice, DP-1255, NASA White Sands Test Facility, Plume Front Treatment System (PFTS) and Mid-plume Interception and Treatment System (MPITS)*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023c, November 27). *Approval Drilling Work Plan for Proposed NASA WSTF Well 600C-004-GW*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023d, November 27). *Approval with Modifications Work Plan for Abandonment of NASA WSTF Well BLM-1-435 and Replacement with Monitoring Well 600C-003-GW*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024, December 30). *Approval with Modifications NASA WSTF Periodic Monitoring Report for First Quarter 2024*. Santa Fe, NM.

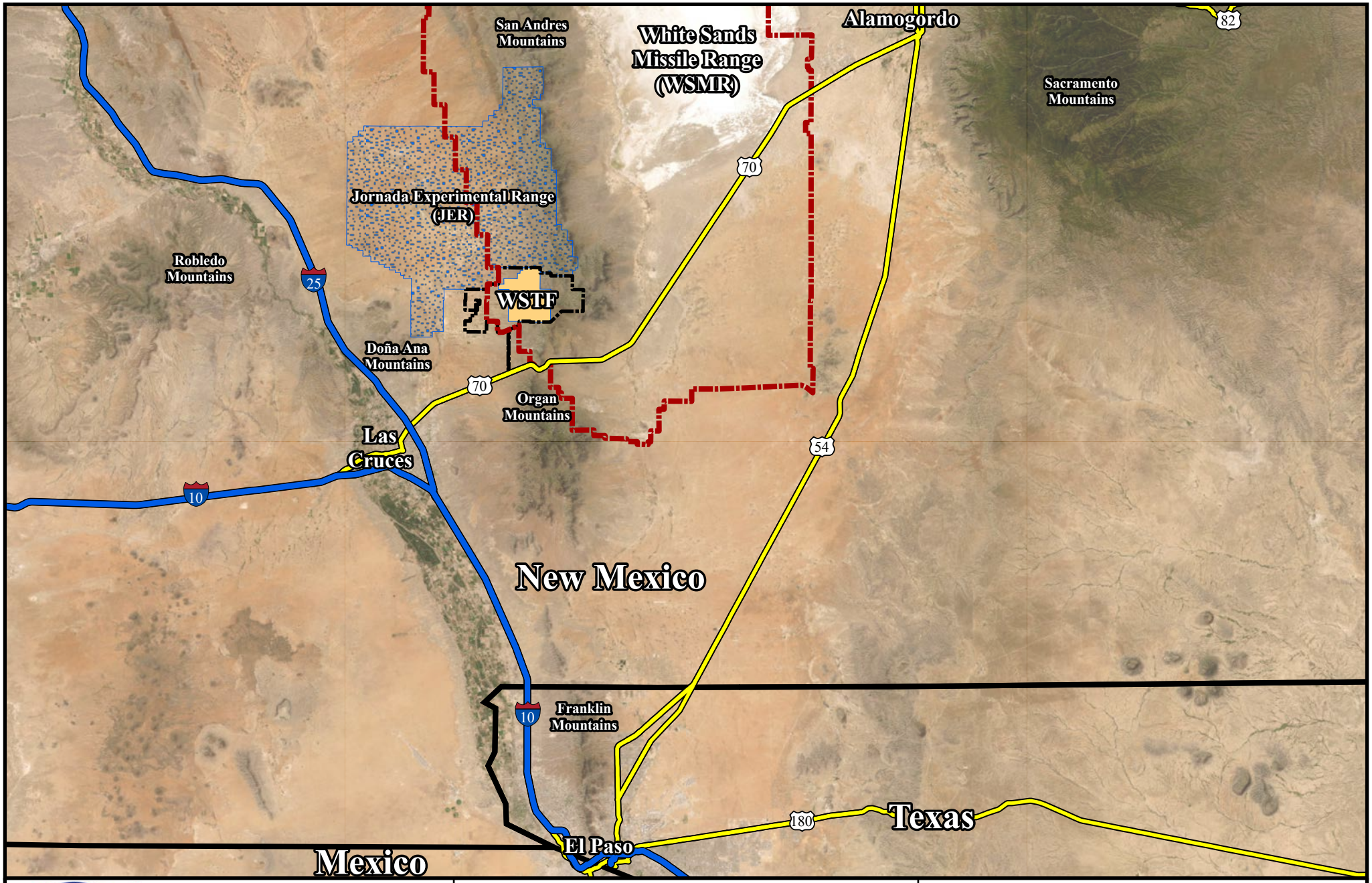
NMED Hazardous Waste Bureau. (2025, February 19) *Proposal to Transition NASA White Sands Test Facility (WSTF) 600 Area Perched Groundwater Extraction Pilot Test (PGEPT) Annual*

Reporting into Projected Targeted Mobile Remediation Process (TMRP) Annual Reporting Following Submittal of the PGEPT – Project Year 12 Report. Sante Fe, NM.

Figures

Figure 1.1 **WSTF Location Map**

(SEE NEXT PAGE)



N
W E
S

1:750,000

July 2025

Miles
0 6 12 24

- WSMR Boundary
- WSTF Boundary
- Jornada Experimental Range (JER)
- WSTF Industrial Area

WSTF Location Map

NASA Johnson Space Center
White Sands Test Facility
Las Cruces, New Mexico

Coordinate System:
NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet

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Figure 1.2 **WSTF Well Location Map**

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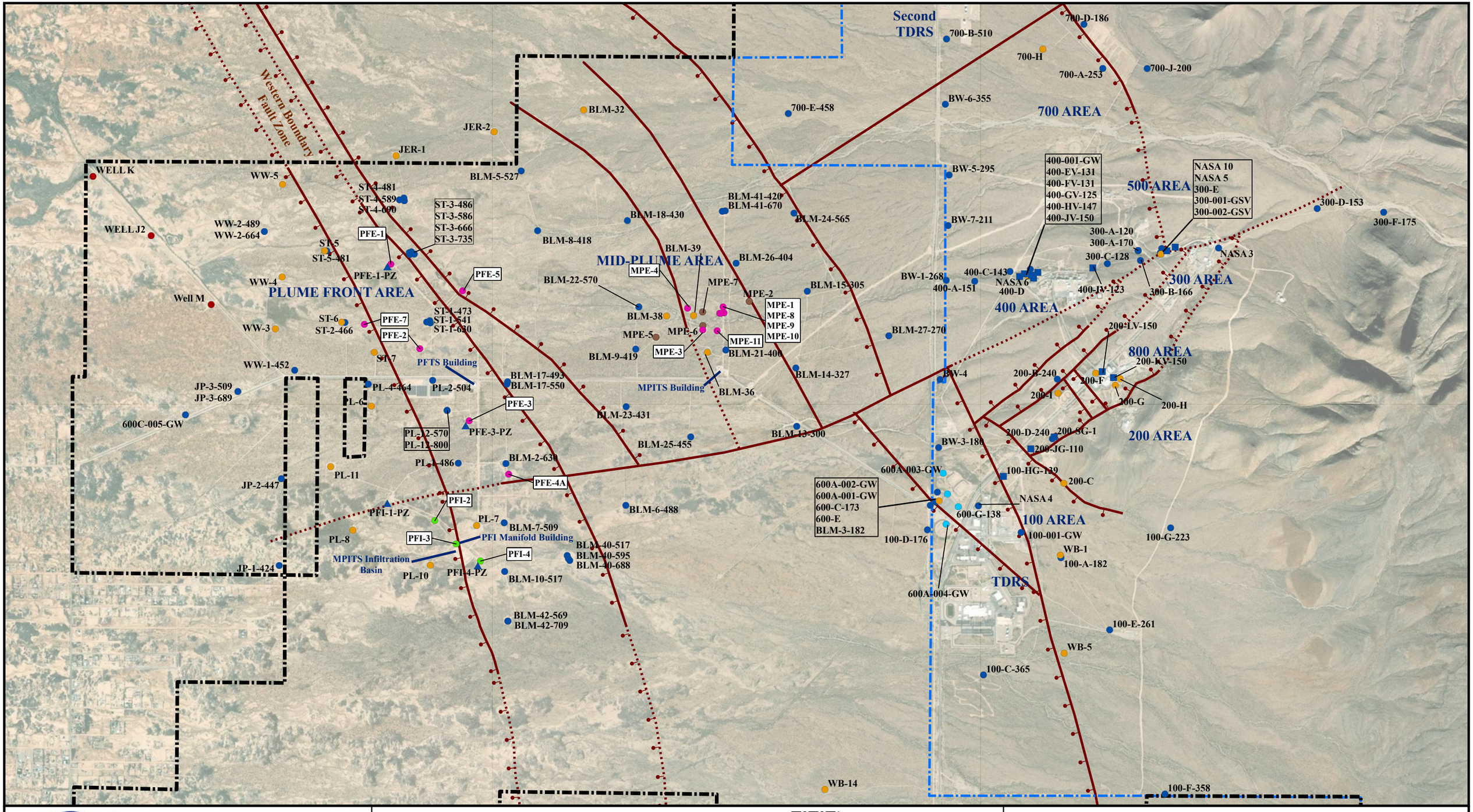

1:26,000

0 1,250 2,500 5,000 Feet

0 0.25 0.5 1 Miles

December 2025

Conventional Well
Exploration Well
Extraction Well
Injection Well
Multiport
Piezometer
Perched Well
Production Well
MSVGM Well

WSTF Boundary
WSTFIndustrialArea
N_PlumeFront
Fault

WSTF Well Location Map

NASA Johnson Space Center
White Sands Test Facility Las Cruces, New Mexico

Coordinate System:
NAD 1983 HARN StatePlane New Mexico Central FIPS 3002 Feet

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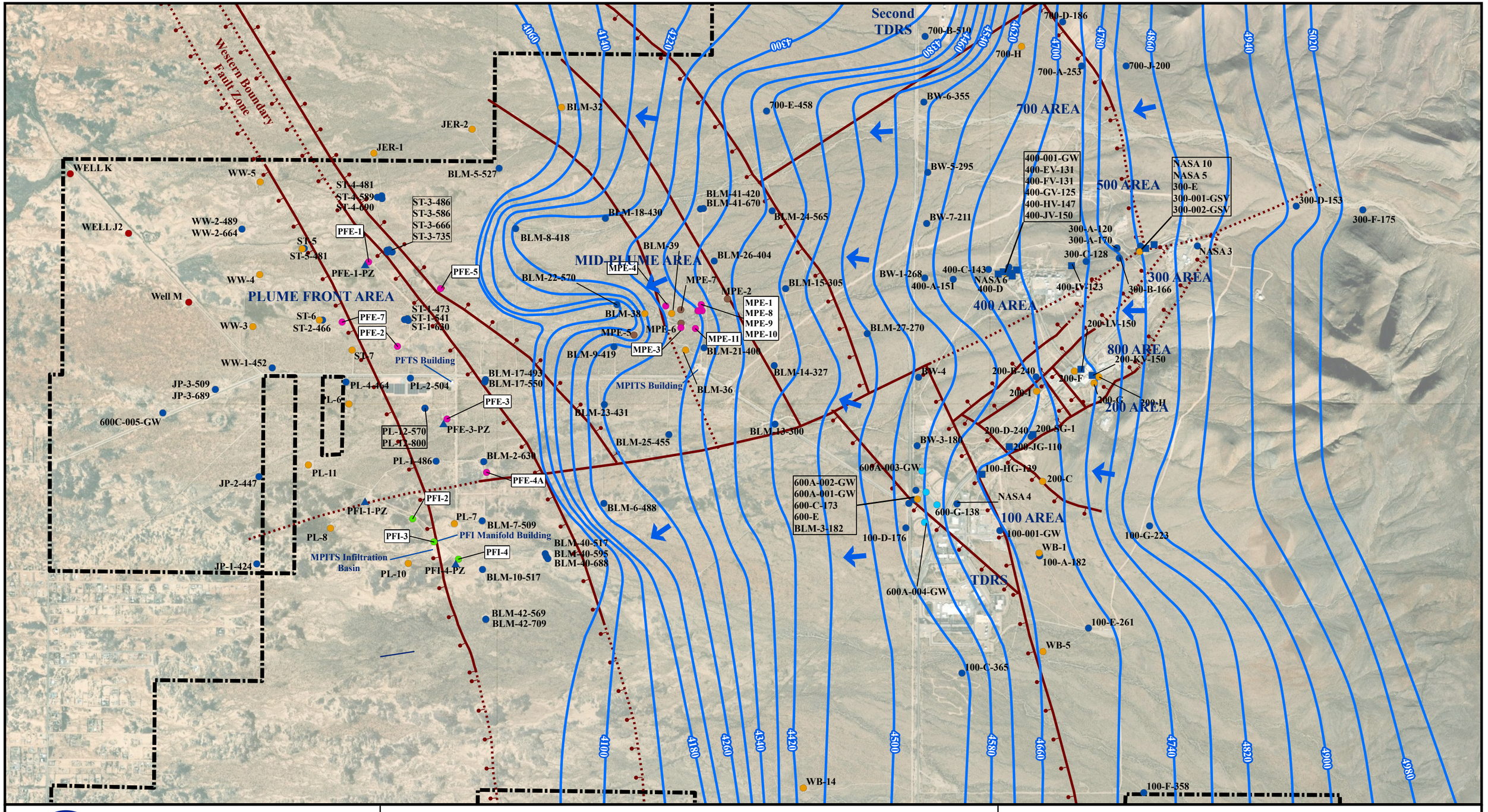
Figure 4.1 Groundwater Elevations and Generalized Flow Directions for the Reporting Period

(SEE NEXT PAGE)



Site-Wide Groundwater Elevations for Third Quarter 2025

NASA Johnson Space Center
White Sands Test Facility Las Cruces, New Mexico

Coordinate System:
NAD 1983 HARN StatePlane New Mexico Central FIPS 3002 Feet

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Figure 4.2 Site-Wide N-Nitrosodimethylamine (NDMA) Concentrations for the Reporting Period

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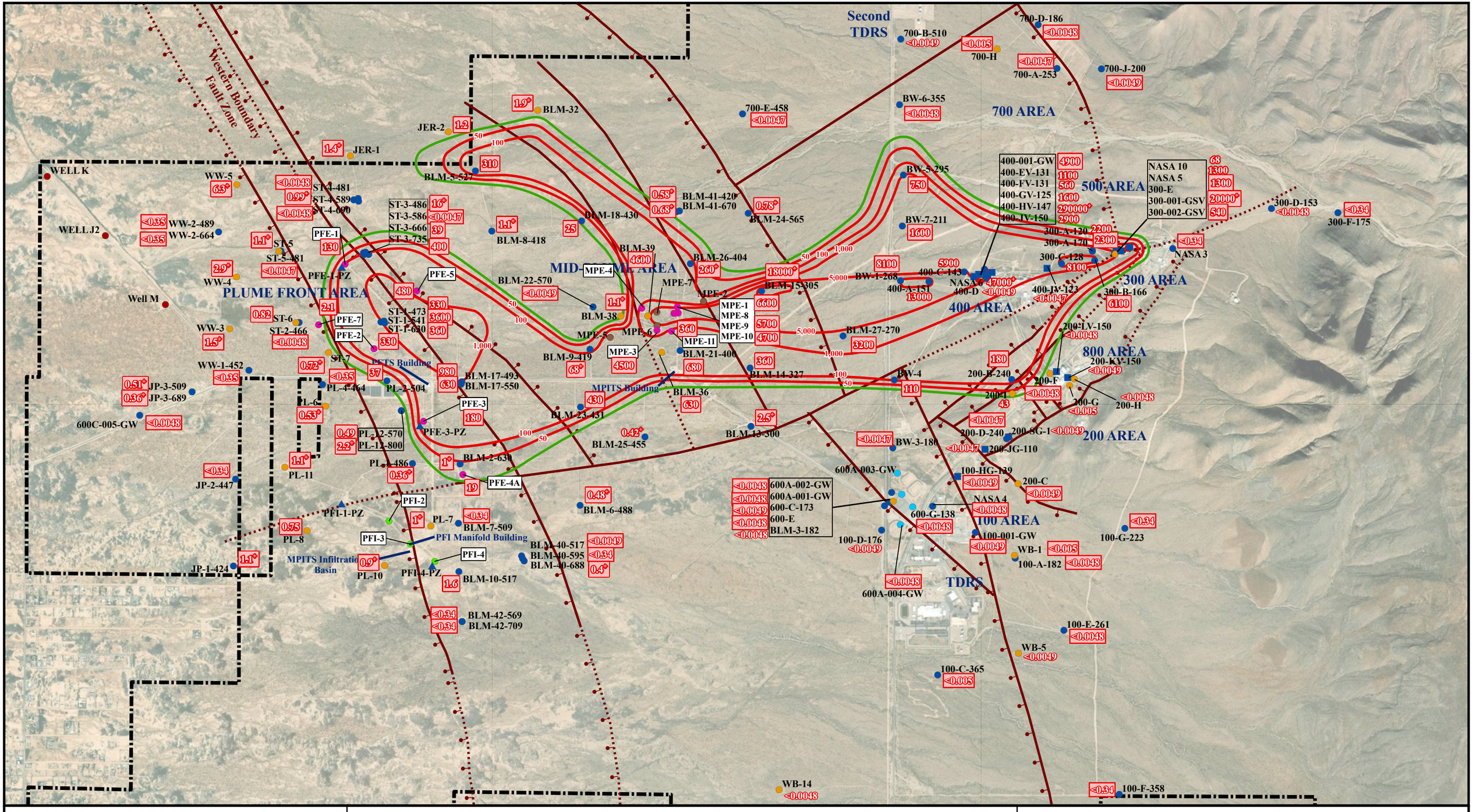

Note:
Method 607 NDMA results corrected for extraction efficiency.
+ - Data value has a QA flag. See Appendix A.2 for specific flags.
50 - Sample event result was within the quarterly date range. No outline indicates an earlier sample event.
- Non-detect values displayed "<Detection Limit" in ng/L.
- No value indicates the well has not been sampled in the last year.

NDMA Maximum Concentrations in Groundwater for Third Quarter 2025

NASA Johnson Space Center
White Sands Test Facility Las Cruces, New Mexico

Coordinate System:
NAD 1983 HARN StatePlane New Mexico Central FIPS 3002 Feet

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Figure 4.3 Site-Wide Trichloroethene (TCE) Concentrations for the Reporting Period

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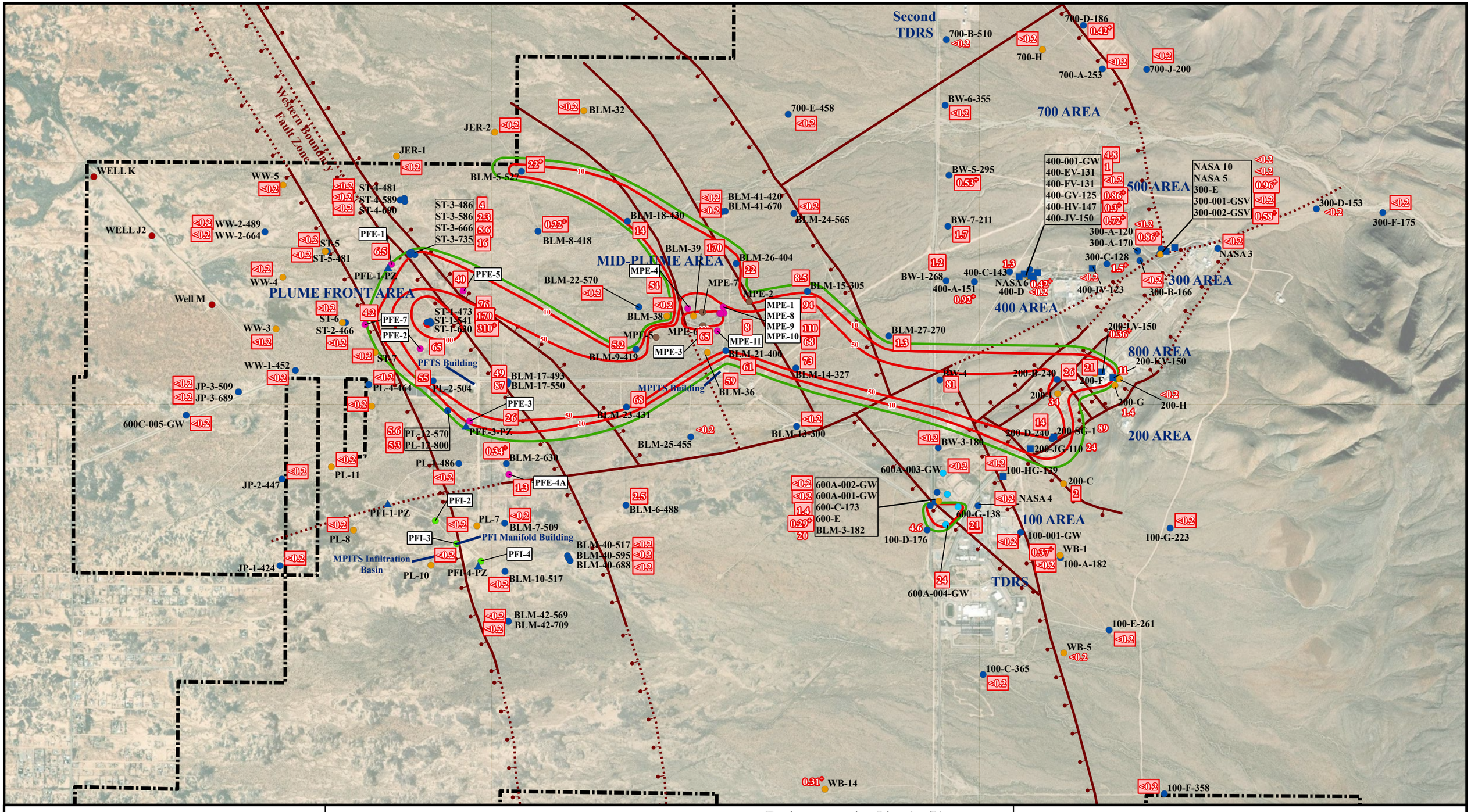

Note:
+ - Data value has a QA flag. See Appendix A.2 for specific flags.
50 - Sample event result was within the quarterly date range. No outline indicates an earlier sample event.
- Non-detect values displayed "<Detection Limit" in µg/L.
- No value indicates the well has not been sampled in the last year.

TCE Maximum Concentrations in Groundwater for Third Quarter 2025

NASA Johnson Space Center
White Sands Test Facility Las Cruces, New Mexico

Coordinate System:
NAD 1983 HARN StatePlane New Mexico Central FIPS 3002 Feet

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Figure 6.1 Plume Front Groundwater Elevations for the Reporting Period

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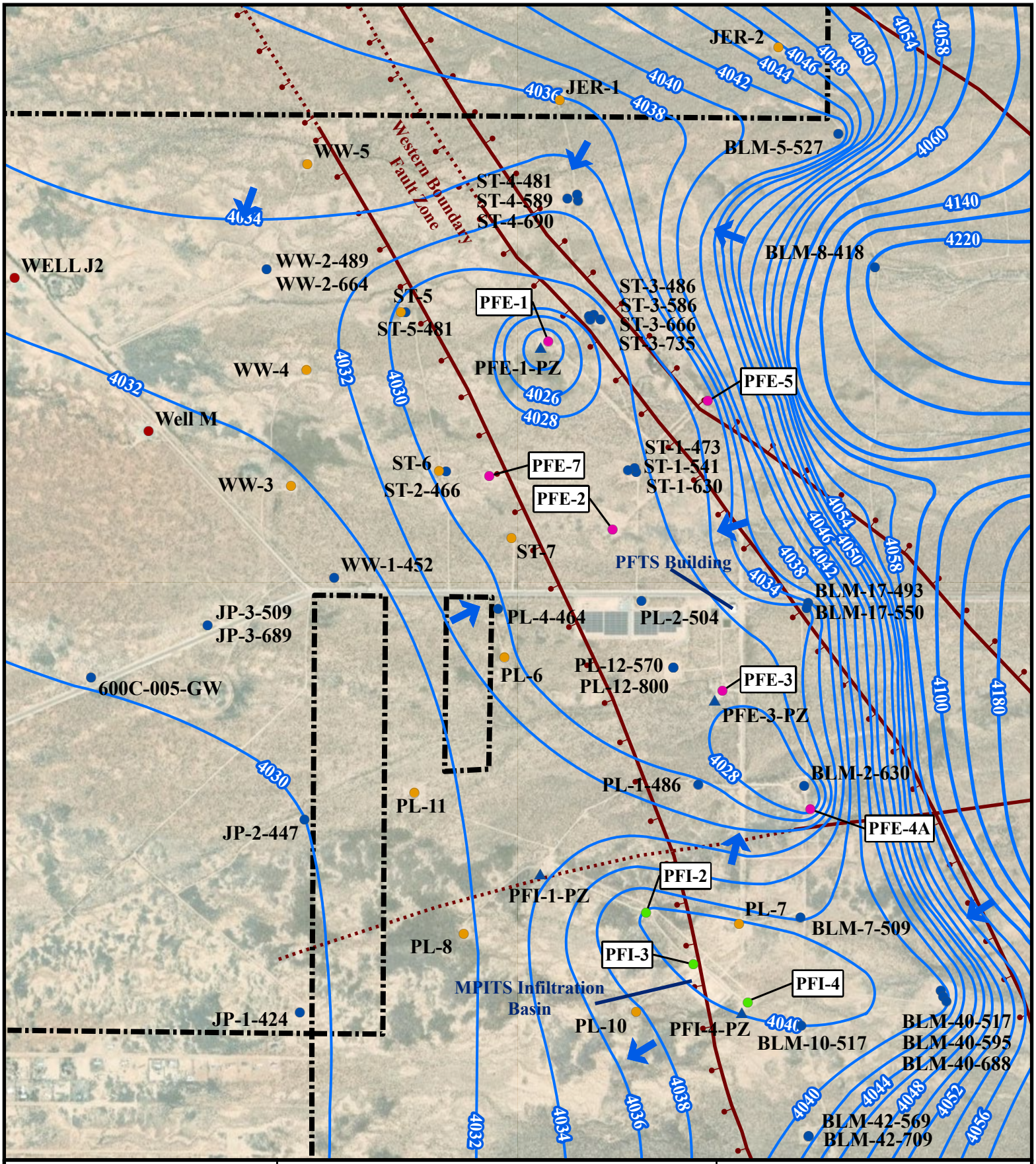

Plume Front Groundwater Elevations for Third Quarter 2025

NASA Johnson Space Center
White Sands Test Facility Las Cruces, New Mexico

Coordinate System:
NAD 1983 HARN StatePlane New Mexico Central FIPS 3002 Feet

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Figure 6.2 Mid-plume Groundwater Elevations for the Reporting Period

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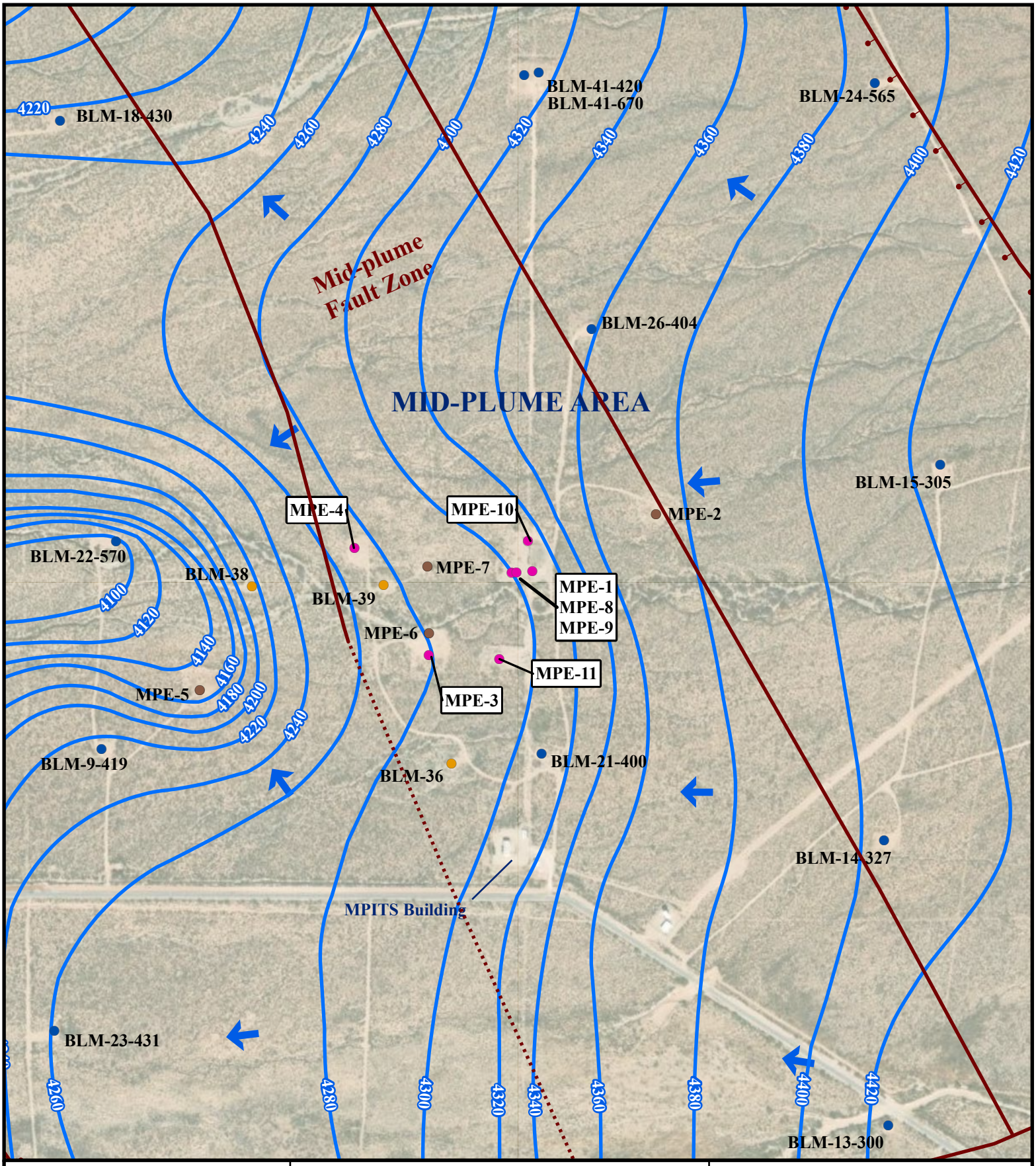

N
W E
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December 2025

1:7,650
Feet
0 315 630

- Conventional Well
- Exploration Well
- Extraction Well
- Multiport
- Fault
- Groundwater Elevation 20 feet Contour
- Groundwater Flow Direction

Mid-Plume Groundwater Elevations for Third Quarter 2025

NASA Johnson Space Center
White Sands Test Facility Las Cruces, New Mexico

Coordinate System:
NAD 1983 HARN StatePlane New Mexico Central FIPS 3002 Feet

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Figure 6.3 NDMA Concentrations at the Plume Front for the Reporting Period

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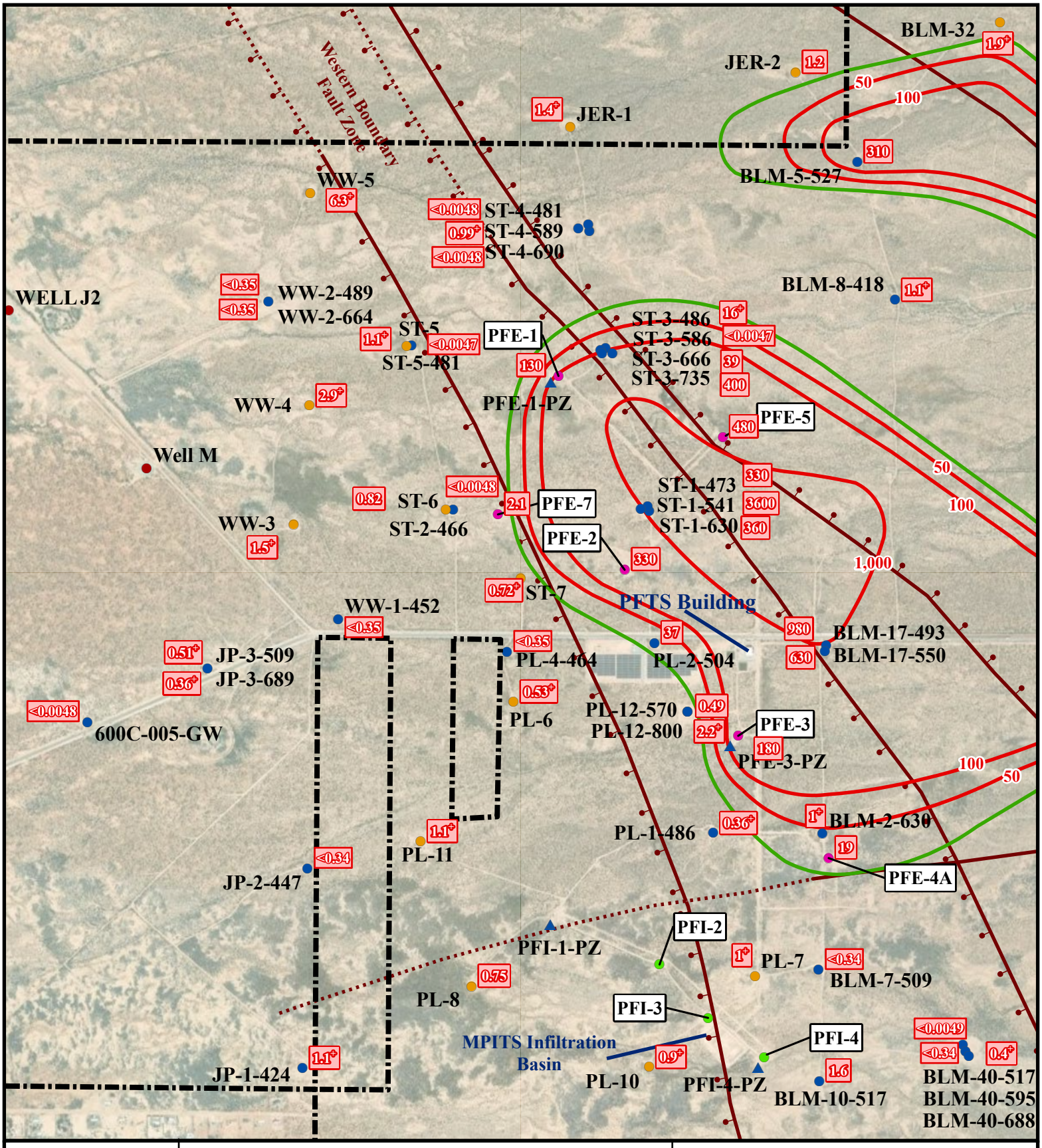

Note:
Method 607 NDMA results corrected for extraction efficiency.
+ - Data value has a QA flag. See Appendix A.2 for specific flags.
50 - Sample event result was within the quarterly date range. No outline indicates an earlier sample event.
- Non-detect values displayed "<Detection Limit" in ng/L.
- No value indicates the well has not been sampled in the last year.

Plume Front NDMA Maximum Concentrations in Groundwater for Third Quarter 2025

NASA Johnson Space Center
White Sands Test Facility Las Cruces, New Mexico

Coordinate System:
NAD 1983 HARN StatePlane New Mexico Central FIPS 3002 Feet

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Figure 6.4 TCE Concentrations at the Plume Front for the Reporting Period

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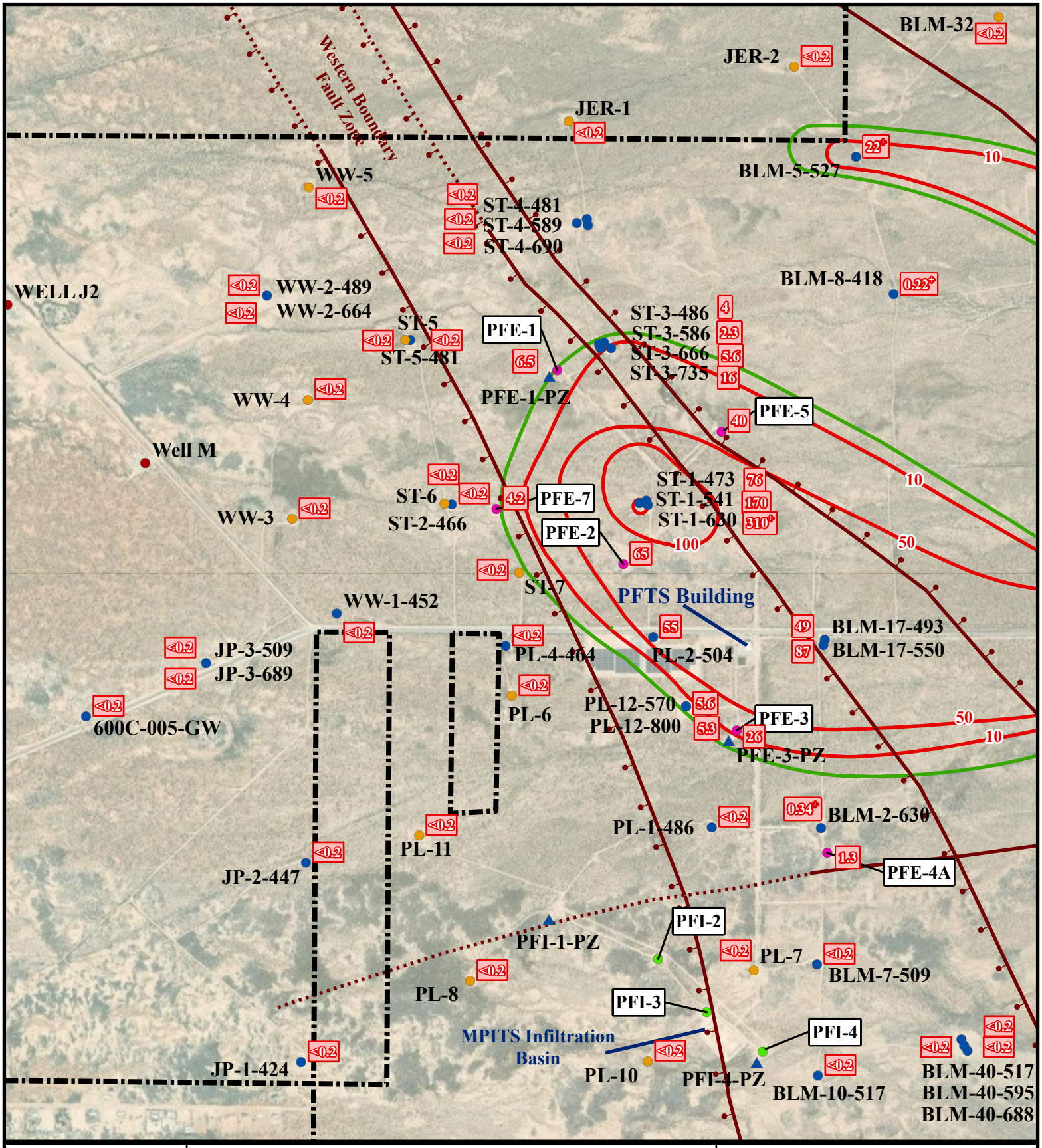

N
W E
S

December 2025

0 350 700 1,400 Feet

- Conventional Well
- Extraction Well
- Injection Well
- Multiport
- Piezometer
- Production Well
- 10 Equiconcentration Line (ug/L)
- TCE Cleanup Level (5.0 ug/L)
- Fault
- WSTF Boundary

Note:
+ - Data value has a QA flag. See Appendix A.2 for specific flags.
50 - Sample event result was within the quarterly date range. No outline indicates an earlier sample event.
- Non-detect values displayed "<Detection Limit" in µg/L.
- No value indicates the well has not been sampled in the last year.

Plume Front TCE Maximum Concentrations in Groundwater for Third Quarter 2025

NASA Johnson Space Center
White Sands Test Facility Las Cruces, New Mexico

Coordinate System:
NAD 1983 HARN StatePlane New Mexico Central FIPS 3002 Feet

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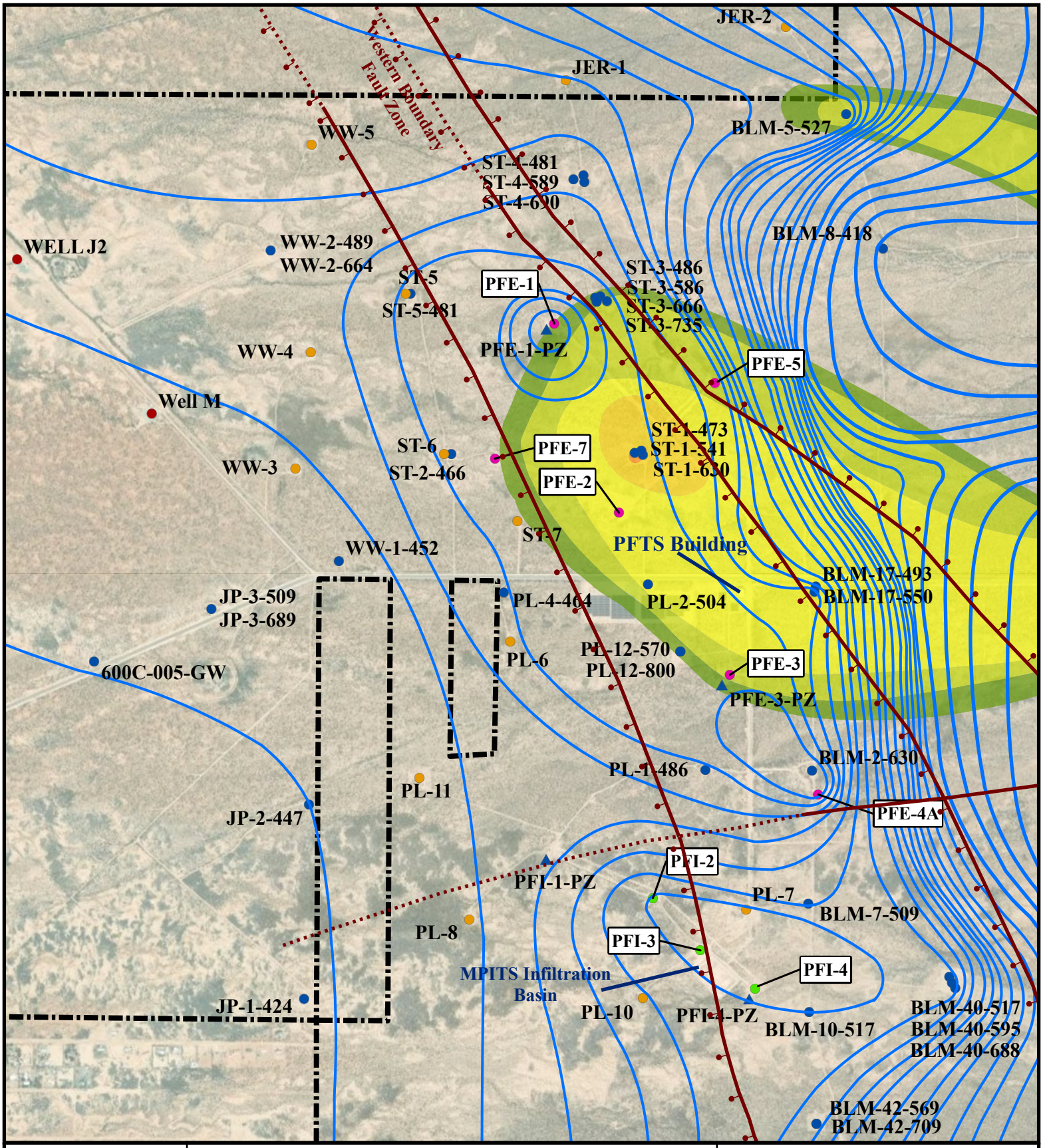
Figure 6.5 TCE Concentrations at the Plume Front for the Reporting Period

(SEE NEXT PAGE)



Plume Front Groundwater Elevations and TCE Concentration for Third Quarter 2025

NASA Johnson Space Center
White Sands Test Facility Las Cruces, New Mexico

Coordinate System:
NAD 1983 HARN StatePlane New Mexico Central FIPS 3002 Feet

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Tables

Table 3.1 DP-1255 Discharge Standards and Groundwater Cleanup Levels for WSTF COCs

Contaminant	Chemical Abstract Number	DP-1255 Standard (µg/L)	Cleanup Level (µg/L)
Carcinogens			
NDMA	62-75-9	0.0042	0.00491[1]
TCE	79-01-6	5.0	5.0[2]
PCE	127-18-4	1.1	5.0[2]
Chloroform	67-66-3	1.9	100[2]

Notes:

[1] Cleanup Level based on most recent version of the NMED Risk Assessment Guidance for Site Investigations and Remediation (RAG), Appendix A, Tap Water (Cancer).

[2] Cleanup Level established by WQCC – New Mexico Water Quality Control Commission Numerical Standard (from 20.6.2.3103 NMAC).

Table 3.2 Accepted New Detections for This Reporting Period

Well ID	CAS Number	Analyte
PL-8-455	123-91-1	1,4-Dioxane
ST-3-735	7439-98-7	Molybdenum, Total

Table 3.3 Unconfirmed New Detections – Resolution Pending

Well ID	CAS Number	Analyte	Scheduled Resample Date
ST-5-985	7440-02-0	Nickel, Total	8/2/2025
BLM-32-571	7440-38-2	Arsenic, Total	8/5/2025
BLM-32-571	7440-02-0	Nickel, Total	8/5/2025
ST-5-815	7440-02-0	Nickel, Total	8/6/2025
ST-5-1175	7440-02-0	Nickel, Total	8/7/2025
400-D-355	14797-73-0	Perchlorate	8/11/2025
ST-4-589	7440-02-0	Nickel, Total	8/16/2025
BLM-9-419	7440-02-0	Nickel, Total	9/4/2025
PL-11-470	7440-02-0	Nickel, Total	9/9/2025
PL-11-530	7440-02-0	Nickel, Total	9/9/2025
PL-11-710	7440-02-0	Nickel, Total	9/10/2025
PL-11-820	7440-02-0	Nickel, Total	9/10/2025
PL-11-980	7439-96-5	Manganese, Total	9/11/2025
PL-11-980	7440-02-0	Nickel, Total	9/11/2025
200-SG-1	57-12-5	Cyanide, Total	9/16/2025
ST-6-970	7440-50-8	Copper, Total	9/17/2025
ST-6-970	7440-02-0	Nickel, Total	9/17/2025
BLM-42-569	7440-02-0	Nickel, Total	9/18/2025
BLM-42-709	7440-02-0	Nickel, Total	9/18/2025
BLM-5-527	7440-02-0	Nickel, Total	9/23/2025
400-IV-123	7440-47-3	Chromium, Total	10/9/2025
400-IV-123	7440-47-3	Chromium, Total	10/9/2025
BLM-41-670	7440-02-0	Nickel, Total	10/9/2025
400-HV-147	7440-02-0	Nickel, Total	10/14/2025
ST-7-779	7440-02-0	Nickel, Total	10/16/2025
WW-5-459	7440-02-0	Nickel, Total	10/16/2025
WW-5-579	7440-02-0	Nickel, Total	10/16/2025
WW-5-579	7782-49-2	Selenium, Total	10/16/2025
WW-5-809	7440-02-0	Nickel, Total	10/17/2025
WW-5-909	7440-02-0	Nickel, Total	10/17/2025
JER-1-483	7440-02-0	Nickel, Total	10/21/2025
JER-1-563	7440-02-0	Nickel, Total	10/21/2025
JER-1-683	7440-02-0	Nickel, Total	10/21/2025
JER-2-584	7440-02-0	Nickel, Total	10/22/2025
JER-2-684	7440-02-0	Nickel, Total	10/22/2025
BLM-17-493	7440-66-6	Zinc, Total	11/7/2025
200-I-795	62-75-9	N-Nitrosodimethylamine	11/14/2025
200-I-795	9/7/7440	Potassium, Total	11/14/2025
ST-1-541	7440-02-0	Nickel, Total	11/14/2025

Well ID	CAS Number	Analyte	Scheduled Resample Date
ST-1-541	9/7/7440	Potassium, Total	11/14/2025
100-D-176	9/7/7440	Potassium, Total	11/15/2025
200-I-490	9/7/7440	Potassium, Total	11/15/2025
200-I-675	9/7/7440	Potassium, Total	11/15/2025
200-G-220	314-40-9	Bromacil	12/3/2025
200-G-220	75-69-4	Trichlorofluoromethane (CFC 11)	12/3/2025
BLM-6-488	84-74-2	Di-n-butyl Phthalate	1/2/2026
BLM-18-430	7440-02-0	Nickel, Total	1/17/2026
PL-6-1335	7440-02-0	Nickel, Total	1/27/2026
PL-6-915	7440-02-0	Nickel, Total	1/28/2026
100-E-261	14797-73-0	Perchlorate	6/17/2026
BLM-24-565	7440-02-0	Nickel, Total	5/9/2026
BLM-36-610	7440-02-0	Nickel, Total	5/5/2026
PL-7-560	7440-02-0	Nickel, Total	5/12/2026
ST-4-690	7440-02-0	Nickel, Total	6/9/2026
WW-4-419	7440-02-0	Nickel, Total	5/12/2026
WW-4-589	7440-02-0	Nickel, Total	5/12/2026
WW-4-948	7440-02-0	Nickel, Total	5/13/2026
JP-3-509	62-75-9	N-Nitrosodimethylamine	1/7/2026
PL-8-455	123-91-1	1,4-Dioxane	12/11/2025
ST-3-735	7439-98-7	Molybdenum, Total	6/4/2026

Table 3.4 Unconfirmed Detections Resolved This Reporting Period

Well ID	CAS Number	Analyte	Scheduled Resample Date	Resolution
BLM-8-418	62-75-9	N-Nitrosodimethylamine	5/14/2025	Unconfirmed
600-C-173	16984-48-8	Fluoride, undistilled	5/9/2025	Confirmed
WB-1-255	7440-38-2	Arsenic, Total	5/15/2025	Confirmed
700-E-458	314-40-9	Bromacil	7/15/2025	Confirmed

Table 4.1 Groundwater Monitoring Wells/Zones Analyzed for the Reporting Period

Well Name	Event Date	Well Group
100-001-GW	07/16/25	100/600
100-E-261	06/17/25	S. Boundary
100-F-358	07/10/25	Upgradient
100-G-223	07/10/25	Upgradient
300-001-GSV	06/11/25	300 Area
300-002-GSV	06/12/25	300 Area
300-F-175	07/14/25	Upgradient
400-001-GW	05/22/25	400 Area
600A-001-GW-1	06/10/25	100/600
600A-002-GW-1	06/10/25	100/600
600A-004-GW	07/15/25	100/600
600C-005-GW	07/16/25	Plume Front
600-C-173	05/20/25	100/600
600-G-138	05/07/25	100/600
600-G-138	07/15/25	100/600
700-E-458	07/15/25	N. Boundary
BLM-10-517	07/10/25	Plume Front
BLM-15-305	07/14/25	Midplume
BLM-17-493	05/05/25	In Plume
BLM-17-550	07/14/25	In Plume
BLM-18-430	07/14/25	Midplume
BLM-22-570	05/19/25	Midplume
BLM-24-565	05/09/25	N. Boundary
BLM-2-630	05/15/25	In Plume
BLM-26-404	05/07/25	Midplume
BLM-27-270	06/16/25	Midplume
BLM-32-543	05/08/25	N. Boundary
BLM-32-571	05/08/25	N. Boundary
BLM-32-632	05/08/25	N. Boundary
BLM-36-350	05/07/25	Midplume
BLM-36-610	05/05/25	Midplume
BLM-36-800	05/06/25	Midplume
BLM-36-860	05/05/25	Midplume
BLM-38-480	05/14/25	Midplume
BLM-38-620	05/13/25	Midplume
BLM-42-569	06/12/25	Sentinel
BLM-42-709	06/12/25	Sentinel
BLM-6-488	07/03/25	S. Boundary
BLM-7-509	06/17/25	Plume Front
BLM-8-418	05/14/25	Midplume
BW-4-330	06/04/25	200
BW-5-295	05/19/25	300/400
BW-7-211	06/16/25	300/400
JER-1-483	07/02/25	N. Boundary
JER-1-563	07/02/25	N. Boundary
JER-1-683	07/02/25	N. Boundary
JER-2-504	07/03/25	N. Boundary
JER-2-584	07/03/25	N. Boundary
JER-2-684	07/03/25	N. Boundary
JP-1-424	07/09/25	Sentinel
JP-2-447	07/09/25	Sentinel
JP-3-509	07/07/25	Sentinel
JP-3-689	07/07/25	Sentinel
NASA 4	05/19/25	100/600
PL-10-484	07/02/25	Sentinel
PL-10-592	07/02/25	Sentinel
PL-11-470	06/02/25	Sentinel
PL-11-530	06/03/25	Sentinel
PL-11-710	06/03/25	Sentinel
PL-11-820	06/04/25	Sentinel
PL-11-980	06/04/25	Sentinel
PL-12-570	05/20/25	In Plume
PL-12-800	05/20/25	In Plume
PL-1-486	07/10/25	In Plume
PL-2-504	06/17/25	In Plume
PL-4-464	06/02/25	Plume Front
PL-6-545	07/01/25	Plume Front
PL-6-725	07/01/25	Plume Front
PL-7-560	05/12/25	Plume Front
PL-8-455	06/09/25	Sentinel
PL-8-605	06/06/25	Sentinel
PL-8-780	06/09/25	Sentinel
PL-8-965	06/06/25	Sentinel
ST-1-473	06/02/25	In Plume
ST-1-541	05/21/25	In Plume
ST-1-630	05/15/25	In Plume
ST-3-486	06/10/25	In Plume
ST-3-586	06/10/25	In Plume
ST-3-666	06/11/25	In Plume
ST-3-735	06/04/25	In Plume
ST-4-481	06/09/25	Plume Front
ST-4-589	05/20/25	Plume Front
ST-4-690	06/09/25	Plume Front
ST-5-485	05/08/25	Plume Front
ST-5-655	05/08/25	Plume Front
ST-6-528	06/05/25	Plume Front
ST-6-568	06/05/25	Plume Front
ST-6-678	06/05/25	Plume Front
ST-6-824	06/06/25	Plume Front
ST-6-970	06/06/25	Plume Front
ST-7-544	07/01/25	Plume Front
ST-7-779	07/01/25	Plume Front
ST-7-970	07/01/25	Plume Front

Well Name	Event Date	Well Group
WB-1-200	05/15/25	100/600
WB-1-255	05/15/25	100/600
WB-1-330	05/21/25	100/600
WW-1-452	06/17/25	Plume Front
WW-2-489	06/16/25	Sentinel
WW-2-664	06/16/25	Sentinel

Well Name	Event Date	Well Group
WW-3-469	06/05/25	Sentinel
WW-3-569	06/05/25	Sentinel
WW-4-419	05/12/25	Sentinel
WW-4-589	05/12/25	Sentinel
WW-4-848	05/13/25	Sentinel
WW-4-948	05/13/25	Sentinel

Well Name	Event Date	Well Group
WW-5-459	07/07/25	Sentinel
WW-5-579	07/07/25	Sentinel
WW-5-809	07/09/25	Sentinel
WW-5-909	07/09/25	Sentinel

Plume Front	
Well Name	Event Date
B650-EFF-1	05/21/25
B650-EFF-1	06/17/25
B650-EFF-1	07/15/25
B650-INF-1	05/21/25
B650-INF-1	06/17/25
B650-INF-1	07/15/25

Plume Front	
Well Name	Event Date
PFE-1	07/14/25
PFE-2	07/14/25
PFE-3	07/15/25
PFE-4A	07/15/25
PFE-5	07/14/25
PFE-7	07/15/25

Mid-plume	
Well Name	Event Date
B655-EFF-2	05/21/25
B655-EFF-2	06/16/25
B655-EFF-2	07/10/25
B655-INF-2	05/21/25
B655-INF-2	06/16/25
B655-INF-2	07/10/25

Mid-plume	
Well Name	Event Date
MPE-1	05/21/25
MPE-10	05/21/25
MPE-11	05/21/25
MPE-3	07/18/25
MPE-4	07/16/25
MPE-9	05/21/25

Table 4.2 Groundwater Elevation Data

Well Name	Total Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Groundwater Elevation (ft amsl)	Measurement Date
100-001-GW	255	230	250	N/A	-
100-A-182	198	182	192	4668.91	7/21/2025
100-C-365	400	365	385	4533.32	7/21/2025
100-D-176	201	176	196	4565.61	7/21/2025
100-E-261	284	261	271	4682.69	7/21/2025
100-F-358	378	358	368	4713.37	7/21/2025
100-G-223	238	223	233	4851.62	7/21/2025
100-HG-139	167	139	159	4775.12	7/21/2025
200-B-240	260	240	250	4705.74	7/21/2025
200-C(170)i	290	N/A	N/A	4681.12	7/28/2025
200-D-240	280	240	250	4662.26	7/21/2025
200-F(370)i	590	N/A	N/A	4724.40	7/28/2025
200-G(220)i	515	N/A	N/A	4725.09	7/28/2025
200-H(331)i	458	N/A	N/A	4780.05	7/28/2025
200-I(300)i	815	N/A	N/A	4654.41	7/28/2025
200-JG-110	150	110	130	4654.42	7/28/2025
200-KV-150	202	150	170	4727.03	7/21/2025
200-LV-150	175	150	170	4729.69	7/21/2025
300-A-120	152	121	146	4784.65	7/21/2025
300-A-170	182	170	175.5	4784.89	7/21/2025
300-B-166	181	165	176	4775.56	7/21/2025
300-C-128	160	128	154	4731.63	7/21/2025
300-D-153	179	153	174	4950.76	7/21/2025
300-E(138)i	395	N/A	N/A	4812.14	7/28/2025
300-F-175	195	175	185	5044.69	7/21/2025
400-A-151	187	151	176	4636.84	7/28/2025
400-C-143	163	143	153	4670.38	7/28/2025
400-D(275)i	380	N/A	N/A	4659.09	7/28/2025
400-EV-131	146	131	146	4695.47	7/21/2025
400-FV-131	146	131	146	4690.87	7/21/2025
400-GV-125	140	125	140	4694.10	7/21/2025
400-IV-123	138	123	138	4729.86	7/21/2025
400-JV-150	165	150	165	4693.50	7/21/2025
600A-002-GW	185	168	178	4567.12	7/21/2025
600A-003-GW	165	144	154	4576.90	7/21/2025
600A-004-GW	192	181	191	4568.61	7/21/2025
600C-005-GW	419	394	409	4030.63	7/21/2025
600-C-173	199	173	193	4570.24	7/21/2025

Well Name	Total Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Groundwater Elevation (ft amsl)	Measurement Date
600-E(280)i	690	N/A	N/A	4554.28	7/28/2025
600-G-138	148	137.5	147.5	4616.28	7/21/2025
700-A-253	269	253	263	4723.86	7/21/2025
700-B-510	550	510	531	N/A	-
700-D-186	202	186	196	4712.14	7/21/2025
700-E-458	484	458	479	4411.82	7/21/2025
700-H(350)i	695	N/A	N/A	4631.96	7/28/2025
700-J-200	230	200	220	4831.46	7/21/2025
BLM-10-517	532	517	527	4039.80	7/21/2025
BLM-13-300	316	300	310	4422.32	7/21/2025
BLM-14-327	343	327	337	4400.57	7/21/2025
BLM-1-435	451	435	446	4145.38	7/21/2025
BLM-15-305	325	305	315	4424.47	7/21/2025
BLM-17-493	519	493	513	4033.12	7/21/2025
BLM-17-550	600	550.5	560.9	4026.94	7/21/2025
BLM-18-430	456	430	451	4225.43	7/21/2025
BLM-21-400	413	400	410	4312.75	7/21/2025
BLM-22-570	597	570	592	4096.23	7/21/2025
BLM-23-431	447	431	441	4262.29	7/21/2025
BLM-24-565	590	565	585	4386.04	7/21/2025
BLM-25-455	470	455	465	4283.20	7/21/2025
BLM-2-630	498	482	493	4027.07	7/21/2025
BLM-26-404	420	404	414	4357.90	7/21/2025
BLM-27-270	286	270	280	4499.33	7/21/2025
BLM-3-182	208	182	203	4570.63	7/21/2025
BLM-31	795	N/A	N/A	N/A	-
BLM-36(350)ii	905	604	614	4124.94	7/28/2025
BLM-38(480)ii	650	470	490	4201.10	7/28/2025
BLM-39(385)ii	595	379	389	4268.37	7/28/2025
BLM-40-517	532	517	527	4039.05	7/21/2025
BLM-41-420	435	420	430	4317.91	7/21/2025
BLM-42-569	802	569	579	4041.10	7/21/2025
BLM-5-527	560	527	538	4040.82	7/21/2025
BLM-6-488	503	488	498	4231.77	7/21/2025
BLM-7-509	525	509	520	4036.76	7/21/2025
BLM-8-418	434	418	428	4224.41	7/21/2025
BLM-9-419	445	419	440	4227.51	7/21/2025
BW-1-268	294	268	289	4607.66	7/21/2025
BW-3-180	205	180	200	4563.70	7/21/2025

Well Name	Total Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Groundwater Elevation (ft amsl)	Measurement Date
BW-4	820	N/A	N/A	4545.91	7/21/2025
BW-5-295	311	295	305	4582.41	7/21/2025
BW-6-355	381	355	376	4573.21	7/21/2025
BW-7-211	225	211	222	4609.50	7/21/2025
JER-1-483	718	478	488	3947.20	7/28/2025
JER-2-504	756	504	514	N/A	-
JP-1-424	440	424	434	4028.86	7/21/2025
JP-2-447	462	446	457	4030.00	7/21/2025
MPE-2	601	400	580	4372.91	7/21/2025
MPE-3	639	479	619	N/A	-
MPE-4	639	499	619	N/A	-
MPE-5	590	450	570	4141.44	7/21/2025
MPE-6	603	383	602	4275.51	7/21/2025
MPE-7	600	401	600	4242.15	7/21/2025
NASA 10	135	110	130	4828.55	7/21/2025
NASA 3	144	119	139	4888.98	7/21/2025
NASA 4	171	146	166	4638.03	7/21/2025
NASA 5	135	110	130	4815.74	7/21/2025
NASA 6	153	128	148	4694.53	7/21/2025
PFE-1-PZ	609	588	598	4023.09	7/21/2025
PFE-3-PZ	620	590	600	4028.69	7/21/2025
PFI-1-PZ	619	589	599	4033.07	7/21/2025
PFI-4-PZ	600	398	600	4039.14	7/21/2025
PL-10(484)ii	1,000	479	489	4036.16	7/28/2025
PL-11-470	1,003	470	480	4031.19	7/28/2025
PL-12-570	902	570.2	580.2	4033.15	7/28/2025
PL-1-486	502	486	496	4030.51	7/21/2025
PL-2-504	520	504	514	4028.06	7/21/2025
PL-3-453	469	453	464	4032.82	7/21/2025
PL-4-464	480	464	474	4030.21	7/21/2025
PL-6(545)i	1,920	N/A	N/A	4059.24	7/28/2025
PL-7(480)ii	655	475	485	4040.09	7/28/2025
PL-8(455)ii	1,000	448	458	4030.40	7/28/2025
ST-1-473	488	473	483	4029.45	7/21/2025
ST-2-466	481	466	476	4029.19	7/21/2025
ST-3-486	502	486	496	4028.64	7/21/2025
ST-4-481	497	481	491	4033.02	7/21/2025
ST-5-485	497	481	491	4027.79	7/28/2025
ST-6-528	1,000	523	533	3961.65	7/28/2025

Well Name	Total Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Groundwater Elevation (ft amsl)	Measurement Date
WB-1(200)i	359	N/A	N/A	4607.66	7/28/2025
WB-14(520)i	545	N/A	N/A	4432.23	7/28/2025
WB-5(250)i	400	N/A	N/A	4429.18	7/28/2025
WW-1-452	468	452	462	4030.45	7/21/2025
WW-2-589	1,030	589	599	N/A	-
WW-3(469)ii	1,025	469	479	4028.70	7/28/2025
WW-4-419	989	419	429	4073.98	7/28/2025

i Depth to top and bottom of screen are indicated as not applicable (N/A) for multiport Westbay wells that are completed in an open borehole. The depth of the Westbay monitoring port used to calculate the piezometric surface is provided in parenthesis with the well name. Depth to water and groundwater elevation were calculated from the formation pressure at the indicated port depth.

ii The screen depths listed for retrofit multiport wells indicate the top and bottom of the screen in the outer casing of the well that corresponds to the measurement port used at that location. The depth of the monitoring port used to calculate the piezometric surface is provided in parenthesis with the well name. Depth to water and groundwater elevation for Westbay multiport monitoring wells were calculated from the formation pressure at the indicated port depth. Depth to water and groundwater elevation for FLUTe multiport monitoring wells were calculated from pressure transducer readings collected on the measurement date.

Table 5.1 PFTS and MPITS Operational Status for the Reporting Period

Month	Plume Front Treatment System			Mid-plume Treatment System		
	Days Operated	Average Flow Rate (gpm)	Groundwater Treated (acre-ft)	Days Operated	Average Flow Rate (gpm)	Groundwater Treated (acre-ft)
May-25	15 of 31	804	43.3	15 of 31	8.1	0.42
Jun-25	23 of 30	810	66.7	21 of 30	6.7	0.48
Jul-25	29 of 31	808	89.1	18 of 31	8.4	0.49

Table 5.2 PFTS and MPITS System Shutdowns for the Reporting Period

Shutdown Date	Restart Date	Type of Shutdown	Description
Plume Front Treatment System Shutdowns			
5/1/25/25	5/15/25	Planned	Navarro operations personnel shut the system down for a planned electrical outage on May 2, 2025. The system was left offline to perform scheduled preventive maintenance.
5/23/25	5/27/25	Unplanned	The system shut down automatically because of low air flow resulting from a compressor fault.
5/27/25	5/28/25	Planned	Navarro system operators shut the system down to troubleshoot and repair a faulty Cla-Val at well PFI-2.
6/6/25	6/10/25	Unplanned	The system shut down automatically because of low air flow resulting from a compressor fault.
6/19/25	6/24/25	Unplanned	The system shut down automatically because of low air flow resulting from a compressor fault.
7/6/25	7/7/25	Unplanned	The system shut down automatically because of a disruption in the electrical power supply.
7/8/25	7/9/25	Unplanned	The system shut down automatically because of a lightning strike that damaged equipment at well PFI-2.
7/16/25	7/16/25	Planned	The system was shut down to replace an electrical surge suppressor at well PFI-4.
7/17/25	7/17/25	Unplanned	The system shut down automatically because of low air flow resulting from an air compressor fault.
7/22/25	7/22/25	Planned	The system was shut down to repair the air compressor.
7/25/25	7/28/25	Unplanned	The system shut down automatically because of a leak detection alarm.
Mid-plume Interception and Treatment System Shutdowns			
5/1/25	5/5/25	Planned/ Unplanned	The system shut down automatically because of plugged UV water filters. We left the system offline to allow aquifer levels to recover over the weekend.
5/7/25	5/7/25	Unplanned	The system shut down automatically because of a plugged sump pump.
5/9/25	5/12/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
5/15/25	5/19/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
5/22/25	5/28/25	Planned	The system was shut down to allow aquifer levels to recover over the extended holiday weekend.

Shutdown Date	Restart Date	Type of Shutdown	Description
5/30/25	6/2/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
6/1/25	6/2/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
6/11/25	6/16/25	Unplanned	The system shut down automatically because of a disruption in the electrical power supply and was left shut down to allow aquifer levels to recover over the weekend.
6/20/25	6/23/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
6/26/25	6/30/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
6/30/25	7/1/25	Unplanned	The system shut down automatically because of a disruption in the electrical power supply.
7/3/25	7/7/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
7/10/25	7/14/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
7/15/25	7/17/25	Unplanned	The system shut down automatically because of a failed UV reactor water level sensor.
7/17/25	7/21/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
7/24/25	7/28/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.

Table 5.3 PFTS Air Stripper and UV Reactor Performance for the Reporting Period

	Analyte	Unit	Design	May-25	Jun-25	Jul-25
Air Stripper Influent Concentrations	TCE	µg/L	130	17	15	19
	PCE	µg/L	0.66	0.65	0.69	0.72
	Freon 11	µg/L	860	10	15	15
	Chloroform	µg/L	NA[1]	< 0.51[2]	< 0.51[2]	< 0.51[2]
Air Stripper Effluent Concentrations	TCE	µg/L	5.0	< 0.20[2]	< 0.20[2]	< 0.20[2]
	PCE	µg/L	5.0	< 0.21[2]	< 0.21[2]	< 0.21[2]
	Freon 11	µg/L	100	< 0.24[2]	< 0.24[2]	< 0.24[2]
	Chloroform	µg/L	NA[1]	< 0.51[2]	< 0.51[2]	< 0.51[2]
UV Reactor Influent Concentrations	NDMA[3]	ng/L	2,000	136[a]	120[b]	125[c]
UV Reactor Effluent Concentrations	NDMA	ng/L	< 2.0	0.9	<0.35[2]	<0.35[2]

J - The result is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
[1] Chloroform was not included as an analyte in the system design criteria; not applicable (NA).
[2] Analytical result for the constituent was below the method detection limit (MDL; provided).
[3] Reported NDMA concentration is corrected for extraction efficiency. Modified EPA Method 607 batch-specific laboratory control sample recovery of NDMA: 44%[a], 50%[b], 40%[c].

Table 5.4 PFTS Extraction and Injection Well Flow Rates for the Reporting Period

	Well Name	Design Flow Rate[1] (gpm)	Operational Average Flow Rate[2] (gpm)	Overall Average Flow Rate[3] (gpm)	Operational Percent of Well Design	Overall Percent of Well Design
Extraction Wells (gpm)	**PFE-1**	233	228	201	98%	86%
	PFE-2	181	145	128	80%	71%
	PFE-3	172	163	134	95%	78%
	PFE-4A	200	152	134	76%	67%
	PFE-5	5.5	3.0	2.6	55%	48%
	PFE-7	101	111	98	110%	98%
Injection Wells (gpm)	**PFI-1[4]**	NA	NA	NA	NA	NA
	PFI-2	269	286	253	106%	94%
	PFI-3	344	317	280	92%	81%
	PFI-4	194	190	168	98%	87%

[1] Revised design flow rates based on groundwater flow modeling conducted to optimize extraction well pumping rates and size submersible pumps installed for 2023 PFTS well repairs.
[2] Operational averages are calculated using the accumulated flow volume (gallons) over the total accumulated time (minutes) when a well was in operating status. Backwashing and downtime events are not included.
[3] Overall averages are calculated using the accumulated flow volume (gallons) and time (minutes) over the entire reporting period and include backwashing and downtime events.
[4] Well PFI-1 was plugged and abandoned in April 2025.

Table 5.5 Comparison of Specific Capacities for the Plume Front Wells

Well Name	Specific Capacity at Installation	Specific Capacity Oct-24	Specific Capacity Jan-25	Specific Capacity Apr-25	Specific Capacity Jul-25
PFE-1	8.3	6.9	6.9	6.9	6.8
PFE-2	5.7	5.6	5.7	5.7	5.8
PFE-3	19.4	12.7	12.2	11.2	11.2
PFE-4A	3.1	1.7	1.6	1.9	1.8
PFE-5	0.14	<0.1	<0.1	<0.1	<0.1
PFE-7	6.0	4.8	4.9	4.6	5.1
Well Name	**Specific Capacity at Installation (Ideal Range)**	**Specific Capacity Oct-24**	**Specific Capacity Jan-25**	**Specific Capacity Apr-25**	**Specific Capacity Jul-25**
PFI-1	2.8–5	NA[1]	NA[1]	NA[1]	NA[1]
PFI-2	2.8–7	1.6	1.6	1.5	1.5
PFI-3	2–4	1.5	1.8	1.7	1.7
PFI-4	2.3–3.5	1.1	1.3	1.2	1.2

Notes:
Specific capacities are used to measure well performances and have units of gallons per minute per foot of drawdown.
NA[1] – Not Applicable due to the inoperative status of the well during the reporting period. PFI-1 was plugged and abandoned on April 5, 2025.

Table 5.6 Plume Front Mass Removal[1]

Date	TCE (kg)	Freon 11 (kg)	Chloroform(g)	PCE (g)	NDMA (g)
24-Aug	2.2	1.4	ND	65	25.3
24-Sep	2.4	1.8	ND	55	22.4
24-Oct	1.5	1.0	ND	32	17.8
24-Nov	2.0	2.0	ND	81	13.7
24-Dec	1.9	1.4	ND	54	10.5
25-Jan	1.8	1.3	ND	77	15.7
25-Feb	2.0	2.0	ND	59	14.4
25-Mar	1.3	1.0	ND	34	11.4
25-Apr	1.9	1.2	ND	44	15.9
25-May	0.9	0.5	ND	23	7.2
25-Jun	1.2	1.2	ND	39	9.8
25-Jul	2.1	1.6	ND	56	13.7
Total[2]	**21.1**	**16.8**	**0.0**	**589**	**176.3**

Notes:

[1] Mass removed calculated as:
(*Influent concentration - Effluent concentration) * volume of water extracted*

[2] Total mass removed during the period covered by this table.

ND – Non-Detect

Table 5.7 MPITS Air Stripper and UV Reactor Performance for the Reporting Period

	Analyte	Unit	Design Parameter	May-25	Jun-25	Jul-25
Air Stripper Influent Concentrations (MPE Wells)	TCE	µg/L	140	66	61	56
	PCE	µg/L	6.4	3.1	3.2	2.9
	Freon 11	µg/L	240	130	130	95
	Chloroform	µg/L	NA[1]	<0.51[2]	<0.51[2]	<0.51[2]
Air Stripper Influent Concentrations (Well 600-G-138)	TCE	µg/L	140	31	NS	21
	PCE	µg/L	6.4	<0.21[2]	NS	<0.21[2]
	Freon 11	µg/L	240	<0.24[2]	NS	<0.24[2]
	Chloroform	µg/L	NA[1]	<0.51[2]	NS	<0.51[2]
Air Stripper Effluent Concentrations	TCE	µg/L	1.0	<0.20[2]	<0.20[2]	<0.20[2]
	PCE	µg/L	1.0	<0.21[2]	<0.21[2]	<0.21[2]
	Freon 11	µg/L	50	<0.24[2]	<0.24[2]	0.25 J
	Chloroform	µg/L	NA[1]	<0.51[2]	<0.51[2]	<0.51[2]
UV Reactor Influent Concentrations (MPE Wells)	NDMA[3]	ng/L	25,500	3,364[a]	3,720[b]	4,532[c]
UV Reactor Influent Concentrations (Well 600-G-138)	NDMA	ng/L	25,500	<4.8[d]	NS	NS
UV Reactor Effluent Concentrations[4]	NDMA	ng/L	< 2.0	0.71	<0.35	1.17

Notes:

J - The result is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.

NS - Not sampled during the reporting period. Well 600-G-138 is sampled annually for NDMA in accordance with the GMP (NASA, 2024b). Analytical data are provided in this table when available.

[1] Chloroform was not included in the design analyte list; not applicable (NA).

[2] Analytical result for the constituent was below the MDL (provided).

[3] Reported NDMA concentration is corrected for extraction efficiency. Modified EPA Method 607 batch-specific laboratory control sample recovery of NDMA: 44%[a], 50%[b], 40%[c], 54%[d]

[4] Analytical results from the low-level NDMA analytical method were below the MDL (provided). Results for Method 607 were ND.

Table 5.8 Mid-plume Mass Removal[1]

Date	TCE (g)	F11 (g)	Chloroform (g)	PCE (g)	NDMA (g)
24-Aug	15.6	30.7	ND	0.8	1.3
24-Sep	27.5	53.6	ND	1.3	2.2
24-Oct	34.5	68.2	ND	1.7	2.8
24-Nov	28.52	38.54	ND	1.28	2.16
24-Dec	27.83	37.47	ND	1.24	2.10
25-Jan	32.51	43.92	ND	1.46	2.47
25-Feb	31.60	65.20	ND	1.48	2.56
25-Mar	34.30	70.69	ND	1.60	2.78
25-Apr	38.82	79.77	ND	1.81	3.12
25-May	33.48	62.95	ND	1.51	2.21
25Jun	38.25	72.00	ND	1.73	2.53
25-Jul	43.71	82.70	ND	1.92	2.84
Total[2]	**390.55**	**707.05**	**0.00**	**17.95**	**28.83**

Notes:
ND – Non-Detect

[1] Mass calculation: volume of water extracted at each well * (*contaminant concentration at each well – MPITS effluent concentration*).

[2] Total mass removed during the period covered by this table.

Table 5.9 Groundwater Treatment System Operation Costs ($ / 1,000 gals)

Date	Gallons Treated[1]	ECO Labor + Materials	TEST3 Labor + Materials	L+M cost per 1,000 gal	Energy Cost[2]	Energy Cost per 1,000 gal	Total Cost	Total Cost per 1,000 gal treated
Sep-24	36,171,741	$75,174	$53,068	$3.55	$24,258	$0.67	$152,500	$4.22
Oct-24	34,871,271	$75,174	$54,547	$3.72	$13,896	$0.40	$143,617	$4.12
Nov-24	16,946,859	$80,186	$74,267	$9.11	$9,395	$0.55	$163,848	$9.67
Dec-24	32,348,858	$60,139	$49,930	$3.40	$13,134	$0.41	$123,202	$3.81
Jan-25	27,991,577	$115,267	$60,750	$6.29	$13,341	$0.48	$189,358	$6.76
Feb-25	32,046,142	$90,209	$46,358	$4.26	$16,728	$0.52	$153,295	$4.78
Mar-25	22,213,263	$75,174	$63,153	$6.23	$19,216	$0.87	$157,543	$7.09
Apr-25	33,286,005	$75,174	$75,802	$4.54	$18,541	$0.56	$169,517	$5.09
May-25	14,243,273	$80,186	$92,588	$12.13	$10,891	$0.76	$183,665	$12.89
Jun-25	21,887,086	$108,924	$40,541	$6.83	$19,157	$0.88	$168,622	$7.70
Jul-25	29,217,104	$105,924	$36,411	$4.87	$22,126	$0.76	$164,461	$5.63
Aug-25	32,281,631	$67,237	$111,372	$5.53	$19,807	$0.61	$198,416	$6.15
12-Month Total	333,504,809	$1,008,767	$758,787	$5.30	$200,489	$0.60	$1,968,043	$5.90

Notes:
1) Gallons treated reflect amount of water extracted during power reporting period.
2) Months May through September include Peak Demand Rates.

Table 6.1 Status of Wells with Sampling Issues

Well	Date of Discovery	Description	Next Sampling Date per GMP	Description of Future Plan or Resolution
New Occurrences this Quarter				
None				
Unresolved Issues				
BLM-1-435	Apr-20	Sampling failed, as there was not enough water in the screen to fill the sample bottles. Failed again, in April 2021 and October 2021.	NA	The well does not provide sufficient water for representative sampling and will be abandoned and replaced. NMED approved the work plan for the replacement well (NMED, 2023c) with modifications that NASA addressed.
PL-3-453	Dec-20	Unable to collect groundwater sample because the water level in the well was insufficient for sampling. Insufficient recharge.	NA	The well does not provide sufficient water for representative sampling and will be abandoned and replaced. NMED approved the work plan for the replacement well (NMED, 2023d).
Issues Resolved this Quarter (will not appear in future Periodic Monitoring Reports)				
WW-4-419	Feb-25	Unable to collect groundwater sample because the water level in the well was insufficient for sampling.	May-25	Collected groundwater sample on May 12, 2025. Results included in this report.
ST-1-473	May-25	Unable to collect groundwater sample because the water level in the well was insufficient for sampling.	Aug-25	The issue was resolved and the well was sampled on June 2, 2025.
WB-4-330	May-25	Unable to collect representative groundwater samples because of elevated turbidity.	Aug-25	NASA performed additional purging to reduce turbidity to acceptable levels and sampled the well on June 4, 2025.
600A-003-GW		Unable to collect groundwater sample because the water level in the well was insufficient for sampling.		Continue to monitor water level and sample the well if the water level becomes adequate.

Appendix A
Indicator Parameters and Analytical Data

Appendix A.1: Monitor Well Indicator Parameters
Appendix A.2: Monitor Well Analytical Data
Appendix A.3: PFTS Indicator Parameters
Appendix A.4: PFTS Analytical Data
Appendix A.5: MPITS Indicator Parameters
Appendix A.6: MPITS Analytical Data

Appendix A.1
Monitor Well Indicator Parameters

Summary of Water Quality Parameters
for the Sampling Events in this Reporting Period

Well ID 100-001-GW **Event Date** 7/16/2025

Sample	Parameter	Result	Units
2507161015A	Conductivity	714	µS/cm
2507161015A	DTW		ft
2507161015A	pH	8.36	NA
2507161015A	Temperature	21.38	ºC
2507161015A	Turbidity	1.86	NTU
2507161017A	Conductivity	711	µS/cm
2507161017A	DTW		ft
2507161017A	pH	8.29	NA
2507161017A	Temperature	21.37	ºC
2507161017A	Turbidity	1.80	NTU
2507161019A	Conductivity	712	µS/cm
2507161019A	DTW		ft
2507161019A	pH	8.33	NA
2507161019A	Temperature	21.37	ºC
2507161019A	Turbidity	1.82	NTU

Well ID 100-E-261 **Event Date** 6/17/2025

Sample	Parameter	Result	Units
2506170825A	Conductivity	1142	µS/cm
2506170825A	DTW	222.80	ft
2506170825A	pH	7.30	NA
2506170825A	Temperature	22.0	ºC
2506170825A	Turbidity	1.06	NTU
2506170827A	Conductivity	1141	µS/cm
2506170827A	DTW	222.80	ft
2506170827A	pH	7.32	NA
2506170827A	Temperature	22.0	ºC
2506170827A	Turbidity	0.92	NTU
2506170829A	Conductivity	1143	µS/cm
2506170829A	DTW	222.80	ft
2506170829A	pH	7.42	NA
2506170829A	Temperature	22.0	ºC
2506170829A	Turbidity	0.95	NTU

Well ID	100-G-223	Event Date	7/10/2025	
Sample	**Parameter**		**Result**	**Units**
2507101024A	Conductivity		1079.155	µS/cm
2507101024A	DTW			ft
2507101024A	pH		7.300	NA
2507101024A	Temperature		21.524	ºC
2507101024A	Turbidity		9.582	NTU
2507101025A	Conductivity		1070.536	µS/cm
2507101025A	DTW			ft
2507101025A	pH		7.303	NA
2507101025A	Temperature		21.312	ºC
2507101025A	Turbidity		9.516	NTU
2507101026A	Conductivity		1078.566	µS/cm
2507101026A	DTW			ft
2507101026A	pH		7.302	NA
2507101026A	Temperature		21.546	ºC
2507101026A	Turbidity		9.561	NTU

Well ID	300-001-GSV	Event Date	6/11/2025	
Sample	**Parameter**		**Result**	**Units**
2506110940A	Conductivity		1545	µS/cm
2506110940A	DTW		123.50	ft
2506110940A	pH		7.15	NA
2506110940A	Temperature		23.4	ºC
2506110940A	Turbidity		1.42	NTU
2506110945A	Conductivity		1510	µS/cm
2506110945A	DTW		125.70	ft
2506110945A	pH		7.25	NA
2506110945A	Temperature		22.0	ºC
2506110945A	Turbidity		3.21	NTU
2506110950A	Conductivity		1492	µS/cm
2506110950A	DTW		126.52	ft
2506110950A	pH		7.40	NA
2506110950A	Temperature		22.3	ºC
2506110950A	Turbidity		2.27	NTU

Well ID	300-002-GSV	Event Date	6/12/2025	
Sample	**Parameter**		**Result**	**Units**
2506120945A	Conductivity		1105	µS/cm
2506120945A	DTW		117.35	ft
2506120945A	pH		7.54	NA
2506120945A	Temperature		25.0	ºC
2506120945A	Turbidity		2.11	NTU
2506120950A	Conductivity		1092	µS/cm
2506120950A	DTW		117.40	ft
2506120950A	pH		7.62	NA
2506120950A	Temperature		21.7	ºC
2506120950A	Turbidity		2.72	NTU
2506120955A	Conductivity		1095	µS/cm
2506120955A	DTW		117.27	ft
2506120955A	pH		7.53	NA
2506120955A	Temperature		24.4	ºC
2506120955A	Turbidity		2.01	NTU

Well ID	300-F-175	Event Date	7/14/2025	
Sample	**Parameter**		**Result**	**Units**
2507141410A	Conductivity		1201	µS/cm
2507141410A	DTW			ft
2507141410A	pH		8.62	NA
2507141410A	Temperature		23.63	ºC
2507141410A	Turbidity		5.72	NTU
2507141412A	Conductivity		1204	µS/cm
2507141412A	DTW			ft
2507141412A	pH		8.63	NA
2507141412A	Temperature		23.62	ºC
2507141412A	Turbidity		5.68	NTU
2507141414A	Conductivity		1201	µS/cm
2507141414A	DTW			ft
2507141414A	pH		8.60	NA
2507141414A	Temperature		23.62	ºC
2507141414A	Turbidity		5.71	NTU

Well ID	400-001-GW	Event Date	5/22/2025	
Sample	**Parameter**		**Result**	**Units**
2505221310C	Conductivity		1331	µS/cm
2505221310C	DTW			ft
2505221310C	pH		7.50	NA
2505221310C	Temperature		21.1	ºC
2505221310C	Turbidity		8.01	NTU
2505221345C	Conductivity		1329	µS/cm
2505221345C	DTW			ft
2505221345C	pH		7.39	NA
2505221345C	Temperature		20.9	ºC
2505221345C	Turbidity		8.49	NTU

Well ID	600A-001-GW-1	Event Date	6/10/2025	
Sample	**Parameter**		**Result**	**Units**
2506100951A	Conductivity		1502	µS/cm
2506100951A	DTW			ft
2506100951A	pH		7.61	NA
2506100951A	Temperature		21.0	ºC
2506100951A	Turbidity		7.9	NTU
2506101010A	Conductivity		1519	µS/cm
2506101010A	DTW			ft
2506101010A	pH		7.87	NA
2506101010A	Temperature		21.0	ºC
2506101010A	Turbidity		11.4	NTU

Well ID	600A-002-GW-1	Event Date	6/10/2025	
Sample	**Parameter**		**Result**	**Units**
2506101415A	Conductivity		1201	µS/cm
2506101415A	DTW			ft
2506101415A	pH		7.66	NA
2506101415A	Temperature		22.8	ºC
2506101415A	Turbidity		2.3	NTU
2506101430A	Conductivity		1207	µS/cm
2506101430A	DTW			ft
2506101430A	pH		7.72	NA
2506101430A	Temperature		21.7	ºC
2506101430A	Turbidity		2.5	NTU

Well ID	600A-004-GW	Event Date	7/15/2025	
Sample	**Parameter**		**Result**	**Units**
2507151320C	Conductivity		2.29	µS/cm
2507151320C	DTW		186.35	ft
2507151320C	pH		8.43	NA
2507151320C	Temperature		23.4	ºC
2507151320C	Turbidity		0.74	NTU
2507151407C	Conductivity		2.96	µS/cm
2507151407C	DTW		186.78	ft
2507151407C	pH		8.45	NA
2507151407C	Temperature		23.6	ºC
2507151407C	Turbidity		0.15	NTU

Well ID	600C-005-GW	Event Date	7/16/2025	
Sample	**Parameter**		**Result**	**Units**
2507161030C	Conductivity		877	µS/cm
2507161030C	DTW		388.70	ft
2507161030C	pH		8.81	NA
2507161030C	Temperature		21.6	ºC
2507161030C	Turbidity		0.46	NTU
2507161050C	Conductivity		878	µS/cm
2507161050C	DTW			ft
2507161050C	pH		8.83	NA
2507161050C	Temperature		21.7	ºC
2507161050C	Turbidity		0.33	NTU

Well ID	600-C-173	Event Date	5/20/2025	
Sample	**Parameter**		**Result**	**Units**
2505201345C	Conductivity		19.77	µS/cm
2505201345C	DTW		178.45	ft
2505201345C	pH		6.97	NA
2505201345C	Temperature		22.2	ºC
2505201345C	Turbidity		3.79	NTU
2505201350C	Conductivity		19.78	µS/cm
2505201350C	DTW		178.45	ft
2505201350C	pH		6.96	NA
2505201350C	Temperature		21.8	ºC
2505201350C	Turbidity		3.89	NTU
2505201355C	Conductivity		19.69	µS/cm
2505201355C	DTW		178.45	ft
2505201355C	pH		6.97	NA
2505201355C	Temperature		22.1	ºC
2505201355C	Turbidity		3.97	NTU

Well ID	600-G-138	Event Date	5/7/2025	
Sample	**Parameter**		**Result**	**Units**
2505071045B	Conductivity		1876	µS/cm
2505071045B	DTW		145.55	ft
2505071045B	pH		8.65	NA
2505071045B	Temperature		19.8	ºC
2505071045B	Turbidity		4.16	NTU
2505071105B	Conductivity		1891	µS/cm
2505071105B	DTW		NA	ft
2505071105B	pH		8.70	NA
2505071105B	Temperature		20.3	ºC
2505071105B	Turbidity		2.92	NTU
2507151045B	Conductivity		2.42	µS/cm
2507151045B	DTW		145.40	ft
2507151045B	pH		7.54	NA
2507151045B	Temperature		25.2	ºC
2507151045B	Turbidity		2.10	NTU
2507151100B	Conductivity		2.38	µS/cm
2507151100B	DTW			ft
2507151100B	pH		7.52	NA
2507151100B	Temperature		24.9	ºC
2507151100B	Turbidity		1.96	NTU

Well ID	700-E-458	Event Date	7/15/2025	
Sample	**Parameter**		**Result**	**Units**
2507151350A	Conductivity		593	µS/cm
2507151350A	DTW			ft
2507151350A	pH		10.35	NA
2507151350A	Temperature		28.98	ºC
2507151350A	Turbidity		5.06	NTU
2507151352A	Conductivity		590	µS/cm
2507151352A	DTW			ft
2507151352A	pH		10.34	NA
2507151352A	Temperature		28.97	ºC
2507151352A	Turbidity		5.02	NTU
2507151354A	Conductivity		591	µS/cm
2507151354A	DTW			ft
2507151354A	pH		10.28	NA
2507151354A	Temperature		28.97	ºC
2507151354A	Turbidity		5.04	NTU

Well ID	BLM-10-517	Event Date	7/10/2025	
Sample	**Parameter**		**Result**	**Units**
2507101350C	Conductivity		1017.46	µS/cm
2507101350C	DTW		499.36	ft
2507101350C	pH		7.57	NA
2507101350C	Temperature		22.20	ºC
2507101350C	Turbidity		1.12	NTU
2507101353C	Conductivity		1009.37	µS/cm
2507101353C	DTW		499.36	ft
2507101353C	pH		7.54	NA
2507101353C	Temperature		22.81	ºC
2507101353C	Turbidity		0.82	NTU
2507101356C	Conductivity		1002.80	µS/cm
2507101356C	DTW		499.36	ft
2507101356C	pH		7.53	NA
2507101356C	Temperature		22.93	ºC
2507101356C	Turbidity		0.63	NTU

Well ID	BLM-15-305	Event Date	7/14/2025	
Sample	**Parameter**		**Result**	**Units**
2507141350C	Conductivity		1170	µS/cm
2507141350C	DTW			ft
2507141350C	pH		8.84	NA
2507141350C	Temperature		23.7	ºC
2507141350C	Turbidity		1.44	NTU
2507141353C	Conductivity		1168	µS/cm
2507141353C	DTW			ft
2507141353C	pH		8.80	NA
2507141353C	Temperature		24.1	ºC
2507141353C	Turbidity		1.51	NTU
2507141356C	Conductivity		1162	µS/cm
2507141356C	DTW			ft
2507141356C	pH		8.78	NA
2507141356C	Temperature		24.4	ºC
2507141356C	Turbidity		1.29	NTU

Well ID	BLM-17-493	Event Date	5/5/2025	
Sample	**Parameter**		**Result**	**Units**
2505051350C	Conductivity		1121.4	µS/cm
2505051350C	DO		7.50	mg/L
2505051350C	DTW		508.70	ft
2505051350C	ORP		99.7	mV
2505051350C	pH		7.87	NA
2505051350C	Temperature		21.46	ºC
2505051350C	Turbidity		2.11	NTU
2505051353C	Conductivity		1123.0	µS/cm
2505051353C	DO		7.09	mg/L
2505051353C	DTW		508.70	ft
2505051353C	ORP		97.4	mV
2505051353C	pH		7.87	NA
2505051353C	Temperature		21.55	ºC
2505051353C	Turbidity		1.55	NTU
2505051356C	Conductivity		1124.8	µS/cm
2505051356C	DO		6.87	mg/L
2505051356C	DTW		508.70	ft
2505051356C	ORP		96.3	mV
2505051356C	pH		7.89	NA
2505051356C	Temperature		21.64	ºC
2505051356C	Turbidity		1.36	NTU

Well ID	BLM-17-550	Event Date	7/14/2025	
Sample	**Parameter**		**Result**	**Units**
2507141015C	Conductivity		1182.1	µS/cm
2507141015C	DTW		515.03	ft
2507141015C	pH		7.30	NA
2507141015C	Temperature		21.62	ºC
2507141015C	Turbidity		2.02	NTU
2507141018C	Conductivity		1184.2	µS/cm
2507141018C	DTW		515.03	ft
2507141018C	pH		7.30	NA
2507141018C	Temperature		21.68	ºC
2507141018C	Turbidity		1.73	NTU
2507141021C	Conductivity		1187.3	µS/cm
2507141021C	DTW		515.03	ft
2507141021C	pH		7.28	NA
2507141021C	Temperature		21.70	ºC
2507141021C	Turbidity		1.64	NTU

Well ID	BLM-18-430	Event Date	7/14/2025	
Sample	**Parameter**		**Result**	**Units**
2507140945A	Conductivity		1000	µS/cm
2507140945A	DTW			ft
2507140945A	pH		7.47	NA
2507140945A	Temperature		21.66	ºC
2507140945A	Turbidity		4.95	NTU
2507140947A	Conductivity		1001	µS/cm
2507140947A	DTW			ft
2507140947A	pH		7.50	NA
2507140947A	Temperature		21.65	ºC
2507140947A	Turbidity		4.86	NTU
2507140949A	Conductivity		1001	µS/cm
2507140949A	DTW			ft
2507140949A	pH		7.45	NA
2507140949A	Temperature		21.65	ºC
2507140949A	Turbidity		4.81	NTU

Well ID	BLM-22-570	Event Date	5/19/2025	
Sample	**Parameter**		**Result**	**Units**
2505190930C	Conductivity		1194.60	µS/cm
2505190930C	DO		5.16	mg/L
2505190930C	DTW		514.76	ft
2505190930C	pH		7.85	NA
2505190930C	Temperature		20.89	ºC
2505190930C	Turbidity		2.24	NTU
2505190933C	Conductivity		1196.24	µS/cm
2505190933C	DO		5.01	mg/L
2505190933C	DTW		514.76	ft
2505190933C	pH		7.83	NA
2505190933C	Temperature		20.95	ºC
2505190933C	Turbidity		2.03	NTU
2505190936C	Conductivity		1199.40	µS/cm
2505190936C	DO		4.91	mg/L
2505190936C	DTW		514.76	ft
2505190936C	pH		1.95	NA
2505190936C	Temperature		20.98	ºC
2505190936C	Turbidity		1.95	NTU

Well ID	BLM-24-565	Event Date	5/9/2025	
Sample	**Parameter**		**Result**	**Units**
2505090830C	Conductivity		1073.8	µS/cm
2505090830C	DO		5.15	mg/L
2505090830C	DTW		331.70	ft
2505090830C	ORP		29.3	mV
2505090830C	pH		10.92	NA
2505090830C	Temperature		21.60	ºC
2505090830C	Turbidity		1.31	NTU
2505090832C	Conductivity		1075	µS/cm
2505090832C	DO		4.92	mg/L
2505090832C	DTW		331.75	ft
2505090832C	ORP		29.9	mV
2505090832C	pH		10.88	NA
2505090832C	Temperature		21.63	ºC
2505090832C	Turbidity		1.16	NTU
2505090834C	Conductivity		1078.3	µS/cm
2505090834C	DO		4.71	mg/L
2505090834C	DTW		331.78	ft
2505090834C	ORP		31.0	mV
2505090834C	pH		10.87	NA
2505090834C	Temperature		21.68	ºC
2505090834C	Turbidity		1.13	NTU

Well ID	BLM-2-630	Event Date	5/15/2025	
Sample	**Parameter**		**Result**	**Units**
2505151010C	Conductivity		876.94	µS/cm
2505151010C	DO		3.48	mg/L
2505151010C	DTW			ft
2505151010C	ORP		33.4	mV
2505151010C	pH		7.66	NA
2505151010C	Temperature		20.59	ºC
2505151010C	Turbidity		1.52	NTU
2505151012C	Conductivity		882.92	µS/cm
2505151012C	DO		3.24	mg/L
2505151012C	DTW			ft
2505151012C	ORP		33.7	mV
2505151012C	pH		7.67	NA
2505151012C	Temperature		20.54	ºC
2505151012C	Turbidity		1.08	NTU
2505151014C	Conductivity		877.09	µS/cm
2505151014C	DO		3.90	mg/L
2505151014C	DTW			ft
2505151014C	ORP		34.2	mV
2505151014C	pH		7.68	NA
2505151014C	Temperature		20.56	ºC
2505151014C	Turbidity		1.17	NTU

Well ID	BLM-26-404	Event Date	5/7/2025	
Sample	**Parameter**		**Result**	**Units**
2505071435C	Conductivity		1009	µS/cm
2505071435C	DO		264	mg/L
2505071435C	DTW		311.05	ft
2505071435C	ORP		104	mV
2505071435C	pH		7.58	NA
2505071435C	Temperature		21.87	ºC
2505071435C	Turbidity		1.52	NTU
2505071437C	Conductivity		1007	µS/cm
2505071437C	DO		261	mg/L
2505071437C	DTW		311.05	ft
2505071437C	ORP		103	mV
2505071437C	pH		7.53	NA
2505071437C	Temperature		21.88	ºC
2505071437C	Turbidity		1.37	NTU
2505071439C	Conductivity		1009	µS/cm
2505071439C	DO		264	mg/L
2505071439C	DTW		311.05	ft
2505071439C	ORP		103	mV
2505071439C	pH		7.53	NA
2505071439C	Temperature		21.88	ºC
2505071439C	Turbidity		1.02	NTU

Well ID	BLM-27-270	Event Date	6/16/2025	
Sample	**Parameter**		**Result**	**Units**
2506161324A	Conductivity		926	µS/cm
2506161324A	DTW		233.80	ft
2506161324A	pH		7.86	NA
2506161324A	Temperature		28.2	ºC
2506161324A	Turbidity		1.21	NTU
2506161327A	Conductivity		926	µS/cm
2506161327A	DTW		233.80	ft
2506161327A	pH		7.84	NA
2506161327A	Temperature		28.2	ºC
2506161327A	Turbidity		1.49	NTU
2506161330A	Conductivity		926	µS/cm
2506161330A	DTW		233.80	ft
2506161330A	pH		7.85	NA
2506161330A	Temperature		28.2	ºC
2506161330A	Turbidity		1.87	NTU

Well ID	BLM-32-543	Event Date	5/8/2025	
Sample	**Parameter**		**Result**	**Units**
2505081035B	Conductivity		977	µS/cm
2505081035B	pH		8.43	NA
2505081035B	Temperature		24.1	ºC
2505081035B	Transducer		NA	ft
2505081035B	Turbidity		0.99	NTU
2505081050B	Conductivity		979	µS/cm
2505081050B	pH		8.40	NA
2505081050B	Temperature		24.1	ºC
2505081050B	Transducer		NA	ft
2505081050B	Turbidity		0.94	NTU

Well ID	BLM-32-571	Event Date	5/8/2025	
Sample	**Parameter**		**Result**	**Units**
2505081105B	Conductivity		961	µS/cm
2505081105B	pH		8.23	NA
2505081105B	Temperature		24.2	ºC
2505081105B	Transducer		NA	ft
2505081105B	Turbidity		0.48	NTU
2505081118B	Conductivity		964	µS/cm
2505081118B	pH		8.19	NA
2505081118B	Temperature		24.2	ºC
2505081118B	Transducer		NA	ft
2505081118B	Turbidity		0.51	NTU

Well ID	BLM-32-632	Event Date	5/8/2025	
Sample	**Parameter**		**Result**	**Units**
2505081140B	Conductivity		949	µS/cm
2505081140B	pH		8.34	NA
2505081140B	Temperature		24.4	ºC
2505081140B	Transducer		NA	ft
2505081140B	Turbidity		0.66	NTU
2505081200B	Conductivity		951	µS/cm
2505081200B	pH		8.31	NA
2505081200B	Temperature		24.4	ºC
2505081200B	Transducer		NA	ft
2505081200B	Turbidity		0.64	NTU

Well ID	BLM-36-610	Event Date	5/5/2025	
Sample	**Parameter**		**Result**	**Units**
2505050930Y	Atmospheric Pressure		12.48	psia
2505050930Y	Conductivity		1309	µS/cm
2505050930Y	DTW			m
2505050930Y	pH		7.81	NA
2505050930Y	Temperature		24.4	ºC
2505050930Y	Turbidity		1.27	NTU
2505051250Y	Atmospheric Pressure		12.48	psia
2505051250Y	Conductivity		1312	µS/cm
2505051250Y	DTW			m
2505051250Y	pH		7.76	NA
2505051250Y	Temperature		24.4	ºC
2505051250Y	Turbidity		1.18	NTU

Well ID	BLM-36-800	Event Date	5/6/2025	
Sample	**Parameter**		**Result**	**Units**
2505061429Y	Atmospheric Pressure		12.49	psia
2505061429Y	Conductivity		1297	µS/cm
2505061429Y	DTW			m
2505061429Y	pH		8.12	NA
2505061429Y	Temperature		24.6	ºC
2505061429Y	Turbidity		2.15	NTU
2505070955Y	Atmospheric Pressure		NA	psia
2505070955Y	Conductivity		1335	µS/cm
2505070955Y	DTW			m
2505070955Y	pH		7.71	NA
2505070955Y	Temperature		24.6	ºC
2505070955Y	Turbidity		1.34	NTU

Well ID	BLM-36-860	Event Date	5/5/2025	
Sample	**Parameter**		**Result**	**Units**
2505051431Y	Atmospheric Pressure		12.47	psia
2505051431Y	Conductivity		1179	µS/cm
2505051431Y	DTW			m
2505051431Y	pH		7.81	NA
2505051431Y	Temperature		25.2	ºC
2505051431Y	Turbidity		53.2	NTU
2505061048Y	Atmospheric Pressure		12.54	psia
2505061048Y	Conductivity		1370	µS/cm
2505061048Y	DTW			m
2505061048Y	pH		7.62	NA
2505061048Y	Temperature		21.7	ºC
2505061048Y	Turbidity		43.2	NTU

Well ID	BLM-38-480	Event Date	5/14/2025	
Sample	**Parameter**		**Result**	**Units**
2505140900Y	Atmospheric Pressure		12.53	psia
2505140900Y	Conductivity		1065	µS/cm
2505140900Y	DTW		406.83	ft
2505140900Y	Formation Pressure		NA	psia
2505140900Y	pH		8.14	NA
2505140900Y	Temperature		22.1	ºC
2505140900Y	Turbidity		0.61	NTU
2505141348Y	Atmospheric Pressure		12.55	psia
2505141348Y	Conductivity		1061	µS/cm
2505141348Y	DTW		406.94	ft
2505141348Y	Formation Pressure		NA	psia
2505141348Y	pH		8.10	NA
2505141348Y	Temperature		22.2	ºC
2505141348Y	Turbidity		0.58	NTU

Well ID	BLM-38-620	Event Date	5/13/2025	
Sample	**Parameter**		**Result**	**Units**
2505130912Y	Atmospheric Pressure		12.60	psia
2505130912Y	Conductivity		1227	µS/cm
2505130912Y	DTW		406.75	ft
2505130912Y	Formation Pressure		NA	psia
2505130912Y	pH		7.43	NA
2505130912Y	Temperature		22.8	ºC
2505130912Y	Turbidity		1.03	NTU
2505131100Y	Atmospheric Pressure		12.60	psia
2505131100Y	Conductivity		1221	µS/cm
2505131100Y	DTW		406.83	ft
2505131100Y	Formation Pressure		NA	psia
2505131100Y	pH		7.40	NA
2505131100Y	Temperature		22.8	ºC
2505131100Y	Turbidity		0.99	NTU

Well ID	BLM-42-569	Event Date	6/12/2025	
Sample	**Parameter**		**Result**	**Units**
2506120942C	Conductivity		798	µS/cm
2506120942C	DTW			ft
2506120942C	pH		7.36	NA
2506120942C	Temperature		24.2	ºC
2506120942C	Turbidity		0.32	NTU
2506120944C	Conductivity		795	µS/cm
2506120944C	DTW			ft
2506120944C	pH		7.35	NA
2506120944C	Temperature		24.1	ºC
2506120944C	Turbidity		0.31	NTU
2506120946C	Conductivity		796	µS/cm
2506120946C	DTW			ft
2506120946C	pH		7.38	NA
2506120946C	Temperature		24.1	ºC
2506120946C	Turbidity		0.33	NTU

Well ID	BLM-42-709	Event Date	6/12/2025	
Sample	**Parameter**		**Result**	**Units**
2506121415C	Conductivity			µS/cm
2506121415C	Conductivity		775	µS/cm
2506121415C	DTW			ft
2506121415C	DTW			ft
2506121415C	pH		7.86	NA
2506121415C	pH			NA
2506121415C	Temperature			ºC
2506121415C	Temperature		25.4	ºC
2506121415C	Turbidity		2.37	NTU
2506121415C	Turbidity			NTU
2506121417C	Conductivity		776	µS/cm
2506121417C	DTW			ft
2506121417C	pH		7.79	NA
2506121417C	Temperature		25.4	ºC
2506121417C	Turbidity		2.29	NTU
2506121419C	Conductivity		775	µS/cm
2506121419C	DTW			ft
2506121419C	pH		7.81	NA
2506121419C	Temperature		25.3	ºC
2506121419C	Turbidity		2.26	NTU

Well ID	BLM-6-488	Event Date	7/3/2025	
Sample	**Parameter**		**Result**	**Units**
2507020910C	Conductivity		1391	µS/cm
2507020910C	DTW			ft
2507020910C	pH		7.29	NA
2507020910C	Temperature		20.80	ºC
2507020910C	Turbidity		2.47	NTU
2507020912C	Conductivity		1390	µS/cm
2507020912C	DTW			ft
2507020912C	pH		7.31	NA
2507020912C	Temperature		20.79	ºC
2507020912C	Turbidity		2.39	NTU
2507020914C	Conductivity		1392	µS/cm
2507020914C	DTW			ft
2507020914C	pH		7.30	NA
2507020914C	Temperature		20.79	ºC
2507020914C	Turbidity		2.20	NTU

Well ID	BLM-7-509	Event Date	6/17/2025	
Sample	**Parameter**		**Result**	**Units**
2506170930C	Conductivity		1311	µS/cm
2506170930C	DTW			ft
2506170930C	pH		7.62	NA
2506170930C	Temperature		24.3	ºC
2506170930C	Turbidity		0.33	NTU
2506170932C	Conductivity		1312	µS/cm
2506170932C	DTW			ft
2506170932C	pH		7.65	NA
2506170932C	Temperature		24.2	ºC
2506170932C	Turbidity		0.36	NTU
2506170934C	Conductivity		1311	µS/cm
2506170934C	DTW			ft
2506170934C	pH		7.62	NA
2506170934C	Temperature		24.2	ºC
2506170934C	Turbidity		0.31	NTU

Well ID	BLM-8-418	Event Date	5/14/2025	
Sample	**Parameter**		**Result**	**Units**
2505140945B	Conductivity		996.97	µS/cm
2505140945B	DTW		336.80	ft
2505140945B	ORP		109.8	mV
2505140945B	pH		7.63	NA
2505140945B	Temperature		20.97	ºC
2505140945B	Turbidity		0.99	NTU
2505140947B	Conductivity		1001.08	µS/cm
2505140947B	DTW		336.80	ft
2505140947B	ORP		112.9	mV
2505140947B	pH		7.64	NA
2505140947B	Temperature		20.99	ºC
2505140947B	Turbidity		0.95	NTU
2505140949B	Conductivity		998.24	µS/cm
2505140949B	DTW		336.80	ft
2505140949B	ORP		112.0	mV
2505140949B	pH		7.66	NA
2505140949B	Temperature		20.95	ºC
2505140949B	Turbidity		0.92	NTU

Well ID	BW-4-330	Event Date	6/4/2025	
Sample	**Parameter**		**Result**	**Units**
2506041300C	Conductivity		1533	µS/cm
2506041300C	DTW		197.12	ft
2506041300C	pH		8.29	NA
2506041300C	Temperature		23.9	ºC
2506041300C	Turbidity		11.6	NTU
2506041303C	Conductivity		1529	µS/cm
2506041303C	DTW		197.13	ft
2506041303C	pH		8.26	NA
2506041303C	Temperature		24.1	ºC
2506041303C	Turbidity		12.3	NTU
2506041306C	Conductivity		1527	µS/cm
2506041306C	DTW		197.13	ft
2506041306C	pH		8.25	NA
2506041306C	Temperature		24.8	ºC
2506041306C	Turbidity		10.8	NTU

Well ID	BW-5-295	Event Date	5/19/2025	
Sample	**Parameter**		**Result**	**Units**
2505191350C	Conductivity		860.19	µS/cm
2505191350C	DO		6.59	mg/L
2505191350C	DTW		236.61	ft
2505191350C	pH		8.59	NA
2505191350C	Temperature		21.93	ºC
2505191350C	Turbidity		1.43	NTU
2505191353C	Conductivity		858.70	µS/cm
2505191353C	DO		6.42	mg/L
2505191353C	DTW		236.61	ft
2505191353C	pH		8.63	NA
2505191353C	Temperature		22.10	ºC
2505191353C	Turbidity		1.30	NTU
2505191356C	Conductivity		857.44	µS/cm
2505191356C	DO		6.33	mg/L
2505191356C	DTW		236.61	ft
2505191356C	pH		8.67	NA
2505191356C	Temperature		22.19	ºC
2505191356C	Turbidity		1.12	NTU

Well ID	BW-7-211	Event Date	6/16/2025	
Sample	**Parameter**		**Result**	**Units**
2506160940A	Conductivity		1125	µS/cm
2506160940A	DTW		192.80	ft
2506160940A	pH		7.54	NA
2506160940A	Temperature		23.7	ºC
2506160940A	Turbidity		2.91	NTU
2506160942A	Conductivity		1150	µS/cm
2506160942A	DTW		192.80	ft
2506160942A	pH		7.69	NA
2506160942A	Temperature		24.1	ºC
2506160942A	Turbidity		2.44	NTU
2506160944A	Conductivity		1140	µS/cm
2506160944A	DTW		192.80	ft
2506160944A	pH		7.65	NA
2506160944A	Temperature		23.8	ºC
2506160944A	Turbidity		2.02	NTU

Well ID	JER-1-483	Event Date	7/2/2025	
Sample	**Parameter**		**Result**	**Units**
2507021100B	Conductivity		1.11	µS/cm
2507021100B	pH		7.84	NA
2507021100B	Temperature		23.6	ºC
2507021100B	Transducer			ft
2507021100B	Turbidity		1315	NTU
2507021125B	Conductivity		1.08	µS/cm
2507021125B	pH		7.86	NA
2507021125B	Temperature		23.4	ºC
2507021125B	Transducer			ft
2507021125B	Turbidity		1317	NTU

Well ID	JER-1-563	Event Date	7/2/2025	
Sample	**Parameter**		**Result**	**Units**
2507021120B	Conductivity		1346	µS/cm
2507021120B	pH		8.36	NA
2507021120B	Temperature		23.3	ºC
2507021120B	Transducer			ft
2507021120B	Turbidity		1.29	NTU
2507021140B	Conductivity		1349	µS/cm
2507021140B	pH		8.40	NA
2507021140B	Temperature		23.4	ºC
2507021140B	Transducer			ft
2507021140B	Turbidity		1.41	NTU

Well ID	JER-1-683	Event Date	7/2/2025	
Sample	**Parameter**		**Result**	**Units**
2507021122B	Conductivity		1299	µS/cm
2507021122B	pH		8.18	NA
2507021122B	Temperature		23.4	ºC
2507021122B	Transducer			ft
2507021122B	Turbidity		0.95	NTU
2507021205B	Conductivity		1296	µS/cm
2507021205B	pH		8.15	NA
2507021205B	Temperature		23.6	ºC
2507021205B	Transducer			ft
2507021205B	Turbidity		1.21	NTU

Well ID	JER-2-504	Event Date	7/3/2025	
Sample	**Parameter**		**Result**	**Units**
2507031200B	Conductivity		1174	µS/cm
2507031200B	pH		8.21	NA
2507031200B	Temperature		23.1	ºC
2507031200B	Transducer			ft
2507031200B	Turbidity		1.50	NTU
2507031230B	Conductivity		1175	µS/cm
2507031230B	pH		8.18	NA
2507031230B	Temperature		24.0	ºC
2507031230B	Transducer			ft
2507031230B	Turbidity		1.10	NTU

Well ID	JER-2-584	Event Date	7/3/2025	
Sample	**Parameter**		**Result**	**Units**
2507031207B	Conductivity		1248	µS/cm
2507031207B	pH		8.30	NA
2507031207B	Temperature		24.0	ºC
2507031207B	Transducer			ft
2507031207B	Turbidity		1.26	NTU
2507031240B	Conductivity		1248	µS/cm
2507031240B	pH		8.15	NA
2507031240B	Temperature		24.1	ºC
2507031240B	Transducer		NA	ft
2507031240B	Turbidity		1.23	NTU

Well ID	JER-2-684	Event Date	7/3/2025	
Sample	**Parameter**		**Result**	**Units**
2507031213B	Conductivity		1277	µS/cm
2507031213B	pH		7.19	NA
2507031213B	Temperature		22.4	ºC
2507031213B	Transducer			ft
2507031213B	Turbidity		1.21	NTU
2507031248B	Conductivity		1250	µS/cm
2507031248B	pH		7.32	NA
2507031248B	Temperature		24.2	ºC
2507031248B	Transducer			ft
2507031248B	Turbidity		1.37	NTU

Well ID	JP-1-424	Event Date	7/9/2025	
Sample	**Parameter**		**Result**	**Units**
2507091400C	Conductivity		1086.80	µS/cm
2507091400C	DTW		419.44	ft
2507091400C	pH		7.55	NA
2507091400C	Temperature		22.74	ºC
2507091400C	Turbidity		0.73	NTU
2507091403C	Conductivity		1081.43	µS/cm
2507091403C	DTW		419.44	ft
2507091403C	pH		7.52	NA
2507091403C	Temperature		22.80	ºC
2507091403C	Turbidity		0.68	NTU
2507091406C	Conductivity		1075.20	µS/cm
2507091406C	DTW		419.44	ft
2507091406C	pH		7.51	NA
2507091406C	Temperature		22.88	ºC
2507091406C	Turbidity		0.62	NTU

Well ID	JP-2-447	Event Date	7/9/2025	
Sample	**Parameter**		**Result**	**Units**
2507091015C	Conductivity		1072.0	µS/cm
2507091015C	DTW		420.58	ft
2507091015C	pH		7.23	NA
2507091015C	Temperature		23.18	ºC
2507091015C	Turbidity		0.99	NTU
2507091018C	Conductivity		1081.3	µS/cm
2507091018C	DTW		420.58	ft
2507091018C	pH		7.23	NA
2507091018C	Temperature		23.16	ºC
2507091018C	Turbidity		0.80	NTU
2507091021C	Conductivity		1083.8	µS/cm
2507091021C	DTW		420.58	ft
2507091021C	pH		7.26	NA
2507091021C	Temperature		23.26	ºC
2507091021C	Turbidity		0.39	NTU

Well ID	JP-3-509	Event Date	7/7/2025	
Sample	**Parameter**		**Result**	**Units**
2507071015C	Conductivity		1081.6	µS/cm
2507071015C	DTW			ft
2507071015C	pH		7.70	NA
2507071015C	Temperature		22.49	ºC
2507071015C	Turbidity		1.85	NTU
2507071018C	Conductivity		1089.6	µS/cm
2507071018C	DTW			ft
2507071018C	pH		7.71	NA
2507071018C	Temperature		22.50	ºC
2507071018C	Turbidity		1.60	NTU
2507071021C	Conductivity		1083.4	µS/cm
2507071021C	DTW			ft
2507071021C	pH		7.72	NA
2507071021C	Temperature		22.67	ºC
2507071021C	Turbidity		1.50	NTU

Well ID	JP-3-689	Event Date	7/7/2025	
Sample	**Parameter**		**Result**	**Units**
2507071351C	Conductivity		1089.4	µS/cm
2507071351C	DTW			ft
2507071351C	pH		7.48	NA
2507071351C	Temperature		22.56	ºC
2507071351C	Turbidity		1.47	NTU
2507071354C	Conductivity		1092.0	µS/cm
2507071354C	DTW			ft
2507071354C	pH		7.48	NA
2507071354C	Temperature		22.62	ºC
2507071354C	Turbidity		1.35	NTU
2507071357C	Conductivity		1093.5	µS/cm
2507071357C	DTW			ft
2507071357C	pH		7.46	NA
2507071357C	Temperature		22.72	ºC
2507071357C	Turbidity		1.31	NTU

Well ID	NASA 4	Event Date	5/19/2025	
Sample	**Parameter**		**Result**	**Units**
2505190945A	Conductivity		1240	µS/cm
2505190945A	DTW			ft
2505190945A	pH		8.47	NA
2505190945A	Temperature		20.8	ºC
2505190945A	Turbidity		4.99	NTU
2505191000A	Conductivity		1231	µS/cm
2505191000A	DTW			ft
2505191000A	pH		8.29	NA
2505191000A	Temperature		20.8	ºC
2505191000A	Turbidity		3.67	NTU
2505191020A	Conductivity		1236	µS/cm
2505191020A	DTW			ft
2505191020A	pH		8.26	NA
2505191020A	Temperature		20.7	ºC
2505191020A	Turbidity		3.63	NTU

Well ID	PL-10-484	Event Date	7/2/2025	
Sample	**Parameter**		**Result**	**Units**
2507021415Y	Atmospheric Pressure		12.49	psia
2507021415Y	Conductivity		1330	µS/cm
2507021415Y	DTW		472.68	ft
2507021415Y	Formation Pressure			psia
2507021415Y	pH		7.74	NA
2507021415Y	Temperature		24.5	ºC
2507021415Y	Turbidity		4.56	NTU
2507021530Y	Atmospheric Pressure		12.50	psia
2507021530Y	Conductivity		1343	µS/cm
2507021530Y	DTW		472.75	ft
2507021530Y	Formation Pressure			psia
2507021530Y	pH		7.68	NA
2507021530Y	Temperature		24.7	ºC
2507021530Y	Turbidity		3.72	NTU

Well ID	PL-10-592	Event Date	7/2/2025	
Sample	**Parameter**		**Result**	**Units**
2507020935Y	Atmospheric Pressure		12.50	psia
2507020935Y	Conductivity		1309	µS/cm
2507020935Y	DTW		472.57	ft
2507020935Y	Formation Pressure			psia
2507020935Y	pH		7.62	NA
2507020935Y	Temperature		24.0	ºC
2507020935Y	Turbidity		1.37	NTU
2507021050Y	Atmospheric Pressure		12.47	psia
2507021050Y	Conductivity		1322	µS/cm
2507021050Y	DTW		472.68	ft
2507021050Y	Formation Pressure			psia
2507021050Y	pH		7.94	NA
2507021050Y	Temperature		24.2	ºC
2507021050Y	Turbidity		2.76	NTU

Well ID	PL-11-470	Event Date	6/2/2025	
Sample	**Parameter**		**Result**	**Units**
2506021315B	Conductivity		1083	µS/cm
2506021315B	pH		8.71	NA
2506021315B	Temperature		22.6	ºC
2506021315B	Transducer			ft
2506021315B	Turbidity		1.70	NTU
2506021335B	Conductivity		1080	µS/cm
2506021335B	pH		8.73	NA
2506021335B	Temperature		22.8	ºC
2506021335B	Transducer			ft
2506021335B	Turbidity		1.59	NTU

Well ID	PL-11-530	Event Date	6/3/2025	
Sample	**Parameter**		**Result**	**Units**
2506031130B	Conductivity		1138	µS/cm
2506031130B	pH		7.80	NA
2506031130B	Temperature		23.5	ºC
2506031130B	Transducer			ft
2506031130B	Turbidity		1.96	NTU
2506031210B	Conductivity		1129	µS/cm
2506031210B	pH		7.78	NA
2506031210B	Temperature		23.9	ºC
2506031210B	Transducer			ft
2506031210B	Turbidity		1.90	NTU

Well ID	PL-11-710	Event Date	6/3/2025	
Sample	**Parameter**		**Result**	**Units**
2506031145B	Conductivity		1135	µS/cm
2506031145B	pH		7.64	NA
2506031145B	Temperature		24.1	ºC
2506031145B	Transducer			ft
2506031145B	Turbidity		1.80	NTU
2506031225B	Conductivity		1146	µS/cm
2506031225B	pH		7.68	NA
2506031225B	Temperature		24.3	ºC
2506031225B	Transducer			ft
2506031225B	Turbidity		1.68	NTU

Well ID	PL-11-820	Event Date	6/4/2025	
Sample	**Parameter**		**Result**	**Units**
2506041130B	Conductivity		1018	µS/cm
2506041130B	pH		7.94	NA
2506041130B	Temperature		24.4	ºC
2506041130B	Transducer			ft
2506041130B	Turbidity		0.78	NTU
2506041205B	Conductivity		1015	µS/cm
2506041205B	pH		7.90	NA
2506041205B	Temperature		24.5	ºC
2506041205B	Transducer			ft
2506041205B	Turbidity		0.80	NTU

Well ID	PL-11-980	Event Date	6/4/2025	
Sample	**Parameter**		**Result**	**Units**
2506041145B	Conductivity		966	µS/cm
2506041145B	pH		8.55	NA
2506041145B	Temperature		22.9	ºC
2506041145B	Transducer			ft
2506041145B	Turbidity		0.87	NTU
2506041225B	Conductivity		959	µS/cm
2506041225B	pH		8.57	NA
2506041225B	Temperature		23.1	ºC
2506041225B	Transducer			ft
2506041225B	Turbidity		1.25	NTU

Well ID	PL-12-570	Event Date	5/20/2025	
Sample	**Parameter**		**Result**	**Units**
2505201425A	Conductivity		1106	µS/cm
2505201425A	DTW			ft
2505201425A	pH		7.42	NA
2505201425A	Temperature		22.5	ºC
2505201425A	Turbidity		0.89	NTU
2506111410C	Conductivity		1307	µS/cm
2506111410C	DTW			ft
2506111410C	pH		7.03	NA
2506111410C	Temperature		26.0	ºC
2506111410C	Turbidity		0.44	NTU
2506111412C	Conductivity		1308	µS/cm
2506111412C	DTW			ft
2506111412C	pH		7.04	NA
2506111412C	Temperature		26.0	ºC
2506111412C	Turbidity		0.42	NTU
2506111414C	Conductivity		1306	µS/cm
2506111414C	DTW			ft
2506111414C	pH		7.04	NA
2506111414C	Temperature		25.9	ºC
2506111414C	Turbidity		0.41	NTU

Well ID	PL-12-800	Event Date	5/20/2025	
Sample	**Parameter**		**Result**	**Units**
2505200930A	Conductivity		1073	µS/cm
2505200930A	DTW			ft
2505200930A	pH		7.45	NA
2505200930A	Temperature		21.1	ºC
2505200930A	Turbidity		0.93	NTU
2505200932A	Conductivity		1070	µS/cm
2505200932A	DTW			ft
2505200932A	pH		7.41	NA
2505200932A	Temperature		21.2	ºC
2505200932A	Turbidity		0.95	NTU
2505200934A	Conductivity		1071	µS/cm
2505200934A	DTW			ft
2505200934A	pH		7.42	NA
2505200934A	Temperature		21.1	ºC
2505200934A	Turbidity		0.90	NTU

Well ID	PL-1-486	Event Date	7/10/2025	
Sample	**Parameter**		**Result**	**Units**
2507100920C	Conductivity		1011.42	µS/cm
2507100920C	DTW		491.55	ft
2507100920C	pH		7.86	NA
2507100920C	Temperature		22.38	ºC
2507100920C	Turbidity		0.88	NTU
2507100923C	Conductivity		1021.06	µS/cm
2507100923C	DTW		491.55	ft
2507100923C	pH		7.81	NA
2507100923C	Temperature		22.41	ºC
2507100923C	Turbidity		0.64	NTU
2507100926C	Conductivity		1024.34	µS/cm
2507100926C	DTW		491.55	ft
2507100926C	pH		7.78	NA
2507100926C	Temperature		22.49	ºC
2507100926C	Turbidity		0.69	NTU

Well ID	PL-2-504	Event Date	6/17/2025	
Sample	**Parameter**		**Result**	**Units**
2506170820C	Conductivity		1258	µS/cm
2506170820C	DTW			ft
2506170820C	pH		8.05	NA
2506170820C	Temperature		24.2	ºC
2506170820C	Turbidity		0.38	NTU
2506170822C	Conductivity		1261	µS/cm
2506170822C	DTW		NA	ft
2506170822C	pH		8.02	NA
2506170822C	Temperature		24.2	ºC
2506170822C	Turbidity		0.41	NTU
2506170824C	Conductivity		1260	µS/cm
2506170824C	DTW			ft
2506170824C	pH		8.01	NA
2506170824C	Temperature		24.2	ºC
2506170824C	Turbidity		0.36	NTU

Well ID	PL-4-464	Event Date	6/2/2025	
Sample	**Parameter**		**Result**	**Units**
2506021400A	Conductivity		1343	µS/cm
2506021400A	DTW		455.60	ft
2506021400A	pH		7.74	NA
2506021400A	Temperature		23.5	ºC
2506021400A	Turbidity		0.98	NTU
2506021402A	Conductivity		1342	µS/cm
2506021402A	DTW		455.60	ft
2506021402A	pH		7.73	NA
2506021402A	Temperature		23.7	ºC
2506021402A	Turbidity		1.02	NTU
2506021404A	Conductivity		1347	µS/cm
2506021404A	DTW		455.60	ft
2506021404A	pH		7.72	NA
2506021404A	Temperature		23.6	ºC
2506021404A	Turbidity		1.05	NTU

Well ID	PL-6-545	Event Date	7/1/2025	
Sample	**Parameter**		**Result**	**Units**
2507011315Y	Atmospheric Pressure		12.57	psia
2507011315Y	Conductivity		1247	µS/cm
2507011315Y	DTW		476.08	ft
2507011315Y	Formation Pressure			psia
2507011315Y	pH		8.07	NA
2507011315Y	Temperature		24.5	ºC
2507011315Y	Turbidity		0.71	NTU
2507011415Y	Atmospheric Pressure		12.56	psia
2507011415Y	Conductivity		1256	µS/cm
2507011415Y	DTW		476.15	ft
2507011415Y	Formation Pressure		NA	psia
2507011415Y	pH		8.13	NA
2507011415Y	Temperature		24.8	ºC
2507011415Y	Turbidity		0.60	NTU

Well ID	PL-6-725	Event Date	7/1/2025	
Sample	**Parameter**		**Result**	**Units**
2507010915Y	Atmospheric Pressure		12.59	psia
2507010915Y	Conductivity		1222	µS/cm
2507010915Y	DTW		475.95	ft
2507010915Y	Formation Pressure			psia
2507010915Y	pH		7.97	NA
2507010915Y	Temperature		23.8	ºC
2507010915Y	Turbidity		1.51	NTU
2507010947Y	Atmospheric Pressure		12.60	psia
2507010947Y	Conductivity		1236	µS/cm
2507010947Y	DTW		476.08	ft
2507010947Y	Formation Pressure			psia
2507010947Y	pH		7.98	NA
2507010947Y	Temperature		23.5	ºC
2507010947Y	Turbidity		1.64	NTU

Well ID	PL-7-560	Event Date	5/12/2025	
Sample	**Parameter**		**Result**	**Units**
2505121315Y	Atmospheric Pressure		12.61	psia
2505121315Y	Conductivity		1221	µS/cm
2505121315Y	DTW		486.35	ft
2505121315Y	Formation Pressure		NA	psia
2505121315Y	pH		7.84	NA
2505121315Y	Temperature		25.9	ºC
2505121315Y	Turbidity		4.43	NTU
2505121430Y	Atmospheric Pressure		12.59	psia
2505121430Y	Conductivity		1226	µS/cm
2505121430Y	DTW		486.43	ft
2505121430Y	Formation Pressure		NA	psia
2505121430Y	pH		7.79	NA
2505121430Y	Temperature		25.8	ºC
2505121430Y	Turbidity		4.38	NTU

Well ID	PL-8-455	Event Date	6/9/2025	
Sample	**Parameter**		**Result**	**Units**
2506090930Y	Atmospheric Pressure		12.45	psia
2506090930Y	Conductivity		1287	µS/cm
2506090930Y	DTW		458.60	ft
2506090930Y	Formation Pressure			psia
2506090930Y	pH		8.27	NA
2506090930Y	Temperature		23.2	ºC
2506090930Y	Turbidity		0.51	NTU
2506091305Y	Atmospheric Pressure		12.45	psia
2506091305Y	Conductivity		1281	µS/cm
2506091305Y	DTW		458.71	ft
2506091305Y	Formation Pressure			psia
2506091305Y	pH		8.33	NA
2506091305Y	Temperature		23.3	ºC
2506091305Y	Turbidity		0.62	NTU

Well ID	PL-8-605	Event Date	6/6/2025	
Sample	**Parameter**		**Result**	**Units**
2506060915Y	Atmospheric Pressure		12.50	psia
2506060915Y	Conductivity		1342	µS/cm
2506060915Y	DTW		458.40	ft
2506060915Y	Formation Pressure			psia
2506060915Y	pH		8.22	NA
2506060915Y	Temperature		23.4	ºC
2506060915Y	Turbidity		0.66	NTU
2506061006Y	Atmospheric Pressure		12.48	psia
2506061006Y	Conductivity		1335	µS/cm
2506061006Y	DTW		458.48	ft
2506061006Y	Formation Pressure			psia
2506061006Y	pH		8.28	NA
2506061006Y	Temperature		24.1	ºC
2506061006Y	Turbidity		0.60	NTU

Well ID	PL-8-780	Event Date	6/9/2025	
Sample	**Parameter**		**Result**	**Units**
2506091425Y	Atmospheric Pressure		12.45	psia
2506091425Y	Conductivity		1086	µS/cm
2506091425Y	DTW		458.71	ft
2506091425Y	Formation Pressure			psia
2506091425Y	pH		8.41	NA
2506091425Y	Temperature		27.9	ºC
2506091425Y	Turbidity		0.63	NTU
2506091458Y	Atmospheric Pressure		12.45	psia
2506091458Y	Conductivity		1079	µS/cm
2506091458Y	DTW		458.84	ft
2506091458Y	Formation Pressure			psia
2506091458Y	pH		8.35	NA
2506091458Y	Temperature		27.8	ºC
2506091458Y	Turbidity		0.60	NTU

Well ID	PL-8-965	Event Date	6/6/2025	
Sample	**Parameter**		**Result**	**Units**
2506061150Y	Atmospheric Pressure		12.52	psia
2506061150Y	Conductivity		948	µS/cm
2506061150Y	DTW		458.48	ft
2506061150Y	Formation Pressure			psia
2506061150Y	pH		8.67	NA
2506061150Y	Temperature		25.5	ºC
2506061150Y	Turbidity		0.63	NTU
2506061222Y	Atmospheric Pressure		12.52	psia
2506061222Y	Conductivity		956	µS/cm
2506061222Y	DTW		458.60	ft
2506061222Y	Formation Pressure		NA	psia
2506061222Y	pH		8.71	NA
2506061222Y	Temperature		25.7	ºC
2506061222Y	Turbidity		0.64	NTU

Well ID	ST-1-473	Event Date	6/2/2025	
Sample	**Parameter**		**Result**	**Units**
2506021020A	Conductivity		1357	µS/cm
2506021020A	DTW		478.58	ft
2506021020A	pH		8.12	NA
2506021020A	Temperature		24.1	ºC
2506021020A	Turbidity		3.79	NTU
2506021023A	Conductivity		1361	µS/cm
2506021023A	DTW		478.58	ft
2506021023A	pH		8.16	NA
2506021023A	Temperature		24.4	ºC
2506021023A	Turbidity		3.33	NTU
2506021026A	Conductivity		1362	µS/cm
2506021026A	DTW		478.60	ft
2506021026A	pH		8.18	NA
2506021026A	Temperature		24.3	ºC
2506021026A	Turbidity		2.9	NTU

Well ID	ST-1-541	Event Date	5/21/2025	
Sample	**Parameter**		**Result**	**Units**
2505210930C	Conductivity		1270	µS/cm
2505210930C	DTW			ft
2505210930C	pH		8.39	NA
2505210930C	Temperature		20.5	ºC
2505210930C	Turbidity		1.85	NTU
2505211010C	Conductivity		1281	µS/cm
2505211010C	DTW			ft
2505211010C	pH		8.19	NA
2505211010C	Temperature		20.2	ºC
2505211010C	Turbidity		0.93	NTU

Well ID	ST-1-630	Event Date	5/15/2025	
Sample	**Parameter**		**Result**	**Units**
2505151425C	Conductivity		1067.2	µS/cm
2505151425C	DO		4.48	mg/L
2505151425C	DTW		276.90	ft
2505151425C	ORP		32.7	mV
2505151425C	pH		7.72	NA
2505151425C	Temperature		21.79	ºC
2505151425C	Turbidity		3.60	NTU
2505151427C	Conductivity		1113.7	µS/cm
2505151427C	DO		3.39	mg/L
2505151427C	DTW		476.90	ft
2505151427C	ORP		34.3	mV
2505151427C	pH		7.75	NA
2505151427C	Temperature		21.67	ºC
2505151427C	Turbidity		2.20	NTU
2505151429C	Conductivity		1071.4	µS/cm
2505151429C	DO		4.29	mg/L
2505151429C	DTW		476.90	ft
2505151429C	ORP		35.4	mV
2505151429C	pH		7.74	NA
2505151429C	Temperature		21.63	ºC
2505151429C	Turbidity		1.98	NTU

Well ID	ST-3-486	Event Date	6/10/2025	
Sample	**Parameter**		**Result**	**Units**
2506100905C	Conductivity		1160	µS/cm
2506100905C	DTW			ft
2506100905C	pH		7.58	NA
2506100905C	Temperature		21.4	ºC
2506100905C	Turbidity		2.05	NTU
2506100907C	Conductivity		1157	µS/cm
2506100907C	DTW			ft
2506100907C	pH		7.53	NA
2506100907C	Temperature		21.3	ºC
2506100907C	Turbidity		2.01	NTU
2506100909C	Conductivity		1161	µS/cm
2506100909C	DTW			ft
2506100909C	pH		7.55	NA
2506100909C	Temperature		21.3	ºC
2506100909C	Turbidity		2.02	NTU

Well ID	ST-3-586	Event Date	6/10/2025	
Sample	**Parameter**		**Result**	**Units**
2506101418C	Conductivity		1268	µS/cm
2506101418C	DTW			ft
2506101418C	pH		7.49	NA
2506101418C	Temperature		23.7	ºC
2506101418C	Turbidity		1.76	NTU
2506101420C	Conductivity		1270	µS/cm
2506101420C	DTW			ft
2506101420C	pH		7.42	NA
2506101420C	Temperature		23.6	ºC
2506101420C	Turbidity		1.73	NTU
2506101422C	Conductivity		1266	µS/cm
2506101422C	DTW		NA	ft
2506101422C	pH		7.47	NA
2506101422C	Temperature		23.7	ºC
2506101422C	Turbidity		1.70	NTU

Well ID	ST-3-666	Event Date	6/11/2025	
Sample	**Parameter**		**Result**	**Units**
2506110910C	Conductivity		1262	µS/cm
2506110910C	DTW		471.36	ft
2506110910C	pH		7.51	NA
2506110910C	Temperature		20.8	ºC
2506110910C	Turbidity		1.49	NTU
2506110913C	Conductivity		1265	µS/cm
2506110913C	DTW		471.36	ft
2506110913C	pH		7.48	NA
2506110913C	Temperature		20.8	ºC
2506110913C	Turbidity		1.19	NTU
2506110916C	Conductivity		1268	µS/cm
2506110916C	DTW		471.36	ft
2506110916C	pH		7.46	NA
2506110916C	Temperature		21.0	ºC
2506110916C	Turbidity		1.13	NTU

Well ID	ST-3-735	Event Date	6/4/2025	
Sample	**Parameter**		**Result**	**Units**
2506041410A	Conductivity		1307	µS/cm
2506041410A	DTW			ft
2506041410A	pH		7.40	NA
2506041410A	Temperature		22.8	ºC
2506041410A	Turbidity		1.67	NTU
2506041412A	Conductivity		1312	µS/cm
2506041412A	DTW			ft
2506041412A	pH		7.35	NA
2506041412A	Temperature		22.8	ºC
2506041412A	Turbidity		1.58	NTU
2506041414A	Conductivity		1315	µS/cm
2506041414A	DTW			ft
2506041414A	pH		7.38	NA
2506041414A	Temperature		22.9	ºC
2506041414A	Turbidity		1.56	NTU

Well ID	ST-4-481	Event Date	6/9/2025	
Sample	**Parameter**		**Result**	**Units**
2506091410C	Conductivity		1332	µS/cm
2506091410C	DTW		463.80	ft
2506091410C	pH		7.53	NA
2506091410C	Temperature		22.8	ºC
2506091410C	Turbidity		0.53	NTU
2506091415C	Conductivity		1299	µS/cm
2506091415C	DTW		465	ft
2506091415C	pH		7.26	NA
2506091415C	Temperature		22.1	ºC
2506091415C	Turbidity		0.38	NTU
2506091420C	Conductivity		1289	µS/cm
2506091420C	DTW		465	ft
2506091420C	pH		7.33	NA
2506091420C	Temperature		21.3	ºC
2506091420C	Turbidity		0.61	NTU

Well ID	ST-4-589	Event Date	5/20/2025	
Sample	**Parameter**		**Result**	**Units**
2505200935C	Conductivity		819	µS/cm
2505200935C	DTW		463.96	ft
2505200935C	pH		8.73	NA
2505200935C	Temperature		20.6	ºC
2505200935C	Turbidity		0.97	NTU
2505200940C	Conductivity		820	µS/cm
2505200940C	DTW		463.96	ft
2505200940C	pH		8.60	NA
2505200940C	Temperature		20.8	ºC
2505200940C	Turbidity		0.80	NTU
2505200945C	Conductivity		821	µS/cm
2505200945C	DTW		463.96	ft
2505200945C	pH		8.46	NA
2505200945C	Temperature		20.8	ºC
2505200945C	Turbidity		0.83	NTU

Well ID	ST-4-690	Event Date	6/9/2025	
Sample	**Parameter**		**Result**	**Units**
2506090950C	Conductivity		1059	µS/cm
2506090950C	DTW		463.70	ft
2506090950C	pH		7.95	NA
2506090950C	Temperature		23.4	ºC
2506090950C	Turbidity		0.79	NTU
2506090955C	Conductivity		1033	µS/cm
2506090955C	DTW		463.70	ft
2506090955C	pH		8.20	NA
2506090955C	Temperature		23.5	ºC
2506090955C	Turbidity		0.25	NTU
2506091000C	Conductivity		1033	µS/cm
2506091000C	DTW		464.10	ft
2506091000C	pH		8.21	NA
2506091000C	Temperature		23.5	ºC
2506091000C	Turbidity		0.39	NTU

Well ID	ST-5-485	Event Date	5/8/2025	
Sample	**Parameter**		**Result**	**Units**
2505081325Y	Atmospheric Pressure		12.71	psia
2505081325Y	Conductivity		1210	µS/cm
2505081325Y	DTW		491.35	ft
2505081325Y	Formation Pressure		NA	psia
2505081325Y	pH		8.21	NA
2505081325Y	Temperature		22.8	ºC
2505081325Y	Turbidity		1.38	NTU
2505081415Y	Atmospheric Pressure		12.69	psia
2505081415Y	Conductivity		1203	µS/cm
2505081415Y	DTW		491.37	ft
2505081415Y	Formation Pressure		NA	psia
2505081415Y	pH		8.18	NA
2505081415Y	Temperature		22.9	ºC
2505081415Y	Turbidity		1.09	NTU

Well ID	ST-5-655	Event Date	5/8/2025	
Sample	**Parameter**		**Result**	**Units**
2505080910Y	Atmospheric Pressure		12.65	psia
2505080910Y	Conductivity		999	µS/cm
2505080910Y	DTW		491.26	ft
2505080910Y	pH		8.46	NA
2505080910Y	Temperature		21.9	ºC
2505080910Y	Turbidity		2.47	NTU
2505080947Y	Atmospheric Pressure		12.68	psia
2505080947Y	Conductivity		1008	µS/cm
2505080947Y	DTW		491.35	ft
2505080947Y	pH		8.40	NA
2505080947Y	Temperature		22.2	ºC
2505080947Y	Turbidity		1.88	NTU

Well ID	ST-6-528	Event Date	6/5/2025	
Sample	**Parameter**		**Result**	**Units**
2506051130B	Conductivity		1370	µS/cm
2506051130B	pH		8.08	NA
2506051130B	Temperature		23.1	ºC
2506051130B	Transducer			ft
2506051130B	Turbidity		1.53	NTU
2506051300B	Conductivity		1337	µS/cm
2506051300B	pH		8.05	NA
2506051300B	Temperature		23.3	ºC
2506051300B	Transducer			ft
2506051300B	Turbidity		1.27	NTU

Well ID	ST-6-568	Event Date	6/5/2025	
Sample	**Parameter**		**Result**	**Units**
2506051135B	Conductivity		1338	µS/cm
2506051135B	pH		7.53	NA
2506051135B	Temperature		22.6	ºC
2506051135B	Transducer			ft
2506051135B	Turbidity		0.73	NTU
2506051310B	Conductivity		1325	µS/cm
2506051310B	pH		7.71	NA
2506051310B	Temperature		22.4	ºC
2506051310B	Transducer			ft
2506051310B	Turbidity		0.51	NTU

Well ID	ST-6-678	Event Date	6/5/2025	
Sample	**Parameter**		**Result**	**Units**
2506051137B	Conductivity		1228	µS/cm
2506051137B	pH		8.05	NA
2506051137B	Temperature		23.1	ºC
2506051137B	Transducer			ft
2506051137B	Turbidity		0.30	NTU
2506051320B	Conductivity		1222	µS/cm
2506051320B	pH		8.21	NA
2506051320B	Temperature		23.0	ºC
2506051320B	Transducer			ft
2506051320B	Turbidity		0.42	NTU

Well ID	ST-6-824	Event Date	6/6/2025	
Sample	**Parameter**		**Result**	**Units**
2506061030B	Conductivity		1141	µS/cm
2506061030B	pH		8.53	NA
2506061030B	Temperature		23.3	ºC
2506061030B	Transducer			ft
2506061030B	Turbidity		1.18	NTU
2506061220B	Conductivity		1112	µS/cm
2506061220B	pH		8.61	NA
2506061220B	Temperature		23.1	ºC
2506061220B	Transducer			ft
2506061220B	Turbidity		1.27	NTU

Well ID	ST-6-970	Event Date	6/6/2025	
Sample	**Parameter**		**Result**	**Units**
2506061031B	Conductivity		1269	µS/cm
2506061031B	pH		7.74	NA
2506061031B	Temperature		22.1	ºC
2506061031B	Transducer			ft
2506061031B	Turbidity		0.93	NTU
2506061230B	Conductivity		1251	µS/cm
2506061230B	pH		7.77	NA
2506061230B	Temperature		22.3	ºC
2506061230B	Transducer			ft
2506061230B	Turbidity		0.99	NTU

Well ID	ST-7-544	Event Date	7/1/2025	
Sample	**Parameter**		**Result**	**Units**
2507011230B	Conductivity		1091	µS/cm
2507011230B	pH		7.75	NA
2507011230B	Temperature		21.5	ºC
2507011230B	Transducer			ft
2507011230B	Turbidity		0.62	NTU
2507011305B	Conductivity		1095	µS/cm
2507011305B	pH		7.80	NA
2507011305B	Temperature		21.7	ºC
2507011305B	Transducer			ft
2507011305B	Turbidity		0.54	NTU

Well ID	ST-7-779	Event Date	7/1/2025	
Sample	**Parameter**		**Result**	**Units**
2507011150B	Conductivity		1181	µS/cm
2507011150B	pH		8.12	NA
2507011150B	Temperature		23.7	ºC
2507011150B	Transducer			ft
2507011150B	Turbidity		0.51	NTU
2507011220B	Conductivity		1185	µS/cm
2507011220B	pH		8.09	NA
2507011220B	Temperature		23.5	ºC
2507011220B	Transducer			ft
2507011220B	Turbidity		0.59	NTU

Well ID	ST-7-970	Event Date	7/1/2025	
Sample	**Parameter**		**Result**	**Units**
2507011045B	Conductivity		901	µS/cm
2507011045B	pH		7.13	NA
2507011045B	Temperature		22.4	ºC
2507011045B	Transducer			ft
2507011045B	Turbidity		0.41	NTU
2507011115B	Conductivity		896	µS/cm
2507011115B	pH		7.12	NA
2507011115B	Temperature		22.3	ºC
2507011115B	Transducer			ft
2507011115B	Turbidity		0.49	NTU

Well ID	WB-1-200	Event Date	5/15/2025	
Sample	**Parameter**		**Result**	**Units**
2505150915Y	Atmospheric Pressure		12.43	psia
2505150915Y	Conductivity		1424	µS/cm
2505150915Y	DTW		192.00	ft
2505150915Y	Formation Pressure			psia
2505150915Y	pH		7.84	NA
2505150915Y	Temperature		21.3	ºC
2505150915Y	Turbidity		1.45	NTU
2505151016Y	Atmospheric Pressure		12.43	psia
2505151016Y	Conductivity		1420	µS/cm
2505151016Y	DTW		192.15	ft
2505151016Y	Formation Pressure			psia
2505151016Y	pH		7.83	NA
2505151016Y	Temperature		21.3	ºC
2505151016Y	Turbidity		1.38	NTU

Well ID	WB-1-255	Event Date	5/15/2025	
Sample	**Parameter**		**Result**	**Units**
2505151330Y	Atmospheric Pressure		12.48	psia
2505151330Y	Conductivity		1419	µS/cm
2505151330Y	DTW		192.15	ft
2505151330Y	pH		7.72	NA
2505151330Y	Temperature		21.9	ºC
2505151330Y	Turbidity		0.88	NTU
2505151435Y	Atmospheric Pressure		12.48	psia
2505151435Y	Conductivity		1423	µS/cm
2505151435Y	DTW		192.24	ft
2505151435Y	pH		7.68	NA
2505151435Y	Temperature		21.9	ºC
2505151435Y	Turbidity		0.84	NTU

Well ID	WB-1-330	Event Date	5/21/2025	
Sample	**Parameter**		**Result**	**Units**
2505211048Y	Conductivity		1492	µS/cm
2505211048Y	DTW		192.24	ft
2505211048Y	pH		7.91	NA
2505211048Y	Temperature		22.4	ºC
2505211048Y	Turbidity		1.45	NTU
2505211344Y	Conductivity		1486	µS/cm
2505211344Y	DTW		192.31	ft
2505211344Y	pH		7.84	NA
2505211344Y	Temperature		22.5	ºC
2505211344Y	Turbidity		1.33	NTU

Well ID	WW-1-452	Event Date	6/17/2025	
Sample	**Parameter**		**Result**	**Units**
2506171330A	Conductivity		1106	µS/cm
2506171330A	DTW		428.50	ft
2506171330A	pH		7.63	NA
2506171330A	Temperature		24.4	ºC
2506171330A	Turbidity		2.22	NTU
2506171332A	Conductivity		1104	µS/cm
2506171332A	DTW		428.50	ft
2506171332A	pH		7.65	NA
2506171332A	Temperature		24.4	ºC
2506171332A	Turbidity		1.15	NTU
2506171334A	Conductivity		1108	µS/cm
2506171334A	DTW		428.50	ft
2506171334A	pH		7.70	NA
2506171334A	Temperature		24.4	ºC
2506171334A	Turbidity		1.01	NTU

Well ID	WW-2-489	Event Date	6/16/2025	
Sample	**Parameter**		**Result**	**Units**
2506160815C	Conductivity		1137	µS/cm
2506160815C	DTW			ft
2506160815C	pH		8.64	NA
2506160815C	Temperature		22.3	ºC
2506160815C	Turbidity		5.82	NTU
2506160818C	Conductivity		1138	µS/cm
2506160818C	DTW			ft
2506160818C	pH		8.68	NA
2506160818C	Temperature		22.6	ºC
2506160818C	Turbidity		3.75	NTU
2506160821C	Conductivity		1141	µS/cm
2506160821C	DTW			ft
2506160821C	pH		8.72	NA
2506160821C	Temperature		22.8	ºC
2506160821C	Turbidity		3.40	NTU

Well ID	WW-2-664	Event Date	6/16/2025	
Sample	**Parameter**		**Result**	**Units**
2506160945C	Conductivity		1128	µS/cm
2506160945C	DTW			ft
2506160945C	pH		8.15	NA
2506160945C	Temperature		22.9	ºC
2506160945C	Turbidity		2.72	NTU
2506160948C	Conductivity		1123	µS/cm
2506160948C	DTW			ft
2506160948C	pH		8.10	NA
2506160948C	Temperature		23.2	ºC
2506160948C	Turbidity		2.49	NTU
2506160951C	Conductivity		1119	µS/cm
2506160951C	DTW			ft
2506160951C	pH		8.07	NA
2506160951C	Temperature		23.4	ºC
2506160951C	Turbidity		2.23	NTU

Well ID	WW-3-469	Event Date	6/5/2025	
Sample	**Parameter**		**Result**	**Units**
2506051100Y	Atmospheric Pressure		12.49	psia
2506051100Y	Conductivity		1363	µS/cm
2506051100Y	DTW		415.51	ft
2506051100Y	Formation Pressure		NA	psia
2506051100Y	pH		7.94	NA
2506051100Y	Temperature		24.4	ºC
2506051100Y	Turbidity		0.54	NTU
2506051341Y	Atmospheric Pressure		12.52	psia
2506051341Y	Conductivity		1378	µS/cm
2506051341Y	DTW		415.57	ft
2506051341Y	Formation Pressure			psia
2506051341Y	pH		7.82	NA
2506051341Y	Temperature		24.8	ºC
2506051341Y	Turbidity		0.47	NTU

Well ID	WW-3-569	Event Date	6/5/2025	
Sample	**Parameter**		**Result**	**Units**
2506050915Y	Atmospheric Pressure		12.49	psia
2506050915Y	Conductivity		1513	µS/cm
2506050915Y	DTW		415.43	ft
2506050915Y	Formation Pressure			psia
2506050915Y	pH		7.58	NA
2506050915Y	Temperature		24.5	ºC
2506050915Y	Turbidity		0.53	NTU
2506050947Y	Atmospheric Pressure		12.47	psia
2506050947Y	Conductivity		1504	µS/cm
2506050947Y	DTW		415.51	ft
2506050947Y	Formation Pressure			psia
2506050947Y	pH		7.53	NA
2506050947Y	Temperature		24.8	ºC
2506050947Y	Turbidity		0.49	NTU

Well ID	WW-4-419	Event Date	5/12/2025	
Sample	**Parameter**		**Result**	**Units**
2505121250B	Conductivity		1091	µS/cm
2505121250B	pH		7.87	NA
2505121250B	Temperature		24.4	ºC
2505121250B	Transducer		NA	ft
2505121250B	Turbidity		1.31	NTU
2505121335B	Conductivity		1088	µS/cm
2505121335B	pH		7.28	NA
2505121335B	Temperature		23.4	ºC
2505121335B	Transducer		NA	ft
2505121335B	Turbidity		1.07	NTU

Well ID	WW-4-589	Event Date	5/12/2025	
Sample	**Parameter**		**Result**	**Units**
2505121258B	Conductivity		1019	µS/cm
2505121258B	pH		7.34	NA
2505121258B	Temperature		23.2	ºC
2505121258B	Transducer		NA	ft
2505121258B	Turbidity		1.19	NTU
2505121340B	Conductivity		1020	µS/cm
2505121340B	pH		7.34	NA
2505121340B	Temperature		23.5	ºC
2505121340B	Transducer		NA	ft
2505121340B	Turbidity		1.07	NTU

Well ID	WW-4-848	Event Date	5/13/2025	
Sample	**Parameter**		**Result**	**Units**
2505131040B	Conductivity		851	µS/cm
2505131040B	pH		8.64	NA
2505131040B	Temperature		23.8	ºC
2505131040B	Transducer		NA	ft
2505131040B	Turbidity		0.80	NTU
2505131145B	Conductivity		945	µS/cm
2505131145B	pH		8.13	NA
2505131145B	Temperature		23.1	ºC
2505131145B	Transducer		NA	ft
2505131145B	Turbidity		0.98	NTU

Well ID	WW-4-948	Event Date	5/13/2025	
Sample	**Parameter**		**Result**	**Units**
2505131044B	Conductivity		1060	µS/cm
2505131044B	pH		7.92	NA
2505131044B	Temperature		22.5	ºC
2505131044B	Transducer		NA	ft
2505131044B	Turbidity		0.55	NTU
2505131150B	Conductivity		1074	µS/cm
2505131150B	pH		7.71	NA
2505131150B	Temperature		23.7	ºC
2505131150B	Transducer		NA	ft
2505131150B	Turbidity		0.85	NTU

Well ID	WW-5-459	Event Date	7/7/2025	
Sample	**Parameter**		**Result**	**Units**
2507071045B	Conductivity		1299	µS/cm
2507071045B	pH		7.24	NA
2507071045B	Temperature		26.4	ºC
2507071045B	Transducer			ft
2507071045B	Turbidity		0.44	NTU
2507071115B	Conductivity		1310	µS/cm
2507071115B	pH		7.27	NA
2507071115B	Temperature		25.9	ºC
2507071115B	Transducer			ft
2507071115B	Turbidity		0.47	NTU

Well ID	WW-5-579	Event Date	7/7/2025	
Sample	**Parameter**		**Result**	**Units**
2507071110B	Conductivity		1180	µS/cm
2507071110B	pH		7.36	NA
2507071110B	Temperature		23.2	ºC
2507071110B	Transducer			ft
2507071110B	Turbidity		0.43	NTU
2507071140B	Conductivity		1208	µS/cm
2507071140B	pH		7.40	NA
2507071140B	Temperature		23.8	ºC
2507071140B	Transducer			ft
2507071140B	Turbidity		0.43	NTU

Well ID	WW-5-809	Event Date	7/9/2025	
Sample	**Parameter**		**Result**	**Units**
2507091030B	Conductivity		1116	µS/cm
2507091030B	pH		8.43	NA
2507091030B	Temperature		28.1	ºC
2507091030B	Transducer			ft
2507091030B	Turbidity		2.26	NTU
2507091100B	Conductivity		1101	µS/cm
2507091100B	pH		8.53	NA
2507091100B	Temperature		27.6	ºC
2507091100B	Transducer			ft
2507091100B	Turbidity		2.25	NTU

Well ID	WW-5-909	Event Date	7/9/2025	
Sample	**Parameter**		**Result**	**Units**
2507091050B	Conductivity		1473	µS/cm
2507091050B	pH		8.31	NA
2507091050B	Temperature		25.8	ºC
2507091050B	Transducer			ft
2507091050B	Turbidity		1.08	NTU
2507091120B	Conductivity		1468	µS/cm
2507091120B	pH		8.32	NA
2507091120B	Temperature		25.4	ºC
2507091120B	Transducer			ft
2507091120B	Turbidity		1.44	NTU

Appendix A.2
Monitor Well Analytical Data

Detections for Monitoring Well Sampling Events in this Reporting Period

Analytical Results for Sampling Events at 100-001-GW

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/16/2025	8260	2507161023A	Argon	6.3	ug/L	NA	NA		J TIC
7/16/2025	8260	2507161023A	Dichlorofluoromethane (CFC 21)	0.79	ug/L	1.0	0.20		J
7/16/2025	8260	2507161023A	Dichloromethane	0.71	ug/L	1.0	0.65		J
7/16/2025	8260	2507161023A	1,1,2-Trichloro-1,2,2-Trifluoroethane	8.1	ug/L	1.0	0.20		
7/16/2025	8260	2507161023A	1,1-Dichloroethene	1	ug/L	1.0	0.20		J
7/16/2025	8260	2507161023A	Trichlorofluoromethane (CFC 11)	28	ug/L	1.0	0.24		
7/16/2025	8260	2507161023A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.28	ug/L	1.0	0.20		J
7/16/2025	METALS	2507161028A	Strontium, Total	2.53	mg/L	0.10	0.002		
7/16/2025	METALS	2507161028A	Vanadium, Total	0.016	mg/L	0.050	0.0007		J
7/16/2025	METALS	2507161028A	Sodium, Total	63.6	mg/L	1.0	0.5		
7/16/2025	METALS	2507161028A	Potassium, Total	2.3	mg/L	2.0	0.4		
7/16/2025	METALS	2507161028A	Nickel, Total	0.034	mg/L	0.040	0.003		J
7/16/2025	METALS	2507161028A	Molybdenum, Total	0.027	mg/L	0.025	0.003		
7/16/2025	METALS	2507161028A	Chromium, Total	0.003	mg/L	0.010	0.002		J
7/16/2025	METALS	2507161028A	Calcium, Total	47	mg/L	1.0	0.3		
7/16/2025	METALS	2507161028A	Boron, Total	0.1	mg/L	0.20	0.02		J
7/16/2025	METALS	2507161028A	Barium, Total	0.023	mg/L	0.020	0.003		
7/16/2025	METALS	2507161028A	Antimony, Total	0.0004	mg/L	0.0010	0.0002		J
7/16/2025	METALS	2507161028A	Arsenic, Total	0.0035	mg/L	0.0010	0.0004		
7/16/2025	METALS	2507161028A	Zinc, Total	0.022	mg/L	0.020	0.003		
7/16/2025	METALS	2507161028A	Magnesium, Total	34.9	mg/L	1.0	0.03		
7/16/2025	ANIONS	2507161029A	Alkalinity, Total as CaCO3	160	mg/L	2.0	1.8		
7/16/2025	ANIONS	2507161029A	Chloride	42.4	mg/L	2.0	0.5		
7/16/2025	ANIONS	2507161029A	Fluoride, undistilled	0.57	mg/L	0.10	0.010		
7/16/2025	ANIONS	2507161029A	Sulfate	170	mg/L	20	4		
7/16/2025	SM2540C	2507161030A	Total Dissolved Solids (TDS)	520	mg/L	10	9		
7/16/2025	6850	2507161031A	Perchlorate	0.44	ug/L	0.20	0.019		
7/16/2025	353.2	2507161032A	Nitrate+Nitrite as Nitrogen	1.32	mg/L	0.050	0.002		

Analytical Results for Sampling Events at 100-E-261

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/17/2025	8260	2506170840A	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.98	ug/L	1.0	0.20		J
6/17/2025	8260	2506170840A	Trimethylsilyl fluoride	1.5	ug/L	NA	NA		J TIC
6/17/2025	8270	2506170844A	Butane, 2-methoxy-2-methyl-	490	ug/L	NA	NA		J RB TIC
6/17/2025	8270	2506170844A	Ethanol, 2-(2-ethoxyethoxy)-	6.9	ug/L	NA	NA		J RB TIC
6/17/2025	8270	2506170844A	Carbonic acid, dodecyl isobutyl ester	3.6	ug/L	NA	NA		J TIC
6/17/2025	METALS	2506170845A	Molybdenum, Total	0.018	mg/L	0.025	0.003		J
6/17/2025	METALS	2506170845A	Antimony, Total	0.0003	mg/L	0.0010	0.0002		J
6/17/2025	METALS	2506170845A	Sodium, Total	40.7	mg/L	1.0	0.3		
6/17/2025	METALS	2506170845A	Strontium, Total	5.92	mg/L	0.10	0.002		
6/17/2025	METALS	2506170845A	Potassium, Total	2.9	mg/L	2.0	0.4		
6/17/2025	METALS	2506170845A	Nickel, Total	0.026	mg/L	0.040	0.003		J
6/17/2025	METALS	2506170845A	Chromium, Total	0.009	mg/L	0.010	0.002		J
6/17/2025	METALS	2506170845A	Calcium, Total	108	mg/L	1.0	0.3		
6/17/2025	METALS	2506170845A	Zinc, Total	0.033	mg/L	0.020	0.003		RB FB
6/17/2025	METALS	2506170845A	Boron, Total	0.16	mg/L	0.20	0.02		J
6/17/2025	METALS	2506170845A	Barium, Total	0.028	mg/L	0.020	0.003		
6/17/2025	METALS	2506170845A	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
6/17/2025	METALS	2506170845A	Magnesium, Total	66.5	mg/L	1.0	0.03		
6/17/2025	METALS	2506170846A	Calcium, Total	107	mg/L	1.0	0.3		
6/17/2025	METALS	2506170846A	Zinc, Total	0.033	mg/L	0.020	0.003		RB FB
6/17/2025	METALS	2506170846A	Strontium, Total	5.89	mg/L	0.10	0.002		
6/17/2025	METALS	2506170846A	Sodium, Total	40.6	mg/L	1.0	0.3		
6/17/2025	METALS	2506170846A	Potassium, Total	2.8	mg/L	2.0	0.4		
6/17/2025	METALS	2506170846A	Nickel, Total	0.026	mg/L	0.040	0.003		J
6/17/2025	METALS	2506170846A	Molybdenum, Total	0.017	mg/L	0.025	0.003		J
6/17/2025	METALS	2506170846A	Chromium, Total	0.008	mg/L	0.010	0.002		J
6/17/2025	METALS	2506170846A	Boron, Total	0.15	mg/L	0.20	0.02		J
6/17/2025	METALS	2506170846A	Barium, Total	0.028	mg/L	0.020	0.003		
6/17/2025	METALS	2506170846A	Arsenic, Total	0.001	mg/L	0.0010	0.0004		J
6/17/2025	METALS	2506170846A	Antimony, Total	0.0003	mg/L	0.0010	0.0002		J
6/17/2025	METALS	2506170846A	Magnesium, Total	66.4	mg/L	1.0	0.03		

Analytical Results for Sampling Events at 100-F-358

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/10/2025	8260_LL	2507101420A	Carbon Dioxide	27	ug/L	NA	NA		J RB TIC FB

Analytical Results for Sampling Events at 100-G-223

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/10/2025	8260_LL	2507101030A	Carbon Dioxide	30	ug/L	NA	NA		J RB TIC FB
7/10/2025	8260_LL	2507101030A	Trimethylsilyl fluoride	7.5	ug/L	NA	NA		J TIC
7/10/2025	8270	2507101034A	Butane, 2-methoxy-2-methyl-	630	ug/L	NA	NA		J RB TIC
7/10/2025	8015	2507101036A	Gasoline Range Organics as C6-C10 Commercial Fuel	56	ug/L	100	29		J RB

Analytical Results for Sampling Events at 300-001-GSV

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/11/2025	8260	2506111010A	Trichlorofluoromethane (CFC 11)	48	ug/L	1.0	0.24		A
6/11/2025	8260	2506111010A	1-Methyl-1H-1,2,4-triazole	1.3	ug/L	NA	NA		J TIC
6/11/2025	8260	2506111010A	1,1,2-Trichloro-1,2,2-Trifluoroethane	6.9	ug/L	1.0	0.20		
6/11/2025	8260	2506111010A	Dichlorofluoromethane (CFC 21)	0.47	ug/L	1.0	0.20		J
6/11/2025	607	2506111012A	N-Nitrosodimethylamine	10.7	µg/L	0.0096	0.0048	51	G R
6/11/2025	607	2506111012A	N-Nitrodimethylamine	51.71	µg/L	0.0096	0.0048	79	G R
6/11/2025	607	2506111012A	Bromacil	0.56	µg/L	0.0096	0.0048	129	
6/11/2025	607	2506111012A	N-Nitrosodimethylamine	10	µg/L	0.77	0.38	51	D
6/11/2025	607	2506111012A	N-Nitrodimethylamine	57.38	µg/L	0.77	0.38	79	D
6/11/2025	8270	2506111013A	Cyclohexane	32	ug/L	NA	NA		J RB TIC
6/11/2025	8270	2506111013A	1,3-Diazabicyclo[3.1.0]hexane	30	ug/L	NA	NA		J TIC
6/11/2025	8270	2506111013A	Ethane, 1,1,2,2-tetrachloro-	14	ug/L	NA	NA		J TIC
6/11/2025	8270	2506111013A	Methanamine, N-methyl-N-nitro-	24	ug/L	NA	NA		J TIC
6/11/2025	8270	2506111013A	Butane, 2-methoxy-2-methyl-	480	ug/L	NA	NA		J RB TIC
6/11/2025	8270	2506111013A	N-Nitrosodimethylamine	18	ug/L	10	1.0		
6/11/2025	8270	2506111013A	1-Methyl-1H-1,2,4-triazole	31	ug/L	NA	NA		J TIC
6/11/2025	METALS	2506111014A	Nickel, Total	0.032	mg/L	0.040	0.003		J
6/11/2025	METALS	2506111014A	Barium, Total	0.046	mg/L	0.020	0.003		
6/11/2025	METALS	2506111014A	Arsenic, Total	0.0012	mg/L	0.0010	0.0004		
6/11/2025	METALS	2506111014A	Zinc, Total	0.007	mg/L	0.020	0.003		J RB
6/11/2025	METALS	2506111014A	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
6/11/2025	METALS	2506111014A	Thallium, Total	0.0002	mg/L	0.0010	0.00004		J
6/11/2025	METALS	2506111014A	Strontium, Total	1.8	mg/L	0.10	0.002		
6/11/2025	METALS	2506111014A	Potassium, Total	3.5	mg/L	2.0	0.4		
6/11/2025	METALS	2506111014A	Molybdenum, Total	0.006	mg/L	0.025	0.003		J
6/11/2025	METALS	2506111014A	Magnesium, Total	64.5	mg/L	1.0	0.03		
6/11/2025	METALS	2506111014A	Cobalt, Total	0.0009	mg/L	0.050	0.0009		J
6/11/2025	METALS	2506111014A	Calcium, Total	93.1	mg/L	1.0	0.3		
6/11/2025	METALS	2506111014A	Boron, Total	0.27	mg/L	0.20	0.02		
6/11/2025	METALS	2506111014A	Sodium, Total	125	mg/L	1.0	0.3		
6/11/2025	ANIONS	2506111015A	Alkalinity, Total as CaCO3	259	mg/L	2.0	1.8		
6/11/2025	ANIONS	2506111015A	Chloride	47.2	mg/L	2.0	0.5		
6/11/2025	ANIONS	2506111015A	Fluoride, undistilled	0.75	mg/L	0.10	0.010		
6/11/2025	ANIONS	2506111015A	Sulfate	267	mg/L	20	4		
6/11/2025	SM2540C	2506111016A	Total Dissolved Solids (TDS)	1090	mg/L	11	10		
6/11/2025	6850	2506111017A	Perchlorate	0.45	ug/L	0.20	0.019		
6/11/2025	353.2	2506111018A	Nitrate+Nitrite as Nitrogen	58.8	mg/L	2.5	0.08		

Analytical Results for Sampling Events at 300-002-GSV

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/12/2025	8260	2506121010A	1,1,2-Trichloro-1,2,2-Trifluoroethane	11	ug/L	1.0	0.20		
6/12/2025	8260	2506121010A	Dichlorofluoromethane (CFC 21)	47	ug/L	1.0	0.20		
6/12/2025	8260	2506121010A	Trichloroethene (TCE)	0.58	ug/L	1.0	0.20		J
6/12/2025	8260	2506121010A	Trichlorofluoromethane (CFC 11)	65	ug/L	1.0	0.24		
6/12/2025	8260	2506121010A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	3.5	ug/L	1.0	0.20		
6/12/2025	607	2506121012A	Bromacil	0.42	µg/L	0.0094	0.0047	110	
6/12/2025	607	2506121012A	N-Nitrosodimethylamine	0.27	µg/L	0.0094	0.0047	50	
6/12/2025	607	2506121012A	N-Nitrodimethylamine	0.97	µg/L	0.0094	0.0047	79	
6/12/2025	8270	2506121013A	Carbonic acid, dodecyl isobutyl ester	5.6	ug/L	NA	NA		J TIC
6/12/2025	8270	2506121013A	Heptaethylene glycol monododecyl ether	7.1	ug/L	NA	NA		J TIC
6/12/2025	8270	2506121013A	Butane, 2-methoxy-2-methyl-	440	ug/L	NA	NA		J RB TIC
6/12/2025	8270	2506121013A	Triethylene glycol monododecyl ether	8.3	ug/L	NA	NA		J TIC
6/12/2025	8270	2506121013A	Octaethylene glycol monododecyl ether	6.9	ug/L	NA	NA		J TIC
6/12/2025	METALS	2506121014A	Manganese, Total	0.349	mg/L	0.010	0.004		
6/12/2025	METALS	2506121014A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/12/2025	METALS	2506121014A	Thallium, Total	0.0007	mg/L	0.0010	0.00004		J
6/12/2025	METALS	2506121014A	Strontium, Total	1.84	mg/L	0.10	0.002		
6/12/2025	METALS	2506121014A	Sodium, Total	50.2	mg/L	1.0	0.3		
6/12/2025	METALS	2506121014A	Potassium, Total	2.5	mg/L	2.0	0.4		
6/12/2025	METALS	2506121014A	Molybdenum, Total	0.034	mg/L	0.025	0.003		
6/12/2025	METALS	2506121014A	Magnesium, Total	58.5	mg/L	1.0	0.03		
6/12/2025	METALS	2506121014A	Calcium, Total	101	mg/L	1.0	0.3		
6/12/2025	METALS	2506121014A	Boron, Total	0.11	mg/L	0.20	0.02		J
6/12/2025	METALS	2506121014A	Barium, Total	0.033	mg/L	0.020	0.003		
6/12/2025	METALS	2506121014A	Arsenic, Total	0.0011	mg/L	0.0010	0.0004		
6/12/2025	METALS	2506121014A	Antimony, Total	0.0006	mg/L	0.0010	0.0002		J RB
6/12/2025	METALS	2506121014A	Zinc, Total	0.017	mg/L	0.020	0.003		J RB
6/12/2025	METALS	2506121014A	Nickel, Total	0.024	mg/L	0.040	0.003		J
6/12/2025	ANIONS	2506121015A	Sulfate	281	mg/L	20	4		
6/12/2025	ANIONS	2506121015A	Fluoride, undistilled	1	mg/L	0.10	0.010		
6/12/2025	ANIONS	2506121015A	Chloride	57.1	mg/L	2.0	0.5		
6/12/2025	ANIONS	2506121015A	Alkalinity, Total as CaCO3	225	mg/L	2.0	1.8		
6/12/2025	SM2540C	2506121016A	Total Dissolved Solids (TDS)	741	mg/L	10	9		
6/12/2025	6850	2506121017A	Perchlorate	0.093	ug/L	0.20	0.019		J
6/12/2025	353.2	2506121018A	Nitrate+Nitrite as Nitrogen	0.47	mg/L	0.050	0.002		

Analytical Results for Sampling Events at 300-F-175

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/14/2025	8260_LL	2507141420A	Sulfur Dioxide	0.88	ug/L	NA	NA		J RB TIC TB
7/14/2025	8260_LL	2507141420A	Silane, methoxytrimethyl-	0.93	ug/L	NA	NA		J TIC

Analytical Results for Sampling Events at 400-001-GW

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/22/2025	8260	2505221325C	1,1,2-Trichloro-1,2,2-Trifluoroethane	20	ug/L	1.0	0.20		
5/22/2025	8260	2505221325C	Dichlorofluoromethane (CFC 21)	1.1	ug/L	1.0	0.20		
5/22/2025	8260	2505221325C	Trichloroethene (TCE)	4.8	ug/L	1.0	0.20		
5/22/2025	8260	2505221325C	Trichlorofluoromethane (CFC 11)	140	ug/L	1.0	0.24		
5/22/2025	8260	2505221325C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.39	ug/L	1.0	0.20		J
5/22/2025	607	2505221329C	N-Nitrodimethylamine	3.2	µg/L	0.0095	0.0048	81	
5/22/2025	607	2505221329C	Bromacil	1.95	µg/L	0.0095	0.0048	134	
5/22/2025	607	2505221329C	N-Nitrosodimethylamine	2.63	µg/L	0.0095	0.0048	54	
5/22/2025	8270	2505221332C	Butanoic acid, 3-methyl-, butyl ester	7.7	ug/L	NA	NA		J TIC
5/22/2025	8270	2505221332C	Cyclohexane	20	ug/L	NA	NA		J RB TIC
5/22/2025	8270	2505221332C	Butane, 2-methoxy-2-methyl-	750	ug/L	NA	NA		J RB TIC
5/22/2025	8270	2505221332C	1,2-BenzenedicarboxylicAcid,mono(2ethylhexyl)ester	4.6	ug/L	NA	NA		J TIC
5/22/2025	8270	2505221332C	N-Nitrosodimethylamine	4.7	ug/L	10	1.0		J
5/22/2025	METALS	2505221335C	Potassium, Total	3.4	mg/L	2.0	0.4		
5/22/2025	METALS	2505221335C	Arsenic, Total	0.0013	mg/L	0.0010	0.0004		
5/22/2025	METALS	2505221335C	Barium, Total	0.034	mg/L	0.020	0.003		
5/22/2025	METALS	2505221335C	Aluminum, Total	0.3	mg/L	0.10	0.03		RB
5/22/2025	METALS	2505221335C	Zinc, Total	0.022	mg/L	0.020	0.003		RB
5/22/2025	METALS	2505221335C	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
5/22/2025	METALS	2505221335C	Strontium, Total	3.58	mg/L	0.10	0.002		
5/22/2025	METALS	2505221335C	Sodium, Total	70.4	mg/L	1.0	0.3		
5/22/2025	METALS	2505221335C	Nickel, Total	0.029	mg/L	0.040	0.003		J
5/22/2025	METALS	2505221335C	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
5/22/2025	METALS	2505221335C	Manganese, Total	0.008	mg/L	0.010	0.004		J
5/22/2025	METALS	2505221335C	Magnesium, Total	68.8	mg/L	1.0	0.03		
5/22/2025	METALS	2505221335C	Iron, Total	0.22	mg/L	0.10	0.07		RB
5/22/2025	METALS	2505221335C	Chromium, Total	0.004	mg/L	0.010	0.002		J
5/22/2025	METALS	2505221335C	Boron, Total	0.18	mg/L	0.20	0.02		J
5/22/2025	METALS	2505221335C	Calcium, Total	94.3	mg/L	1.0	0.3		
5/22/2025	ANIONS	2505221337C	Alkalinity, Total as CaCO3	211	mg/L	2.0	1.8		
5/22/2025	ANIONS	2505221337C	Chloride	82.8	mg/L	2.0	0.5		
5/22/2025	ANIONS	2505221337C	Fluoride, undistilled	0.63	mg/L	0.10	0.010		
5/22/2025	ANIONS	2505221337C	Sulfate	334	mg/L	20	4		
5/22/2025	SM2540C	2505221339C	Total Dissolved Solids (TDS)	880	mg/L	11	10		
5/22/2025	6850	2505221342C	Perchlorate	0.81	ug/L	0.20	0.019		
5/22/2025	353.2	2505221344C	Nitrate+Nitrite as Nitrogen	5.67	mg/L	0.50	0.02		

Analytical Results for Sampling Events at 600A-001-GW-1

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/10/2025	8260	2506101000A	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.21	ug/L	1.0	0.20		J
6/10/2025	607	2506101002A	Bromacil	3.1	µg/L	0.0095	0.0048	129	
6/10/2025	8270	2506101003A	Cyclohexane	30	ug/L	NA	NA		J RB TIC
6/10/2025	8270	2506101003A	Butane, 2-methoxy-2-methyl-	430	ug/L	NA	NA		J RB TIC
6/10/2025	METALS	2506101004A	Strontium, Total	3.78	mg/L	0.10	0.002		
6/10/2025	METALS	2506101004A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/10/2025	METALS	2506101004A	Sodium, Total	43.5	mg/L	1.0	0.3		
6/10/2025	METALS	2506101004A	Selenium, Total	0.016	mg/L	0.010	0.007		
6/10/2025	METALS	2506101004A	Potassium, Total	3.5	mg/L	2.0	0.4		
6/10/2025	METALS	2506101004A	Nickel, Total	0.029	mg/L	0.040	0.003		J
6/10/2025	METALS	2506101004A	Molybdenum, Total	0.014	mg/L	0.025	0.003		J
6/10/2025	METALS	2506101004A	Manganese, Total	0.005	mg/L	0.010	0.004		J
6/10/2025	METALS	2506101004A	Iron, Total	0.36	mg/L	0.10	0.07		
6/10/2025	METALS	2506101004A	Chromium, Total	0.003	mg/L	0.010	0.002		J
6/10/2025	METALS	2506101004A	Calcium, Total	126	mg/L	1.0	0.3		
6/10/2025	METALS	2506101004A	Boron, Total	0.08	mg/L	0.20	0.02		J
6/10/2025	METALS	2506101004A	Barium, Total	0.044	mg/L	0.020	0.003		
6/10/2025	METALS	2506101004A	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
6/10/2025	METALS	2506101004A	Zinc, Total	0.019	mg/L	0.020	0.003		J RB
6/10/2025	METALS	2506101004A	Antimony, Total	0.0013	mg/L	0.0010	0.0002		
6/10/2025	METALS	2506101004A	Aluminum, Total	0.25	mg/L	0.10	0.03		
6/10/2025	METALS	2506101004A	Magnesium, Total	78.4	mg/L	1.0	0.03		
6/10/2025	ANIONS	2506101005A	Alkalinity, Total as CaCO3	109	mg/L	2.0	1.8		
6/10/2025	ANIONS	2506101005A	Chloride	254	mg/L	20	5		
6/10/2025	ANIONS	2506101005A	Fluoride, undistilled	1.23	mg/L	0.10	0.010		
6/10/2025	ANIONS	2506101005A	Sulfate	341	mg/L	20	4		
6/10/2025	SM2540C	2506101006A	Total Dissolved Solids (TDS)	966	mg/L	13	12		
6/10/2025	6850	2506101007A	Perchlorate	1.6	ug/L	0.20	0.019		
6/10/2025	353.2	2506101008A	Nitrate+Nitrite as Nitrogen	2.85	mg/L	0.25	0.008		

Analytical Results for Sampling Events at 600A-002-GW-1

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/10/2025	8260	2506101420A	Silane, methoxytrimethyl-	0.86	ug/L	NA	NA		J TIC
6/10/2025	607	2506101422A	Bromacil	0.03	µg/L	0.0096	0.0048	129	
6/10/2025	8270	2506101423A	Cyclohexane	32	ug/L	NA	NA		J RB TIC
6/10/2025	8270	2506101423A	Butane, 2-methoxy-2-methyl-	440	ug/L	NA	NA		J RB TIC
6/10/2025	8270	2506101423A	1,2-BenzenedicarboxylicAcid,mono(2ethylhexyl)ester	3	ug/L	NA	NA		J TIC
6/10/2025	8270	2506101423A	n-Hexadecanoic acid	4.4	ug/L	NA	NA		J TIC
6/10/2025	METALS	2506101424A	Copper, Total	0.005	mg/L	0.020	0.004		J
6/10/2025	METALS	2506101424A	Zinc, Total	0.027	mg/L	0.020	0.003		RB
6/10/2025	METALS	2506101424A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/10/2025	METALS	2506101424A	Strontium, Total	2.98	mg/L	0.10	0.002		
6/10/2025	METALS	2506101424A	Sodium, Total	39.3	mg/L	1.0	0.3		
6/10/2025	METALS	2506101424A	Potassium, Total	3.3	mg/L	2.0	0.4		
6/10/2025	METALS	2506101424A	Nickel, Total	0.027	mg/L	0.040	0.003		J
6/10/2025	METALS	2506101424A	Molybdenum, Total	0.015	mg/L	0.025	0.003		J
6/10/2025	METALS	2506101424A	Calcium, Total	94.5	mg/L	1.0	0.3		
6/10/2025	METALS	2506101424A	Boron, Total	0.11	mg/L	0.20	0.02		J
6/10/2025	METALS	2506101424A	Barium, Total	0.031	mg/L	0.020	0.003		
6/10/2025	METALS	2506101424A	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
6/10/2025	METALS	2506101424A	Antimony, Total	0.0005	mg/L	0.0010	0.0002		J
6/10/2025	METALS	2506101424A	Magnesium, Total	60.5	mg/L	1.0	0.03		
6/10/2025	ANIONS	2506101425A	Chloride	183	mg/L	20	5		
6/10/2025	ANIONS	2506101425A	Fluoride, undistilled	1.27	mg/L	0.10	0.010		
6/10/2025	ANIONS	2506101425A	Alkalinity, Total as CaCO3	117	mg/L	2.0	1.8		
6/10/2025	ANIONS	2506101425A	Sulfate	217	mg/L	20	4		
6/10/2025	SM2540C	2506101426A	Total Dissolved Solids (TDS)	686	mg/L	10	9		
6/10/2025	6850	2506101427A	Perchlorate	2.1	ug/L	0.20	0.019		
6/10/2025	353.2	2506101428A	Nitrate+Nitrite as Nitrogen	5.96	mg/L	0.50	0.02		

Analytical Results for Sampling Events at 600A-004-GW

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/15/2025	8260	2507151325C	Trimethylsilyl fluoride	5.1	ug/L	NA	NA		J TIC
7/15/2025	8260	2507151325C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.1	ug/L	1.0	0.20		
7/15/2025	8260	2507151325C	Silane, methoxytrimethyl-	4.7	ug/L	NA	NA		J TIC FB
7/15/2025	8260	2507151325C	N-Methyltaurine	0.5	ug/L	NA	NA		J TIC
7/15/2025	8260	2507151325C	Trichloroethene (TCE)	24	ug/L	1.0	0.20		
7/15/2025	8260	2507151325C	1,1-Dichloroethene	0.29	ug/L	1.0	0.20		J
7/15/2025	8260	2507151325C	1,1,2-Trichloro-1,2,2-Trifluoroethane	64	ug/L	1.0	0.20		
7/15/2025	8260	2507151325C	Trichlorofluoromethane (CFC 11)	0.28	ug/L	1.0	0.24		J
7/15/2025	607	2507151327C	Bromacil	9.03	µg/L	0.19	0.095	108	D
7/15/2025	607	2507151327C	Bromacil	10.7	µg/L	0.0095	0.0048	108	G R
7/15/2025	8270	2507151328C	Terephthalic acid, di(2-ethylhexyl) ester	0.38	ug/L	NA	NA		J RB TIC
7/15/2025	8270	2507151328C	Bromacil	2.7	ug/L	NA	NA		J TIC
7/15/2025	8270	2507151328C	n-Hexadecanoic acid	0.72	ug/L	NA	NA		J RB TIC
7/15/2025	8270	2507151328C	11-Tridecenyl propionate	1.1	ug/L	NA	NA		J RB TIC
7/15/2025	8270	2507151328C	Toluene	5	ug/L	NA	NA		J RB TIC
7/15/2025	8270	2507151328C	Butane, 1,1'-[oxybis(2,1-ethanediyloxy)]bis-	0.5	ug/L	NA	NA		J TIC
7/15/2025	8270	2507151328C	Stearic Acid (Octadecanoic Acid)	0.44	ug/L	NA	NA		J RB TIC
7/15/2025	8270	2507151328C	Trichloroethene (TCE)	3.2	ug/L	NA	NA		J TIC
7/15/2025	8270	2507151328C	Butane, 2-methoxy-2-methyl-	1200	ug/L	NA	NA		J RB TIC
7/15/2025	8270	2507151328C	Cyclohexane	45	ug/L	NA	NA		J RB TIC
7/15/2025	8270	2507151328C	Acetic acid, 3-[1,3]dioxolan-2-ylpropyl ester	6.4	ug/L	NA	NA		J TIC
7/15/2025	METALS	2507151329C	Molybdenum, Total	0.016	mg/L	0.025	0.003		J
7/15/2025	METALS	2507151329C	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
7/15/2025	METALS	2507151329C	Strontium, Total	5.31	mg/L	0.10	0.002		
7/15/2025	METALS	2507151329C	Sodium, Total	216	mg/L	1.0	0.5		
7/15/2025	METALS	2507151329C	Selenium, Total	0.017	mg/L	0.010	0.007		
7/15/2025	METALS	2507151329C	Zinc, Total	0.008	mg/L	0.020	0.003		J
7/15/2025	METALS	2507151329C	Nickel, Total	0.026	mg/L	0.040	0.003		J
7/15/2025	METALS	2507151329C	Chromium, Total	0.002	mg/L	0.010	0.002		J
7/15/2025	METALS	2507151329C	Calcium, Total	151	mg/L	1.0	0.3		
7/15/2025	METALS	2507151329C	Boron, Total	1.33	mg/L	0.20	0.02		
7/15/2025	METALS	2507151329C	Barium, Total	0.038	mg/L	0.020	0.003		
7/15/2025	METALS	2507151329C	Arsenic, Total	0.0007	mg/L	0.0010	0.0004		J
7/15/2025	METALS	2507151329C	Potassium, Total	5.6	mg/L	2.0	0.4		
7/15/2025	METALS	2507151329C	Magnesium, Total	97.1	mg/L	1.0	0.03		
7/15/2025	ANIONS	2507151330C	Sulfate	754	mg/L	20	4		
7/15/2025	ANIONS	2507151330C	Alkalinity, Total as CaCO3	206	mg/L	2.0	1.8		
7/15/2025	ANIONS	2507151330C	Chloride	184	mg/L	20	5		

Analytical Results for Sampling Events at 600A-004-GW

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/15/2025	ANIONS	2507151330C	Fluoride, undistilled	1.55	mg/L	0.10	0.010		
7/15/2025	SM2540C	2507151331C	Total Dissolved Solids (TDS)	1740	mg/L	18	17		
7/15/2025	6850	2507151332C	Perchlorate	1.4	ug/L	0.20	0.019		
7/15/2025	353.2	2507151333C	Nitrate+Nitrite as Nitrogen	9.37	mg/L	0.50	0.02		

Analytical Results for Sampling Events at 600C-005-GW

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/16/2025	8260	2507161031C	Carbon Dioxide	79	ug/L	NA	NA		J TIC TB FB
7/16/2025	8260	2507161031C	Trimethylsilyl fluoride	1.2	ug/L	NA	NA		J TIC
7/16/2025	8260	2507161031C	Silane, methoxytrimethyl-	2.1	ug/L	NA	NA		J TIC
7/16/2025	METALS	2507161036C	Potassium, Total	2.9	mg/L	2.0	0.4		
7/16/2025	METALS	2507161036C	Calcium, Total	73.5	mg/L	1.0	0.3		
7/16/2025	METALS	2507161036C	Boron, Total	0.07	mg/L	0.20	0.02		J
7/16/2025	METALS	2507161036C	Barium, Total	0.02	mg/L	0.020	0.003		J
7/16/2025	METALS	2507161036C	Arsenic, Total	0.0007	mg/L	0.0010	0.0004		J
7/16/2025	METALS	2507161036C	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
7/16/2025	METALS	2507161036C	Nickel, Total	0.042	mg/L	0.040	0.003		
7/16/2025	METALS	2507161036C	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
7/16/2025	METALS	2507161036C	Magnesium, Total	51.2	mg/L	1.0	0.03		
7/16/2025	METALS	2507161036C	Strontium, Total	1.82	mg/L	0.10	0.002		
7/16/2025	METALS	2507161036C	Sodium, Total	36.7	mg/L	1.0	0.5		
7/16/2025	METALS	2507161037C	Magnesium, Total	48.4	mg/L	1.0	0.03		
7/16/2025	METALS	2507161037C	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
7/16/2025	METALS	2507161037C	Strontium, Total	1.72	mg/L	0.10	0.002		
7/16/2025	METALS	2507161037C	Sodium, Total	34.7	mg/L	1.0	0.5		
7/16/2025	METALS	2507161037C	Potassium, Total	2.8	mg/L	2.0	0.4		
7/16/2025	METALS	2507161037C	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
7/16/2025	METALS	2507161037C	Calcium, Total	69.6	mg/L	1.0	0.3		
7/16/2025	METALS	2507161037C	Boron, Total	0.07	mg/L	0.20	0.02		J
7/16/2025	METALS	2507161037C	Barium, Total	0.018	mg/L	0.020	0.003		J
7/16/2025	METALS	2507161037C	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
7/16/2025	METALS	2507161037C	Nickel, Total	0.04	mg/L	0.040	0.003		
7/16/2025	ANIONS	2507161038C	Sulfate	202	mg/L	20	4		
7/16/2025	ANIONS	2507161038C	Alkalinity, Total as CaCO3	222	mg/L	2.0	1.8		
7/16/2025	ANIONS	2507161038C	Chloride	29	mg/L	2.0	0.5		
7/16/2025	ANIONS	2507161038C	Fluoride, undistilled	0.77	mg/L	0.10	0.010		
7/16/2025	SM2540C	2507161039C	Total Dissolved Solids (TDS)	561	mg/L	10	9		
7/16/2025	6850	2507161040C	Perchlorate	0.42	ug/L	0.20	0.019		
7/16/2025	353.2	2507161041C	Nitrate+Nitrite as Nitrogen	1.29	mg/L	0.050	0.002		

Analytical Results for Sampling Events at 600-C-173

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/20/2025	8260	2505201410C	1,1,2-Trichloro-1,2,2-Trifluoroethane	55	ug/L	1.0	0.20		
5/20/2025	8260	2505201410C	Trichloroethene (TCE)	1.3	ug/L	1.0	0.20		
5/20/2025	8260	2505201410C	Trimethylsilyl fluoride	1.8	ug/L	NA	NA		J TIC QD
5/20/2025	8260	2505201412C	Silanol, trimethyl-	1.7	ug/L	NA	NA		J TIC QD
5/20/2025	8260	2505201412C	Trichloroethene (TCE)	1.4	ug/L	1.0	0.20		
5/20/2025	8260	2505201412C	Trimethylsilyl fluoride	6.2	ug/L	NA	NA		J TIC QD
5/20/2025	8260	2505201412C	1,1,2-Trichloro-1,2,2-Trifluoroethane	54	ug/L	1.0	0.20		
5/20/2025	607	2505201416C	Bromacil	0.47	µg/L	0.0097	0.0049	117	
5/20/2025	METALS	2505201418C	Selenium, Total	0.008	mg/L	0.010	0.007		J
5/20/2025	METALS	2505201418C	Nickel, Total	0.465	mg/L	0.040	0.003		
5/20/2025	METALS	2505201418C	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
5/20/2025	METALS	2505201418C	Strontium, Total	61.3	mg/L	1.0	0.02		
5/20/2025	METALS	2505201418C	Silver, Total	0.003	mg/L	0.010	0.0006		J
5/20/2025	METALS	2505201418C	Zinc, Total	0.013	mg/L	0.020	0.003		J
5/20/2025	METALS	2505201418C	Potassium, Total	16.9	mg/L	2.0	0.4		
5/20/2025	METALS	2505201418C	Manganese, Total	0.015	mg/L	0.010	0.004		
5/20/2025	METALS	2505201418C	Magnesium, Total	1210	mg/L	10	0.3		
5/20/2025	METALS	2505201418C	Iron, Total	0.15	mg/L	0.10	0.07		
5/20/2025	METALS	2505201418C	Chromium, Total	0.029	mg/L	0.010	0.002		
5/20/2025	METALS	2505201418C	Calcium, Total	1680	mg/L	10	3		
5/20/2025	METALS	2505201418C	Boron, Total	0.19	mg/L	0.20	0.02		J
5/20/2025	METALS	2505201418C	Barium, Total	0.371	mg/L	0.020	0.003		
5/20/2025	METALS	2505201418C	Molybdenum, Total	0.029	mg/L	0.025	0.003		
5/20/2025	METALS	2505201418C	Sodium, Total	637	mg/L	10	3		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/7/2025	8260	2505071050B	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.7	ug/L	1.0	0.20		
5/7/2025	8260	2505071050B	Trichloroethene (TCE)	31	ug/L	1.0	0.20		
5/7/2025	8260	2505071050B	Unknown	24	ug/L	NA	NA		J TIC
5/7/2025	8260	2505071051B	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.7	ug/L	1.0	0.20		
5/7/2025	8260	2505071051B	Unknown	25	ug/L	NA	NA		J TIC
5/7/2025	8260	2505071051B	Trichloroethene (TCE)	31	ug/L	1.0	0.20		
5/7/2025	8260	2505071051B	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.21	ug/L	1.0	0.20		J
5/7/2025	607	2505071053B	Bromacil	9.28	µg/L	0.0095	0.0048	129	G R
5/7/2025	607	2505071053B	Bromacil	11.93	µg/L	0.14	0.071	129	FB D SP
5/7/2025	METALS	2505071056B	Barium, Total	0.046	mg/L	0.020	0.003		
5/7/2025	METALS	2505071056B	Aluminum, Total	0.09	mg/L	0.10	0.03		J
5/7/2025	METALS	2505071056B	Magnesium, Total	102	mg/L	1.0	0.03		
5/7/2025	METALS	2505071056B	Molybdenum, Total	0.013	mg/L	0.025	0.003		J
5/7/2025	METALS	2505071056B	Iron, Total	0.18	mg/L	0.10	0.07		
5/7/2025	METALS	2505071056B	Chromium, Total	0.013	mg/L	0.010	0.002		
5/7/2025	METALS	2505071056B	Calcium, Total	141	mg/L	1.0	0.3		
5/7/2025	METALS	2505071056B	Boron, Total	0.71	mg/L	0.20	0.02		
5/7/2025	METALS	2505071056B	Arsenic, Total	0.002	mg/L	0.0010	0.0004		
5/7/2025	METALS	2505071056B	Zinc, Total	0.004	mg/L	0.020	0.003		J
5/7/2025	METALS	2505071056B	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
5/7/2025	METALS	2505071056B	Strontium, Total	5.29	mg/L	0.10	0.002		
5/7/2025	METALS	2505071056B	Sodium, Total	133	mg/L	1.0	0.3		RB
5/7/2025	METALS	2505071056B	Selenium, Total	0.014	mg/L	0.010	0.007		
5/7/2025	METALS	2505071056B	Nickel, Total	0.038	mg/L	0.040	0.003		J
5/7/2025	METALS	2505071056B	Potassium, Total	4.2	mg/L	2.0	0.4		
5/7/2025	ANIONS	2505071057B	Sulfate	548	mg/L	20	4		SP
5/7/2025	ANIONS	2505071057B	Fluoride, undistilled	1.44	mg/L	0.10	0.010		
5/7/2025	ANIONS	2505071057B	Alkalinity, Total as CaCO3	206	mg/L	2.0	1.8		
5/7/2025	ANIONS	2505071057B	Chloride	206	mg/L	20	5		
5/7/2025	300.0	2505071058B	Chloride	203	mg/L	10	3		
5/7/2025	353.2	2505071059B	Nitrate+Nitrite as Nitrogen	12.6	mg/L	1.0	0.03		
5/7/2025	6850	2505071100B	Perchlorate	1.9	ug/L	0.20	0.047		
7/15/2025	8260	2507151046B	Silane, methoxytrimethyl-	4.8	ug/L	NA	NA		J TIC
7/15/2025	8260	2507151046B	Trichloroethene (TCE)	21	ug/L	1.0	0.20		
7/15/2025	8260	2507151046B	1,1,2-Trichloro-1,2,2-Trifluoroethane	7.4	ug/L	1.0	0.20		
7/15/2025	8260	2507151046B	Trimethylsilyl fluoride	4.2	ug/L	NA	NA		J TIC
7/15/2025	8260	2507151046B	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.23	ug/L	1.0	0.20		J
7/15/2025	8260	2507151047B	1,1,2-Trichloro-1,2,2-Trifluoroethane	7.3	ug/L	1.0	0.20		

Analytical Results for Sampling Events at 600-G-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/15/2025	8260	2507151047B	Trichloroethene (TCE)	20	ug/L	1.0	0.20		
7/15/2025	8260	2507151047B	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.21	ug/L	1.0	0.20		J
7/15/2025	8260	2507151047B	Sulfur Dioxide	0.6	ug/L	NA	NA		J RB TIC
7/15/2025	300.0	2507151049B	Chloride	201	mg/L	20	5		
7/15/2025	353.2	2507151050B	Nitrate+Nitrite as Nitrogen	12.5	mg/L	0.50	0.02		

Analytical Results for Sampling Events at 700-E-458

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/15/2025	8260	2507151400A	Trimethylsilyl fluoride	3.3	ug/L	NA	NA		J TIC
7/15/2025	8260	2507151400A	Silane, methoxytrimethyl-	6.2	ug/L	NA	NA		J TIC
7/15/2025	607	2507151402A	Bromacil	0.008	µg/L	0.0094	0.0047	108	J Q
7/15/2025	METALS	2507151403A	Strontium, Total	0.71	mg/L	0.10	0.002		
7/15/2025	METALS	2507151403A	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
7/15/2025	METALS	2507151403A	Vanadium, Total	0.011	mg/L	0.050	0.00070		J
7/15/2025	METALS	2507151403A	Sodium, Total	135	mg/L	1.0	0.500		
7/15/2025	METALS	2507151403A	Potassium, Total	1.4	mg/L	2.0	0.400		J
7/15/2025	METALS	2507151403A	Nickel, Total	0.021	mg/L	0.040	0.003		J
7/15/2025	METALS	2507151403A	Chromium, Total	0.015	mg/L	0.010	0.002		
7/15/2025	METALS	2507151403A	Calcium, Total	15	mg/L	1.0	0.30		
7/15/2025	METALS	2507151403A	Boron, Total	0.17	mg/L	0.20	0.0200		J
7/15/2025	METALS	2507151403A	Arsenic, Total	0.0009	mg/L	0.0010	0.000400		J
7/15/2025	METALS	2507151403A	Barium, Total	0.018	mg/L	0.020	0.003		J
7/15/2025	METALS	2507151403A	Magnesium, Total	4.2	mg/L	1.0	0.03		
7/15/2025	ANIONS	2507151404A	Fluoride, undistilled	0.61	mg/L	0.10	0.010		
7/15/2025	ANIONS	2507151404A	Alkalinity, Total as CaCO3	96.4	mg/L	2.0	1.80		
7/15/2025	ANIONS	2507151404A	Sulfate	206	mg/L	20	4.0		
7/15/2025	ANIONS	2507151404A	Chloride	36	mg/L	2.0	0.500		
7/15/2025	SM2540C	2507151405A	Total Dissolved Solids (TDS)	494	mg/L	10	9		
7/15/2025	6850	2507151406A	Perchlorate	0.97	ug/L	0.20	0.019		
7/15/2025	353.2	2507151407A	Nitrate+Nitrite as Nitrogen	3.79	mg/L	0.25	0.008		

Analytical Results for Sampling Events at BLM-10-517

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/10/2025	8260_LL	2507101400C	Carbon Dioxide	27	ug/L	NA	NA		J RB TIC FB
7/10/2025	NDMA_LL	2507101402C	N-Nitrosodimethylamine	1.58	ng/L	0.47	0.34		

Analytical Results for Sampling Events at BLM-15-305

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/14/2025	8260	2507141400C	Trichloroethene (TCE)	8.5	ug/L	1.0	0.20		
7/14/2025	8260	2507141400C	Tetrachloroethene (PCE)	0.54	ug/L	1.0	0.21		J
7/14/2025	8260	2507141400C	Trichlorofluoromethane (CFC 11)	81	ug/L	1.0	0.24		
7/14/2025	8260	2507141400C	Silane, methoxytrimethyl-	0.47	ug/L	NA	NA		J TIC
7/14/2025	8260	2507141400C	Dibromochloromethane	0.28	ug/L	1.0	0.20		J
7/14/2025	8260	2507141400C	Bromoform	0.52	ug/L	1.0	0.25		J
7/14/2025	8260	2507141400C	Acetone	5.5	ug/L	10	5.0		J
7/14/2025	8260	2507141400C	1,1,2-Trichloro-1,2,2-Trifluoroethane	32	ug/L	1.0	0.20		
7/14/2025	8260	2507141400C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.7	ug/L	1.0	0.20		
7/14/2025	8260	2507141400C	Dichlorofluoromethane (CFC 21)	2.9	ug/L	1.0	0.20		
7/14/2025	607	2507141402C	N-Nitrodimethylamine	3.98	µg/L	0.0094	0.0047	66	
7/14/2025	607	2507141402C	Bromacil	0.37	µg/L	0.094	0.047	108	D R
7/14/2025	607	2507141402C	N-Nitrodimethylamine	3.88	µg/L	0.094	0.047	66	D R
7/14/2025	607	2507141402C	Bromacil	0.45	µg/L	0.0094	0.0047	108	
7/14/2025	607	2507141402C	N-Nitrosodimethylamine	7.26	µg/L	0.0094	0.0047	40	G R
7/14/2025	607	2507141402C	N-Nitrosodimethylamine	7.04	µg/L	0.094	0.047	40	D

Analytical Results for Sampling Events at BLM-17-493

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/5/2025	8260	2505051400C	Trichlorofluoromethane (CFC 11)	32	ug/L	1.0	0.24		
5/5/2025	8260	2505051400C	1,1,2-Trichloro-1,2,2-Trifluoroethane	44	ug/L	1.0	0.20		
5/5/2025	8260	2505051400C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.61	ug/L	1.0	0.20		J
5/5/2025	8260	2505051400C	Unknown	25	ug/L	NA	NA		J TIC
5/5/2025	8260	2505051400C	Trichloroethene (TCE)	49	ug/L	1.0	0.20		
5/5/2025	8260	2505051400C	Dichlorofluoromethane (CFC 21)	0.42	ug/L	1.0	0.20		J
5/5/2025	8260	2505051400C	Tetrachloroethene (PCE)	1.9	ug/L	1.0	0.21		
5/5/2025	607	2505051402C	N-Nitrosodimethylamine	0.53	µg/L	0.0095	0.0048	54	
5/5/2025	607	2505051402C	Bromacil	0.25	µg/L	0.0095	0.0048	129	
5/5/2025	607	2505051402C	N-Nitrodimethylamine	0.51	µg/L	0.0095	0.0048	86	

Analytical Results for Sampling Events at BLM-17-550

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/14/2025	8260	2507141025C	Dichlorofluoromethane (CFC 21)	0.54	ug/L	1.0	0.20		J
7/14/2025	8260	2507141025C	Trimethylsilyl fluoride	2	ug/L	NA	NA		J TIC
7/14/2025	8260	2507141025C	Silane, methoxytrimethyl-	3.5	ug/L	NA	NA		J TIC FB
7/14/2025	8260	2507141025C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.64	ug/L	1.0	0.20		J
7/14/2025	8260	2507141025C	1,1,2-Trichloro-1,2,2-Trifluoroethane	200	ug/L	1.0	0.20		
7/14/2025	8260	2507141025C	Trichlorofluoromethane (CFC 11)	83	ug/L	1.0	0.24		
7/14/2025	8260	2507141025C	Trichloroethene (TCE)	87	ug/L	1.0	0.20		
7/14/2025	8260	2507141025C	Tetrachloroethene (PCE)	3.5	ug/L	1.0	0.21		
7/14/2025	8260	2507141025C	1,1-Dichloroethene	0.79	ug/L	1.0	0.20		J
7/14/2025	607	2507141027C	N-Nitrosodimethylamine	0.25	µg/L	0.0094	0.0047	40	
7/14/2025	607	2507141027C	N-Nitrodimethylamine	0.24	µg/L	0.0094	0.0047	66	
7/14/2025	607	2507141027C	Bromacil	0.08	µg/L	0.0094	0.0047	108	

Analytical Results for Sampling Events at BLM-18-430

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/14/2025	8260	2507140955A	Trimethylsilyl fluoride	1.7	ug/L	NA	NA		J TIC
7/14/2025	8260	2507140955A	Silane, methoxytrimethyl-	3.9	ug/L	NA	NA		J TIC QD FB
7/14/2025	8260	2507140955A	Trichlorofluoromethane (CFC 11)	16	ug/L	1.0	0.24		
7/14/2025	8260	2507140955A	1,1,2-Trichloro-1,2,2-Trifluoroethane	13	ug/L	1.0	0.20		
7/14/2025	8260	2507140955A	Tetrachloroethene (PCE)	0.49	ug/L	1.0	0.21		J
7/14/2025	8260	2507140955A	Trichloroethene (TCE)	14	ug/L	1.0	0.20		
7/14/2025	8260	2507140956A	Silane, methoxytrimethyl-	1.9	ug/L	NA	NA		J TIC QD FB
7/14/2025	8260	2507140956A	1,1,2-Trichloro-1,2,2-Trifluoroethane	13	ug/L	1.0	0.20		
7/14/2025	8260	2507140956A	Tetrachloroethene (PCE)	0.42	ug/L	1.0	0.21		J
7/14/2025	8260	2507140956A	Trichloroethene (TCE)	13	ug/L	1.0	0.20		
7/14/2025	8260	2507140956A	Trichlorofluoromethane (CFC 11)	15	ug/L	1.0	0.24		
7/14/2025	607	2507140958A	N-Nitrosodimethylamine	0.01	µg/L	0.0094	0.0047	40	

Analytical Results for Sampling Events at BLM-22-570

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/19/2025	NDMA_LL	2505190943C	N-Nitrosodimethylamine	0.85	ng/L	0.47	0.34		A K RB TB FB
5/19/2025	METALS	2505190945C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
5/19/2025	METALS	2505190945C	Boron, Total	0.1	mg/L	0.20	0.02		J
5/19/2025	METALS	2505190945C	Potassium, Total	4.9	mg/L	2.0	0.4		
5/19/2025	METALS	2505190945C	Nickel, Total	0.09	mg/L	0.12	0.008		J D
5/19/2025	METALS	2505190945C	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
5/19/2025	METALS	2505190945C	Magnesium, Total	57.3	mg/L	1.0	0.03		
5/19/2025	METALS	2505190945C	Arsenic, Total	0.0013	mg/L	0.0010	0.0004		
5/19/2025	METALS	2505190945C	Calcium, Total	115	mg/L	1.0	0.3		
5/19/2025	METALS	2505190945C	Sodium, Total	47.9	mg/L	1.0	0.3		
5/19/2025	METALS	2505190945C	Barium, Total	0.012	mg/L	0.020	0.003		J
5/19/2025	METALS	2505190945C	Strontium, Total	3.19	mg/L	0.10	0.002		
5/19/2025	ANIONS	2505190946C	Alkalinity, Total as CaCO3	189	mg/L	2.0	1.8		
5/19/2025	ANIONS	2505190946C	Chloride	67.7	mg/L	2.0	0.5		
5/19/2025	ANIONS	2505190946C	Fluoride, undistilled	0.38	mg/L	0.10	0.010		
5/19/2025	ANIONS	2505190946C	Sulfate	330	mg/L	20	4		A
5/19/2025	SM2540C	2505190947C	Total Dissolved Solids (TDS)	951	mg/L	10	9		
5/19/2025	6850	2505190948C	Perchlorate	0.97	ug/L	0.20	0.019		
5/19/2025	353.2	2505190949C	Nitrate+Nitrite as Nitrogen	4.03	mg/L	0.25	0.008		

Analytical Results for Sampling Events at BLM-24-565

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/9/2025	8260_LL	2505090835C	1,2-Dichloroethane	3.1	ug/L	0.50	0.20		
5/9/2025	NDMA_LL	2505090837C	N-Nitrosodimethylamine	0.78	ng/L	0.48	0.35		A FB
5/9/2025	METALS	2505090839C	Arsenic, Total	0.0023	mg/L	0.0010	0.0004		
5/9/2025	METALS	2505090839C	Strontium, Total	0.13	mg/L	0.10	0.002		
5/9/2025	METALS	2505090839C	Sodium, Total	204	mg/L	1.0	0.3		RB
5/9/2025	METALS	2505090839C	Molybdenum, Total	0.031	mg/L	0.025	0.003		
5/9/2025	METALS	2505090839C	Potassium, Total	1	mg/L	2.0	0.4		J
5/9/2025	METALS	2505090839C	Vanadium, Total	0.025	mg/L	0.050	0.0007		J
5/9/2025	METALS	2505090839C	Nickel, Total	0.046	mg/L	0.040	0.003		
5/9/2025	METALS	2505090839C	Calcium, Total	13	mg/L	1.0	0.3		
5/9/2025	METALS	2505090839C	Barium, Total	0.015	mg/L	0.020	0.003		J
5/9/2025	METALS	2505090839C	Antimony, Total	0.0017	mg/L	0.0010	0.0002		
5/9/2025	METALS	2505090839C	Aluminum, Total	0.05	mg/L	0.10	0.03		J
5/9/2025	METALS	2505090839C	Chromium, Total	0.006	mg/L	0.010	0.002		J
5/9/2025	METALS	2505090839C	Boron, Total	0.36	mg/L	0.20	0.02		
5/9/2025	METALS	2505090840C	Barium, Total	0.015	mg/L	0.020	0.003		J
5/9/2025	METALS	2505090840C	Vanadium, Total	0.025	mg/L	0.050	0.0007		J
5/9/2025	METALS	2505090840C	Strontium, Total	0.13	mg/L	0.10	0.002		
5/9/2025	METALS	2505090840C	Sodium, Total	200	mg/L	1.0	0.3		RB
5/9/2025	METALS	2505090840C	Potassium, Total	1	mg/L	2.0	0.4		J
5/9/2025	METALS	2505090840C	Nickel, Total	0.045	mg/L	0.040	0.003		
5/9/2025	METALS	2505090840C	Molybdenum, Total	0.031	mg/L	0.025	0.003		
5/9/2025	METALS	2505090840C	Chromium, Total	0.006	mg/L	0.010	0.002		J
5/9/2025	METALS	2505090840C	Boron, Total	0.35	mg/L	0.20	0.02		
5/9/2025	METALS	2505090840C	Arsenic, Total	0.0024	mg/L	0.0010	0.0004		
5/9/2025	METALS	2505090840C	Antimony, Total	0.0017	mg/L	0.0010	0.0002		
5/9/2025	METALS	2505090840C	Aluminum, Total	0.05	mg/L	0.10	0.03		J
5/9/2025	METALS	2505090840C	Calcium, Total	12.7	mg/L	1.0	0.3		
5/9/2025	ANIONS	2505090841C	Alkalinity, Total as CaCO3	57	mg/L	2.0	1.8		
5/9/2025	ANIONS	2505090841C	Sulfate	250	mg/L	20	4		D
5/9/2025	ANIONS	2505090841C	Chloride	139	mg/L	20	5		D
5/9/2025	ANIONS	2505090841C	Fluoride, undistilled	1.45	mg/L	0.10	0.010		
5/9/2025	SM2540C	2505090842C	Total Dissolved Solids (TDS)	687	mg/L	10	9		
5/9/2025	6850	2505090843C	Perchlorate	1.1	ug/L	0.20	0.047		
5/9/2025	353.2	2505090844C	Nitrate+Nitrite as Nitrogen	0.503	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BLM-2-630

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/15/2025	8260	2505151020C	Trichloroethene (TCE)	0.34	ug/L	0.50	0.20		J
5/15/2025	NDMA_LL	2505151022C	N-Nitrosodimethylamine	1.04	ng/L	0.48	0.35		A K RB TB FB
5/15/2025	NDMA_LL	2505151023C	N-Nitrosodimethylamine	1.01	ng/L	0.47	0.34		A K RB TB FB

Analytical Results for Sampling Events at BLM-26-404

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/7/2025	8260	2505071443C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.41	ug/L	1.0	0.20		J
5/7/2025	8260	2505071443C	Trichlorofluoromethane (CFC 11)	66	ug/L	1.0	0.24		
5/7/2025	8260	2505071443C	Trichloroethene (TCE)	22	ug/L	1.0	0.20		
5/7/2025	8260	2505071443C	Tetrachloroethene (PCE)	0.63	ug/L	1.0	0.21		J
5/7/2025	8260	2505071443C	Dichlorofluoromethane (CFC 21)	0.34	ug/L	1.0	0.20		J
5/7/2025	8260	2505071443C	Unknown	27	ug/L	NA	NA		J TIC
5/7/2025	8260	2505071443C	1,1,2-Trichloro-1,2,2-Trifluoroethane	58	ug/L	1.0	0.20		
5/7/2025	8260	2505071444C	Unknown	29	ug/L	NA	NA		J TIC
5/7/2025	8260	2505071444C	Trichlorofluoromethane (CFC 11)	67	ug/L	1.0	0.24		
5/7/2025	8260	2505071444C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.36	ug/L	1.0	0.20		J
5/7/2025	8260	2505071444C	Trichloroethene (TCE)	22	ug/L	1.0	0.20		
5/7/2025	8260	2505071444C	1,1,2-Trichloro-1,2,2-Trifluoroethane	58	ug/L	1.0	0.20		
5/7/2025	8260	2505071444C	Dichlorofluoromethane (CFC 21)	0.34	ug/L	1.0	0.20		J
5/7/2025	8260	2505071444C	Tetrachloroethene (PCE)	0.55	ug/L	1.0	0.21		J
5/7/2025	607	2505071446C	N-Nitrosodimethylamine	0.14	µg/L	0.01	0.005	54	QD
5/7/2025	607	2505071446C	N-Nitrodimethylamine	0.07	µg/L	0.01	0.005	86	QD
5/7/2025	607	2505071447C	N-Nitrosodimethylamine	0.1	µg/L	0.0095	0.0048	54	QD
5/7/2025	607	2505071447C	Bromacil	0.005	µg/L	0.0095	0.0048	129	J
5/7/2025	607	2505071447C	N-Nitrodimethylamine	0.05	µg/L	0.0095	0.0048	86	QD
5/7/2025	METALS	2505071448C	Thallium, Total	0.00004	mg/L	0.0010	0.00004		J
5/7/2025	METALS	2505071448C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
5/7/2025	METALS	2505071448C	Strontium, Total	2.55	mg/L	0.10	0.002		
5/7/2025	METALS	2505071448C	Sodium, Total	35.9	mg/L	1.0	0.3		RB
5/7/2025	METALS	2505071448C	Potassium, Total	5.1	mg/L	2.0	0.4		
5/7/2025	METALS	2505071448C	Nickel, Total	0.28	mg/L	0.12	0.008		D
5/7/2025	METALS	2505071448C	Magnesium, Total	63.3	mg/L	1.0	0.03		
5/7/2025	METALS	2505071448C	Chromium, Total	0.002	mg/L	0.010	0.002		J
5/7/2025	METALS	2505071448C	Calcium, Total	103	mg/L	1.0	0.3		
5/7/2025	METALS	2505071448C	Boron, Total	0.08	mg/L	0.20	0.02		J
5/7/2025	METALS	2505071448C	Zinc, Total	0.01	mg/L	0.020	0.003		J
5/7/2025	METALS	2505071448C	Barium, Total	0.033	mg/L	0.020	0.003		
5/7/2025	METALS	2505071448C	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
5/7/2025	METALS	2505071448C	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
5/7/2025	ANIONS	2505071449C	Alkalinity, Total as CaCO3	234	mg/L	2.0	1.8		
5/7/2025	ANIONS	2505071449C	Chloride	41.8	mg/L	2.0	0.5		
5/7/2025	ANIONS	2505071449C	Fluoride, undistilled	0.54	mg/L	0.10	0.010		
5/7/2025	ANIONS	2505071449C	Sulfate	297	mg/L	20	4		
5/7/2025	SM2540C	2505071450C	Total Dissolved Solids (TDS)	812	mg/L	10	9		

Analytical Results for Sampling Events at BLM-26-404

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/7/2025	6850	2505071451C	Perchlorate	0.46	ug/L	0.20	0.047		
5/7/2025	353.2	2505071452C	Nitrate+Nitrite as Nitrogen	2.21	mg/L	0.25	0.008		

Analytical Results for Sampling Events at BLM-27-270

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/16/2025	8260	2506161333A	1,1,2-Trichloro-1,2,2-Trifluoroethane	190	ug/L	1.0	0.20		
6/16/2025	8260	2506161333A	1,1-Dichloroethene	0.28	ug/L	1.0	0.20		J
6/16/2025	8260	2506161333A	Dichlorofluoromethane (CFC 21)	5.5	ug/L	1.0	0.20		
6/16/2025	8260	2506161333A	Trichloroethene (TCE)	1.3	ug/L	1.0	0.20		
6/16/2025	8260	2506161333A	Trichlorofluoromethane (CFC 11)	380	ug/L	5.0	1.2		D T
6/16/2025	8260	2506161333A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	5.2	ug/L	1.0	0.20		
6/16/2025	607	2506161337A	N-Nitrosodimethylamine	1.61	µg/L	0.0095	0.0048	50	
6/16/2025	607	2506161337A	N-Nitrodimethylamine	0.97	µg/L	0.0095	0.0048	79	
6/16/2025	607	2506161337A	Bromacil	0.05	µg/L	0.0095	0.0048	110	
6/16/2025	353.2	2506161344A	Nitrate+Nitrite as Nitrogen	3.72	mg/L	0.25	0.008		

Analytical Results for Sampling Events at BLM-32-543

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/8/2025	607	2505081054B	Bromacil	0.007	µg/L	0.0097	0.0049	137	J
5/8/2025	NDMA_LL	2505081055B	N-Nitrosodimethylamine	1.95	ng/L	0.48	0.35		A FB
5/8/2025	8270	2505081240B	Benzenesulfonamide, N-butyl-	690	ug/L	NA	NA		J TIC
5/8/2025	8270	2505081240B	Butane, 2-methoxy-2-methyl-	550	ug/L	NA	NA		J TIC

Analytical Results for Sampling Events at BLM-32-571

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/8/2025	NDMA_LL	2505081126B	N-Nitrosodimethylamine	1.09	ng/L	0.48	0.35		A

Analytical Results for Sampling Events at BLM-32-632

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/8/2025	NDMA_LL	2505081207B	N-Nitrosodimethylamine	0.45	ng/L	0.48	0.35		J A

Analytical Results for Sampling Events at BLM-36-350

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/7/2025	8260	2505071333Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	42	ug/L	1.0	0.20		
5/7/2025	8260	2505071333Y	Dichlorofluoromethane (CFC 21)	6	ug/L	1.0	0.20		
5/7/2025	8260	2505071333Y	Tetrachloroethene (PCE)	2.6	ug/L	1.0	0.21		
5/7/2025	8260	2505071333Y	Trichloroethene (TCE)	59	ug/L	1.0	0.20		
5/7/2025	8260	2505071333Y	Trichlorofluoromethane (CFC 11)	24	ug/L	1.0	0.24		
5/7/2025	8260	2505071333Y	cis-1,2-Dichloroethene	0.34	ug/L	1.0	0.23		J
5/7/2025	8260	2505071333Y	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	4.1	ug/L	1.0	0.20		
5/7/2025	8260	2505071333Y	Unknown	26	ug/L	NA	NA		J TIC
5/7/2025	607	2505071334Y	N-Nitrosodimethylamine	0.34	µg/L	0.0096	0.0048	54	
5/7/2025	607	2505071334Y	N-Nitrodimethylamine	0.33	µg/L	0.0096	0.0048	86	
5/7/2025	607	2505071334Y	Bromacil	0.49	µg/L	0.0096	0.0048	129	
5/7/2025	607	2505071400Y	N-Nitrosodimethylamine	0.3	µg/L	0.0095	0.0048	54	
5/7/2025	607	2505071400Y	N-Nitrodimethylamine	0.3	µg/L	0.0095	0.0048	86	
5/7/2025	607	2505071400Y	Bromacil	0.49	µg/L	0.0095	0.0048	129	
5/7/2025	METALS	2505071434Y	Nickel, Total	0.088	mg/L	0.040	0.003		
5/7/2025	METALS	2505071434Y	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
5/7/2025	METALS	2505071434Y	Thallium, Total	0.00006	mg/L	0.0010	0.00004		J
5/7/2025	METALS	2505071434Y	Barium, Total	0.033	mg/L	0.020	0.003		
5/7/2025	METALS	2505071434Y	Strontium, Total	2.94	mg/L	0.10	0.002		
5/7/2025	METALS	2505071434Y	Zinc, Total	0.007	mg/L	0.020	0.003		J
5/7/2025	METALS	2505071434Y	Sodium, Total	60	mg/L	1.0	0.3		RB
5/7/2025	METALS	2505071434Y	Potassium, Total	3.9	mg/L	2.0	0.4		
5/7/2025	METALS	2505071434Y	Manganese, Total	0.032	mg/L	0.010	0.004		
5/7/2025	METALS	2505071434Y	Magnesium, Total	66.9	mg/L	1.0	0.03		
5/7/2025	METALS	2505071434Y	Chromium, Total	0.004	mg/L	0.010	0.002		J
5/7/2025	METALS	2505071434Y	Boron, Total	0.1	mg/L	0.20	0.02		J
5/7/2025	METALS	2505071434Y	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
5/7/2025	METALS	2505071434Y	Antimony, Total	0.0003	mg/L	0.0010	0.0002		J
5/7/2025	METALS	2505071434Y	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
5/7/2025	METALS	2505071434Y	Calcium, Total	128	mg/L	1.0	0.3		

Analytical Results for Sampling Events at BLM-36-610

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/5/2025	8260	2505051006Y	Unknown	24	ug/L	NA	NA		J TIC
5/5/2025	METALS	2505051045Y	Zinc, Total	0.015	mg/L	0.020	0.003		J
5/5/2025	METALS	2505051045Y	Calcium, Total	114	mg/L	1.0	0.3		
5/5/2025	METALS	2505051045Y	Chromium, Total	0.003	mg/L	0.010	0.002		J
5/5/2025	METALS	2505051045Y	Strontium, Total	3.1	mg/L	0.10	0.002		
5/5/2025	METALS	2505051045Y	Thallium, Total	0.00004	mg/L	0.0010	0.00004		J
5/5/2025	METALS	2505051045Y	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
5/5/2025	METALS	2505051045Y	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
5/5/2025	METALS	2505051045Y	Sodium, Total	34.7	mg/L	1.0	0.3		RB
5/5/2025	METALS	2505051045Y	Potassium, Total	5.4	mg/L	2.0	0.4		
5/5/2025	METALS	2505051045Y	Nickel, Total	0.049	mg/L	0.040	0.003		
5/5/2025	METALS	2505051045Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
5/5/2025	METALS	2505051045Y	Magnesium, Total	62.7	mg/L	1.0	0.03		
5/5/2025	METALS	2505051045Y	Boron, Total	0.07	mg/L	0.20	0.02		J
5/5/2025	METALS	2505051045Y	Barium, Total	0.029	mg/L	0.020	0.003		
5/5/2025	ANIONS	2505051046Y	Sulfate	337	mg/L	20	4		
5/5/2025	ANIONS	2505051046Y	Alkalinity, Total as CaCO3	223	mg/L	2.0	1.8		
5/5/2025	ANIONS	2505051046Y	Chloride	40.3	mg/L	2.0	0.5		
5/5/2025	ANIONS	2505051046Y	Fluoride, undistilled	0.91	mg/L	0.10	0.010		
5/5/2025	SM2540C	2505051047Y	Total Dissolved Solids (TDS)	827	mg/L	10	9		T
5/5/2025	6850	2505051048Y	Perchlorate	0.3	ug/L	0.20	0.047		
5/5/2025	353.2	2505051049Y	Nitrate+Nitrite as Nitrogen	0.751	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BLM-36-800

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/6/2025	8260	2505061503Y	Unknown	26	ug/L	NA	NA		J TIC
5/6/2025	METALS	2505070910Y	Nickel, Total	0.102	mg/L	0.040	0.003		
5/6/2025	METALS	2505070910Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
5/6/2025	METALS	2505070910Y	Zinc, Total	0.032	mg/L	0.020	0.003		
5/6/2025	METALS	2505070910Y	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
5/6/2025	METALS	2505070910Y	Thallium, Total	0.00004	mg/L	0.0010	0.00004		J
5/6/2025	METALS	2505070910Y	Strontium, Total	2.59	mg/L	0.10	0.002		
5/6/2025	METALS	2505070910Y	Sodium, Total	48.6	mg/L	1.0	0.3		RB
5/6/2025	METALS	2505070910Y	Antimony, Total	0.0004	mg/L	0.0010	0.0002		J
5/6/2025	METALS	2505070910Y	Magnesium, Total	53.5	mg/L	1.0	0.03		
5/6/2025	METALS	2505070910Y	Potassium, Total	7.2	mg/L	2.0	0.4		
5/6/2025	METALS	2505070910Y	Chromium, Total	0.005	mg/L	0.010	0.002		J
5/6/2025	METALS	2505070910Y	Calcium, Total	107	mg/L	1.0	0.3		
5/6/2025	METALS	2505070910Y	Boron, Total	0.05	mg/L	0.20	0.02		J
5/6/2025	METALS	2505070910Y	Barium, Total	0.029	mg/L	0.020	0.003		
5/6/2025	METALS	2505070910Y	Arsenic, Total	0.0011	mg/L	0.0010	0.0004		
5/6/2025	METALS	2505070910Y	Manganese, Total	0.012	mg/L	0.010	0.004		
5/6/2025	ANIONS	2505070911Y	Sulfate	316	mg/L	20	4		
5/6/2025	ANIONS	2505070911Y	Alkalinity, Total as CaCO3	226	mg/L	2.0	1.8		
5/6/2025	ANIONS	2505070911Y	Chloride	39.1	mg/L	2.0	0.5		
5/6/2025	ANIONS	2505070911Y	Fluoride, undistilled	0.83	mg/L	0.10	0.010		
5/6/2025	SM2540C	2505070912Y	Total Dissolved Solids (TDS)	811	mg/L	10	10		
5/6/2025	6850	2505070950Y	Perchlorate	0.26	ug/L	0.20	0.047		
5/6/2025	353.2	2505070951Y	Nitrate+Nitrite as Nitrogen	0.637	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BLM-36-860

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/5/2025	8260	2505051500Y	Unknown	28	ug/L	NA	NA		J TIC
5/5/2025	METALS	2505060950Y	Molybdenum, Total	0.011	mg/L	0.025	0.003		J
5/5/2025	METALS	2505060950Y	Antimony, Total	0.0005	mg/L	0.0010	0.0002		J
5/5/2025	METALS	2505060950Y	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
5/5/2025	METALS	2505060950Y	Zinc, Total	0.047	mg/L	0.020	0.003		
5/5/2025	METALS	2505060950Y	Thallium, Total	0.00004	mg/L	0.0010	0.00004		J
5/5/2025	METALS	2505060950Y	Strontium, Total	2.57	mg/L	0.10	0.002		
5/5/2025	METALS	2505060950Y	Sodium, Total	54	mg/L	1.0	0.3		RB
5/5/2025	METALS	2505060950Y	Potassium, Total	7.4	mg/L	2.0	0.4		
5/5/2025	METALS	2505060950Y	Nickel, Total	0.387	mg/L	0.040	0.003		
5/5/2025	METALS	2505060950Y	Arsenic, Total	0.005	mg/L	0.0010	0.0004		
5/5/2025	METALS	2505060950Y	Manganese, Total	0.103	mg/L	0.010	0.004		
5/5/2025	METALS	2505060950Y	Barium, Total	0.04	mg/L	0.020	0.003		
5/5/2025	METALS	2505060950Y	Boron, Total	0.05	mg/L	0.20	0.02		J
5/5/2025	METALS	2505060950Y	Calcium, Total	105	mg/L	1.0	0.3		
5/5/2025	METALS	2505060950Y	Chromium, Total	0.048	mg/L	0.010	0.002		
5/5/2025	METALS	2505060950Y	Cobalt, Total	0.004	mg/L	0.050	0.0009		J
5/5/2025	METALS	2505060950Y	Iron, Total	3.32	mg/L	0.10	0.07		
5/5/2025	METALS	2505060950Y	Magnesium, Total	52	mg/L	1.0	0.03		
5/5/2025	ANIONS	2505060951Y	Chloride	38.9	mg/L	2.0	0.5		
5/5/2025	ANIONS	2505060951Y	Fluoride, undistilled	0.78	mg/L	0.10	0.010		
5/5/2025	ANIONS	2505060951Y	Sulfate	331	mg/L	20	4		
5/5/2025	ANIONS	2505060951Y	Alkalinity, Total as CaCO3	221	mg/L	2.0	1.8		
5/5/2025	SM2540C	2505060952Y	Total Dissolved Solids (TDS)	808	mg/L	10	9		
5/5/2025	6850	2505060953Y	Perchlorate	0.25	ug/L	0.20	0.047		
5/5/2025	353.2	2505061030Y	Nitrate+Nitrite as Nitrogen	0.232	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BLM-38-480

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/14/2025	NDMA_LL	2505141008Y	N-Nitrosodimethylamine	1.07	ng/L	0.49	0.35		A RB TB EB
5/14/2025	METALS	2505141300Y	Manganese, Total	0.007	mg/L	0.010	0.004		J
5/14/2025	METALS	2505141300Y	Zinc, Total	0.004	mg/L	0.020	0.003		J
5/14/2025	METALS	2505141300Y	Vanadium, Total	0.005	mg/L	0.050	0.0007		J
5/14/2025	METALS	2505141300Y	Strontium, Total	2.44	mg/L	0.10	0.002		
5/14/2025	METALS	2505141300Y	Sodium, Total	42.8	mg/L	1.0	0.3		
5/14/2025	METALS	2505141300Y	Potassium, Total	5.7	mg/L	2.0	0.4		
5/14/2025	METALS	2505141300Y	Arsenic, Total	0.0025	mg/L	0.0010	0.0004		
5/14/2025	METALS	2505141300Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
5/14/2025	METALS	2505141300Y	Magnesium, Total	44.4	mg/L	1.0	0.03		
5/14/2025	METALS	2505141300Y	Chromium, Total	0.005	mg/L	0.010	0.002		J
5/14/2025	METALS	2505141300Y	Calcium, Total	104	mg/L	1.0	0.3		
5/14/2025	METALS	2505141300Y	Boron, Total	0.13	mg/L	0.20	0.02		J
5/14/2025	METALS	2505141300Y	Barium, Total	0.031	mg/L	0.020	0.003		
5/14/2025	METALS	2505141300Y	Nickel, Total	0.232	mg/L	0.080	0.006		
5/14/2025	ANIONS	2505141301Y	Sulfate	269	mg/L	20	4		
5/14/2025	ANIONS	2505141301Y	Alkalinity, Total as CaCO3	236	mg/L	2.0	1.8		
5/14/2025	ANIONS	2505141301Y	Chloride	35.4	mg/L	2.0	0.5		
5/14/2025	ANIONS	2505141301Y	Fluoride, undistilled	0.31	mg/L	0.10	0.010		
5/14/2025	SM2540C	2505141302Y	Total Dissolved Solids (TDS)	771	mg/L	10	10		
5/14/2025	6850	2505141340Y	Perchlorate	0.31	ug/L	0.20	0.019		R *
5/14/2025	6850	2505141340Y	Perchlorate	0.31	ug/L	0.20	0.019		T *
5/14/2025	353.2	2505141341Y	Nitrate+Nitrite as Nitrogen	0.683	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BLM-38-620

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/13/2025	NDMA_LL	2505131020Y	N-Nitrosodimethylamine	0.61	ng/L	0.49	0.35		RB EB
5/13/2025	METALS	2505131021Y	Boron, Total	0.07	mg/L	0.20	0.02		J
5/13/2025	METALS	2505131021Y	Zinc, Total	0.018	mg/L	0.020	0.003		J
5/13/2025	METALS	2505131021Y	Strontium, Total	2.56	mg/L	0.10	0.002		
5/13/2025	METALS	2505131021Y	Sodium, Total	41.6	mg/L	1.0	0.3		
5/13/2025	METALS	2505131021Y	Potassium, Total	5	mg/L	2.0	0.4		
5/13/2025	METALS	2505131021Y	Nickel, Total	0.064	mg/L	0.040	0.003		
5/13/2025	METALS	2505131021Y	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
5/13/2025	METALS	2505131021Y	Manganese, Total	0.715	mg/L	0.010	0.004		
5/13/2025	METALS	2505131021Y	Calcium, Total	107	mg/L	1.0	0.3		
5/13/2025	METALS	2505131021Y	Barium, Total	0.094	mg/L	0.020	0.003		
5/13/2025	METALS	2505131021Y	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
5/13/2025	METALS	2505131021Y	Magnesium, Total	57.2	mg/L	1.0	0.03		
5/13/2025	ANIONS	2505131052Y	Sulfate	316	mg/L	20	4		
5/13/2025	ANIONS	2505131052Y	Alkalinity, Total as CaCO3	229	mg/L	2.0	1.8		
5/13/2025	ANIONS	2505131052Y	Chloride	46.1	mg/L	2.0	0.5		
5/13/2025	ANIONS	2505131052Y	Fluoride, undistilled	0.6	mg/L	0.10	0.010		
5/13/2025	SM2540C	2505131053Y	Total Dissolved Solids (TDS)	796	mg/L	10	9		
5/13/2025	353.2	2505131055Y	Nitrate+Nitrite as Nitrogen	0.006	mg/L	0.050	0.002		J

Analytical Results for Sampling Events at BLM-42-569

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/12/2025	8260_LL	2506120950C	Benzene, 1-bromo-3-fluoro-	41	ug/L	NA	NA		J TIC

Analytical Results for Sampling Events at BLM-6-488

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/3/2025	8260	2507030920C	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.5	ug/L	1.0	0.20		
7/3/2025	8260	2507030920C	Trichloroethene (TCE)	2.5	ug/L	1.0	0.20		
7/3/2025	8260	2507030920C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.29	ug/L	1.0	0.20		J
7/3/2025	NDMA_LL	2507030922C	N-Nitrosodimethylamine	0.48	ng/L	0.49	0.35		J

Analytical Results for Sampling Events at BLM-7-509

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/17/2025	8260_LL	2506170940C	(2-Aziridinylethyl)amine	21	ug/L	NA	NA		J RB TIC

Analytical Results for Sampling Events at BLM-8-418

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/14/2025	8260_LL	2505141000B	Trichlorofluoromethane (CFC 11)	0.31	ug/L	0.50	0.24		J
5/14/2025	8260_LL	2505141000B	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.43	ug/L	0.50	0.20		J
5/14/2025	8260_LL	2505141000B	Trichloroethene (TCE)	0.22	ug/L	0.50	0.20		J
5/14/2025	NDMA_LL	2505141003B	N-Nitrosodimethylamine	1.06	ng/L	0.48	0.35		A RB FB
5/14/2025	METALS	2505141005B	Molybdenum, Total	0.007	mg/L	0.025	0.003		J
5/14/2025	METALS	2505141005B	Strontium, Total	2.49	mg/L	0.10	0.002		
5/14/2025	METALS	2505141005B	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
5/14/2025	METALS	2505141005B	Sodium, Total	36.6	mg/L	1.0	0.3		
5/14/2025	METALS	2505141005B	Potassium, Total	4.1	mg/L	2.0	0.4		
5/14/2025	METALS	2505141005B	Nickel, Total	0.033	mg/L	0.040	0.003		J
5/14/2025	METALS	2505141005B	Copper, Total	0.005	mg/L	0.020	0.004		J
5/14/2025	METALS	2505141005B	Calcium, Total	110	mg/L	1.0	0.3		
5/14/2025	METALS	2505141005B	Boron, Total	0.06	mg/L	0.20	0.02		J
5/14/2025	METALS	2505141005B	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
5/14/2025	METALS	2505141005B	Barium, Total	0.041	mg/L	0.020	0.003		
5/14/2025	METALS	2505141005B	Zinc, Total	0.005	mg/L	0.020	0.003		J
5/14/2025	METALS	2505141005B	Magnesium, Total	59.2	mg/L	1.0	0.03		
5/14/2025	ANIONS	2505141007B	Alkalinity, Total as CaCO3	241	mg/L	2.0	1.8		
5/14/2025	ANIONS	2505141007B	Chloride	39.3	mg/L	2.0	0.5		
5/14/2025	ANIONS	2505141007B	Fluoride, undistilled	0.98	mg/L	0.10	0.010		
5/14/2025	ANIONS	2505141007B	Sulfate	306	mg/L	20	4		
5/14/2025	SM2540C	2505141008B	Total Dissolved Solids (TDS)	777	mg/L	11	10		
5/14/2025	6850	2505141009B	Perchlorate	0.29	ug/L	0.20	0.019		R *
5/14/2025	6850	2505141009B	Perchlorate	0.29	ug/L	0.20	0.019		T *
5/14/2025	353.2	2505141010B	Nitrate+Nitrite as Nitrogen	0.754	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BW-4-330

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/4/2025	8260	2506041310C	Tetrachloroethene (PCE)	3.2	ug/L	1.0	0.21		
6/4/2025	8260	2506041310C	Trichloroethene (TCE)	81	ug/L	1.0	0.20		
6/4/2025	8260	2506041310C	Trichlorofluoromethane (CFC 11)	66	ug/L	1.0	0.24		
6/4/2025	8260	2506041310C	cis-1,2-Dichloroethene	0.62	ug/L	1.0	0.23		J
6/4/2025	8260	2506041310C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.3	ug/L	1.0	0.20		
6/4/2025	8260	2506041310C	1,1,2-Trichloro-1,2,2-Trifluoroethane	180	ug/L	1.0	0.20		
6/4/2025	607	2506041312C	N-Nitrosodimethylamine	0.06	µg/L	0.0095	0.0048	57	
6/4/2025	607	2506041312C	N-Nitrodimethylamine	0.1	µg/L	0.0095	0.0048	81	
6/4/2025	607	2506041312C	Bromacil	0.79	µg/L	0.0095	0.0048	190	
6/4/2025	8270	2506041313C	Cyclohexane	22	ug/L	NA	NA		J RB TIC
6/4/2025	8270	2506041313C	Trichloroethene (TCE)	9.1	ug/L	NA	NA		J TIC
6/4/2025	8270	2506041313C	Butane, 2-methoxy-2-methyl-	800	ug/L	NA	NA		J RB TIC
6/4/2025	METALS	2506041314C	Nickel, Total	0.032	mg/L	0.040	0.003		J
6/4/2025	METALS	2506041314C	Zinc, Total	0.009	mg/L	0.020	0.003		J RB
6/4/2025	METALS	2506041314C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/4/2025	METALS	2506041314C	Strontium, Total	2.33	mg/L	0.10	0.002		
6/4/2025	METALS	2506041314C	Potassium, Total	3.8	mg/L	2.0	0.4		
6/4/2025	METALS	2506041314C	Molybdenum, Total	0.012	mg/L	0.025	0.003		J
6/4/2025	METALS	2506041314C	Manganese, Total	0.016	mg/L	0.010	0.004		
6/4/2025	METALS	2506041314C	Aluminum, Total	0.14	mg/L	0.10	0.03		
6/4/2025	METALS	2506041314C	Iron, Total	2.4	mg/L	0.10	0.07		
6/4/2025	METALS	2506041314C	Chromium, Total	0.022	mg/L	0.010	0.002		
6/4/2025	METALS	2506041314C	Calcium, Total	118	mg/L	1.0	0.3		
6/4/2025	METALS	2506041314C	Boron, Total	0.16	mg/L	0.20	0.02		J
6/4/2025	METALS	2506041314C	Barium, Total	0.048	mg/L	0.020	0.003		
6/4/2025	METALS	2506041314C	Arsenic, Total	0.0011	mg/L	0.0010	0.0004		
6/4/2025	METALS	2506041314C	Magnesium, Total	63.2	mg/L	1.0	0.03		
6/4/2025	METALS	2506041314C	Sodium, Total	52	mg/L	1.0	0.3		
6/4/2025	METALS	2506041315C	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
6/4/2025	METALS	2506041315C	Nickel, Total	0.033	mg/L	0.040	0.003		J
6/4/2025	METALS	2506041315C	Potassium, Total	3.8	mg/L	2.0	0.4		
6/4/2025	METALS	2506041315C	Sodium, Total	52	mg/L	1.0	0.3		
6/4/2025	METALS	2506041315C	Strontium, Total	2.33	mg/L	0.10	0.002		
6/4/2025	METALS	2506041315C	Manganese, Total	0.015	mg/L	0.010	0.004		
6/4/2025	METALS	2506041315C	Zinc, Total	0.008	mg/L	0.020	0.003		J RB
6/4/2025	METALS	2506041315C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/4/2025	METALS	2506041315C	Arsenic, Total	0.0011	mg/L	0.0010	0.0004		
6/4/2025	METALS	2506041315C	Iron, Total	2.38	mg/L	0.10	0.07		

Analytical Results for Sampling Events at BW-4-330

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/4/2025	METALS	2506041315C	Chromium, Total	0.021	mg/L	0.010	0.002		
6/4/2025	METALS	2506041315C	Calcium, Total	118	mg/L	1.0	0.3		
6/4/2025	METALS	2506041315C	Boron, Total	0.16	mg/L	0.20	0.02		J
6/4/2025	METALS	2506041315C	Barium, Total	0.048	mg/L	0.020	0.003		
6/4/2025	METALS	2506041315C	Aluminum, Total	0.13	mg/L	0.10	0.03		
6/4/2025	METALS	2506041315C	Magnesium, Total	63.1	mg/L	1.0	0.03		
6/4/2025	ANIONS	2506041316C	Sulfate	346	mg/L	20	4		
6/4/2025	ANIONS	2506041316C	Fluoride, undistilled	0.84	mg/L	0.10	0.010		
6/4/2025	ANIONS	2506041316C	Alkalinity, Total as CaCO3	193	mg/L	2.0	1.8		
6/4/2025	ANIONS	2506041316C	Chloride	76.2	mg/L	2.0	0.5		
6/4/2025	SM2540C	2506041317C	Total Dissolved Solids (TDS)	892	mg/L	13	12		
6/4/2025	6850	2506041318C	Perchlorate	0.58	ug/L	0.20	0.019		
6/4/2025	353.2	2506041319C	Nitrate+Nitrite as Nitrogen	2.79	mg/L	0.25	0.008		

Analytical Results for Sampling Events at BW-5-295

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/19/2025	8260	2505191400C	Trichlorofluoromethane (CFC 11)	84	ug/L	1.0	0.24		
5/19/2025	8260	2505191400C	Trichloroethene (TCE)	0.53	ug/L	1.0	0.20		J
5/19/2025	8260	2505191400C	Dichlorofluoromethane (CFC 21)	0.65	ug/L	1.0	0.20		J
5/19/2025	8260	2505191400C	1,1,2-Trichloro-1,2,2-Trifluoroethane	5.7	ug/L	1.0	0.20		
5/19/2025	607	2505191402C	N-Nitrodimethylamine	1.53	µg/L	0.0098	0.0049	70	*
5/19/2025	607	2505191402C	Bromacil	0.02	µg/L	0.0098	0.0049	117	*
5/19/2025	607	2505191402C	N-Nitrosodimethylamine	0.33	µg/L	0.0098	0.0049	44	*
5/19/2025	METALS	2505191403C	Chromium, Total	0.009	mg/L	0.010	0.002		J
5/19/2025	METALS	2505191403C	Zinc, Total	0.011	mg/L	0.020	0.003		J
5/19/2025	METALS	2505191403C	Vanadium, Total	0.007	mg/L	0.050	0.0007		J
5/19/2025	METALS	2505191403C	Strontium, Total	1.13	mg/L	0.10	0.002		
5/19/2025	METALS	2505191403C	Sodium, Total	110	mg/L	1.0	0.3		
5/19/2025	METALS	2505191403C	Potassium, Total	1	mg/L	2.0	0.4		J
5/19/2025	METALS	2505191403C	Nickel, Total	0.021	mg/L	0.040	0.003		J
5/19/2025	METALS	2505191403C	Magnesium, Total	19.9	mg/L	1.0	0.03		
5/19/2025	METALS	2505191403C	Calcium, Total	31.6	mg/L	1.0	0.3		
5/19/2025	METALS	2505191403C	Boron, Total	0.52	mg/L	0.20	0.02		
5/19/2025	METALS	2505191403C	Barium, Total	0.011	mg/L	0.020	0.003		J
5/19/2025	METALS	2505191403C	Arsenic, Total	0.001	mg/L	0.0010	0.0004		
5/19/2025	METALS	2505191403C	Molybdenum, Total	0.031	mg/L	0.025	0.003		

Analytical Results for Sampling Events at BW-7-211

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/16/2025	8260	2506160950A	Trichlorofluoromethane (CFC 11)	130	ug/L	1.0	0.24		
6/16/2025	8260	2506160950A	1,1,2-Trichloro-1,2,2-Trifluoroethane	7.6	ug/L	1.0	0.20		
6/16/2025	8260	2506160950A	Dichlorofluoromethane (CFC 21)	0.51	ug/L	1.0	0.20		J
6/16/2025	8260	2506160950A	Trichloroethene (TCE)	1.6	ug/L	1.0	0.20		
6/16/2025	8260	2506160951A	Dichlorofluoromethane (CFC 21)	0.66	ug/L	1.0	0.20		J
6/16/2025	8260	2506160951A	Trichloroethene (TCE)	1.7	ug/L	1.0	0.20		
6/16/2025	8260	2506160951A	Trichlorofluoromethane (CFC 11)	130	ug/L	1.0	0.24		
6/16/2025	8260	2506160951A	1,1,2-Trichloro-1,2,2-Trifluoroethane	7.3	ug/L	1.0	0.20		
6/16/2025	607	2506160953A	N-Nitrosodimethylamine	0.8	µg/L	0.0094	0.0047	50	
6/16/2025	607	2506160953A	N-Nitrodimethylamine	3.84	µg/L	0.0094	0.0047	79	
6/16/2025	607	2506160953A	Bromacil	1.37	µg/L	0.0094	0.0047	110	
6/16/2025	METALS	2506160954A	Calcium, Total	75.3	mg/L	1.0	0.3		
6/16/2025	METALS	2506160954A	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
6/16/2025	METALS	2506160954A	Chromium, Total	0.009	mg/L	0.010	0.002		J
6/16/2025	METALS	2506160954A	Boron, Total	0.24	mg/L	0.20	0.02		
6/16/2025	METALS	2506160954A	Barium, Total	0.037	mg/L	0.020	0.003		
6/16/2025	METALS	2506160954A	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
6/16/2025	METALS	2506160954A	Zinc, Total	0.02	mg/L	0.020	0.003		J RB
6/16/2025	METALS	2506160954A	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
6/16/2025	METALS	2506160954A	Strontium, Total	2.43	mg/L	0.10	0.002		
6/16/2025	METALS	2506160954A	Sodium, Total	73.1	mg/L	1.0	0.3		
6/16/2025	METALS	2506160954A	Potassium, Total	3.8	mg/L	2.0	0.4		
6/16/2025	METALS	2506160954A	Nickel, Total	0.035	mg/L	0.040	0.003		J
6/16/2025	METALS	2506160954A	Magnesium, Total	58.5	mg/L	1.0	0.03		
6/16/2025	METALS	2506160954A	Antimony, Total	0.0002	mg/L	0.0010	0.0002		J
6/16/2025	ANIONS	2506160955A	Sulfate	285	mg/L	20	4		
6/16/2025	ANIONS	2506160955A	Alkalinity, Total as CaCO3	215	mg/L	2.0	1.8		
6/16/2025	ANIONS	2506160955A	Chloride	52.1	mg/L	2.0	0.5		
6/16/2025	ANIONS	2506160955A	Fluoride, undistilled	1.12	mg/L	0.10	0.010		
6/16/2025	SM2540C	2506160956A	Total Dissolved Solids (TDS)	745	mg/L	10	9		
6/16/2025	6850	2506160957A	Perchlorate	0.67	ug/L	0.20	0.019		RB
6/16/2025	353.2	2506160958A	Nitrate+Nitrite as Nitrogen	5	mg/L	0.25	0.008		

Analytical Results for Sampling Events at JER-1-483

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/2/2025	NDMA_LL	2507021132B	N-Nitrosodimethylamine	1.45	ng/L	0.5	0.36		FB
7/2/2025	8270	2507021134B	1,4-Dioxane	0.76	ug/L	0.040	0.035		

Analytical Results for Sampling Events at JER-1-563

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/2/2025	8260_LL	2507021145B	Vinyl Chloride	0.32	ug/L	0.50	0.20		J
7/2/2025	8260_LL	2507021145B	Carbon Dioxide	29	ug/L	NA	NA		J RB TIC FB
7/2/2025	8260_LL	2507021145B	Benzene	0.21	ug/L	0.50	0.20		J
7/2/2025	NDMA_LL	2507021147B	N-Nitrosodimethylamine	1.33	ng/L	0.47	0.34		FB
7/2/2025	NDMA_LL	2507021147B	N-Nitrodimethylamine	0.82	ng/L	0.47	0.33		
7/2/2025	NDMA_LL	2507021149B	N-Nitrosodimethylamine	1.41	ng/L	0.49	0.35		FB
7/2/2025	NDMA_LL	2507021149B	N-Nitrodimethylamine	0.69	ng/L	0.49	0.34		
7/2/2025	8270	2507021150B	1,4-Dioxane	0.93	ug/L	0.040	0.035		

Analytical Results for Sampling Events at JER-1-683

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/2/2025	8260_LL	2507021210B	1,4-Dioxane	12	ug/L	40	6.4		J
7/2/2025	NDMA_LL	2507021212B	N-Nitrosodimethylamine	1.04	ng/L	0.48	0.35		
7/2/2025	NDMA_LL	2507021212B	N-Nitrodimethylamine	0.82	ng/L	0.48	0.34		
7/2/2025	8270	2507021214B	1,4-Dioxane	1.1	ug/L	0.040	0.035		

Analytical Results for Sampling Events at JER-2-504

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/3/2025	8260_LL	2507031231B	Carbon Dioxide	29	ug/L	NA	NA		J RB TIC FB
7/3/2025	8260_LL	2507031231B	Silane, methoxytrimethyl-	7.3	ug/L	NA	NA		J TIC
7/3/2025	8260_LL	2507031231B	Toluene	0.62	ug/L	0.50	0.20		
7/3/2025	NDMA_LL	2507031233B	N-Nitrosodimethylamine	0.51	ng/L	0.48	0.35		
7/3/2025	8270	2507031235B	1,4-Dioxane	0.39	ug/L	0.040	0.035		

Analytical Results for Sampling Events at JER-2-584

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/3/2025	8260_LL	2507031241B	Carbon Dioxide	29	ug/L	NA	NA		J RB TIC
7/3/2025	8260_LL	2507031241B	Toluene	0.29	ug/L	0.50	0.20		J
7/3/2025	NDMA_LL	2507031243B	N-Nitrosodimethylamine	0.72	ng/L	0.48	0.35		
7/3/2025	8270	2507031245B	1,4-Dioxane	0.27	ug/L	0.040	0.035		

Analytical Results for Sampling Events at JER-2-684

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/3/2025	8260_LL	2507031250B	Methylcyclohexane	0.22	ug/L	1.0	0.20		J
7/3/2025	8260_LL	2507031250B	Toluene	0.59	ug/L	0.50	0.20		
7/3/2025	8260_LL	2507031250B	Carbon Dioxide	30	ug/L	NA	NA		J RB TIC FB
7/3/2025	NDMA_LL	2507031252B	N-Nitrosodimethylamine	1.22	ng/L	0.5	0.36		
7/3/2025	8270	2507031254B	1,4-Dioxane	0.3	ug/L	0.040	0.035		

Analytical Results for Sampling Events at JP-1-424

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/9/2025	8260_LL	2507091410C	Carbon Dioxide	26	ug/L	NA	NA		J RB TIC FB
7/9/2025	NDMA_LL	2507091412C	N-Nitrosodimethylamine	1.09	ng/L	0.47	0.34		RB A TB FB

Analytical Results for Sampling Events at JP-2-447

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/9/2025	8260_LL	2507091025C	Carbon Dioxide	28	ug/L	NA	NA		J RB TIC FB

Analytical Results for Sampling Events at JP-3-509

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/7/2025	NDMA_LL	2507071027C	N-Nitrosodimethylamine	0.51	ng/L	0.48	0.35		K RB A FB

Analytical Results for Sampling Events at JP-3-689

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/7/2025	NDMA_LL	2507071402C	N-Nitrosodimethylamine	0.36	ng/L	0.48	0.35		J K RB A

Analytical Results for Sampling Events at NASA 4

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/19/2025	8260	2505191005A	Trimethylsilyl fluoride	1.4	ug/L	NA	NA		J TIC
5/19/2025	8260	2505191006A	Trimethylsilyl fluoride	1.4	ug/L	NA	NA		J TIC
5/19/2025	607	2505191008A	Bromacil	7.64	µg/L	0.0095	0.0048	117	G R
5/19/2025	607	2505191008A	Bromacil	3.73	µg/L	0.19	0.095	117	D
5/19/2025	METALS	2505191010A	Manganese, Total	0.005	mg/L	0.010	0.004		J
5/19/2025	METALS	2505191010A	Strontium, Total	3.38	mg/L	0.10	0.002		
5/19/2025	METALS	2505191010A	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
5/19/2025	METALS	2505191010A	Sodium, Total	51.6	mg/L	1.0	0.3		
5/19/2025	METALS	2505191010A	Potassium, Total	4.3	mg/L	2.0	0.4		
5/19/2025	METALS	2505191010A	Nickel, Total	0.055	mg/L	0.040	0.003		
5/19/2025	METALS	2505191010A	Molybdenum, Total	0.018	mg/L	0.025	0.003		J
5/19/2025	METALS	2505191010A	Iron, Total	0.2	mg/L	0.10	0.07		
5/19/2025	METALS	2505191010A	Cobalt, Total	0.0009	mg/L	0.050	0.0009		J
5/19/2025	METALS	2505191010A	Chromium, Total	0.065	mg/L	0.010	0.002		
5/19/2025	METALS	2505191010A	Calcium, Total	108	mg/L	1.0	0.3		
5/19/2025	METALS	2505191010A	Boron, Total	0.1	mg/L	0.20	0.02		J
5/19/2025	METALS	2505191010A	Arsenic, Total	0.0007	mg/L	0.0010	0.0004		J
5/19/2025	METALS	2505191010A	Barium, Total	0.035	mg/L	0.020	0.003		
5/19/2025	METALS	2505191010A	Magnesium, Total	61.8	mg/L	1.0	0.03		

Analytical Results for Sampling Events at PL-10-484

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/2/2025	NDMA_LL	2507021451Y	N-Nitrosodimethylamine	0.67	ng/L	0.5	0.37		

Analytical Results for Sampling Events at PL-10-592

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/2/2025	8260_LL	2507021040Y	Carbon Dioxide	30	ug/L	NA	NA		J RB TIC TB
7/2/2025	NDMA_LL	2507021041Y	N-Nitrosodimethylamine	0.9	ng/L	0.48	0.35		TB EB

Analytical Results for Sampling Events at PL-11-470

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/2/2025	8260_LL	2506021345B	(2-Aziridinylethyl)amine	44	ug/L	NA	NA		J TIC RB TB
6/2/2025	NDMA_LL	2506021347B	N-Nitrosodimethylamine	0.75	ng/L	0.48	0.35		A
6/2/2025	8270	2506021349B	1,4-Dioxane	1.4	ug/L	0.040	0.035		

Analytical Results for Sampling Events at PL-11-530

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/3/2025	8260_LL	2506031211B	(2-Aziridinylethyl)amine	40	ug/L	NA	NA		J TIC RB FB
6/3/2025	NDMA_LL	2506031213B	N-Nitrosodimethylamine	0.79	ng/L	0.48	0.35		A
6/3/2025	NDMA_LL	2506031215B	N-Nitrosodimethylamine	0.59	ng/L	0.47	0.34		A
6/3/2025	8270	2506031216B	1,4-Dioxane	0.28	ug/L	0.040	0.035		

Analytical Results for Sampling Events at PL-11-710

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/3/2025	8260_LL	2506031226B	(2-Aziridinylethyl)amine	44	ug/L	NA	NA		J TIC RB FB
6/3/2025	NDMA_LL	2506031228B	N-Nitrosodimethylamine	1.08	ng/L	0.48	0.35		A
6/3/2025	8270	2506031230B	1,4-Dioxane	1.2	ug/L	0.040	0.035		

Analytical Results for Sampling Events at PL-11-820

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/4/2025	8260_LL	2506041210B	Toluene	0.26	ug/L	0.50	0.20		J
6/4/2025	NDMA_LL	2506041212B	N-Nitrosodimethylamine	0.83	ng/L	0.47	0.34		A FB

Analytical Results for Sampling Events at PL-11-980

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/4/2025	NDMA_LL	2506041232B	N-Nitrosodimethylamine	1.08	ng/L	0.47	0.34		A

Analytical Results for Sampling Events at PL-12-570

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/20/2025	8260	2505201430A	Trichlorofluoromethane (CFC 11)	5	ug/L	1.0	0.24		
5/20/2025	8260	2505201430A	Trichloroethene (TCE)	5.6	ug/L	1.0	0.20		
5/20/2025	8260	2505201430A	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.8	ug/L	1.0	0.20		
5/20/2025	8260	2505201430A	Trimethylsilyl fluoride	1.1	ug/L	NA	NA		J TIC
5/20/2025	NDMA_LL	2506111420C	N-Nitrosodimethylamine	0.49	ng/L	0.47	0.34		

Analytical Results for Sampling Events at PL-12-800

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/20/2025	8260	2505200937A	1,1,2-Trichloro-1,2,2-Trifluoroethane	3.6	ug/L	1.0	0.20		
5/20/2025	8260	2505200937A	Trichloroethene (TCE)	5.3	ug/L	1.0	0.20		
5/20/2025	8260	2505200937A	Trichlorofluoromethane (CFC 11)	5.7	ug/L	1.0	0.24		
5/20/2025	NDMA_LL	2505200939A	N-Nitrosodimethylamine	2.16	ng/L	0.48	0.35		A RB FB
5/20/2025	NDMA_LL	2505200940A	N-Nitrosodimethylamine	2.23	ng/L	0.47	0.34		A RB FB

Analytical Results for Sampling Events at PL-1-486

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/10/2025	8260_LL	2507100930C	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.58	ug/L	0.50	0.20		
7/10/2025	8260_LL	2507100930C	Carbon Dioxide	26	ug/L	NA	NA		J RB TIC TB
7/10/2025	8260_LL	2507100931C	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.56	ug/L	0.50	0.20		
7/10/2025	8260_LL	2507100931C	Carbon Dioxide	27	ug/L	NA	NA		J RB TIC TB
7/10/2025	NDMA_LL	2507100933C	N-Nitrosodimethylamine	0.36	ng/L	0.47	0.34		J

Analytical Results for Sampling Events at PL-2-504

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/17/2025	8260	2506170830C	Tetrachloroethene (PCE)	0.93	ug/L	1.0	0.21		J
6/17/2025	8260	2506170830C	Trichloroethene (TCE)	52	ug/L	1.0	0.20		
6/17/2025	8260	2506170830C	Trichlorofluoromethane (CFC 11)	38	ug/L	1.0	0.24		Q
6/17/2025	8260	2506170830C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.26	ug/L	1.0	0.20		J
6/17/2025	8260	2506170830C	1,1,2-Trichloro-1,2,2-Trifluoroethane	33	ug/L	1.0	0.20		Q
6/17/2025	8260	2506170830C	Dichlorofluoromethane (CFC 21)	0.61	ug/L	1.0	0.20		J
6/17/2025	8260	2506170831C	Trichlorofluoromethane (CFC 11)	38	ug/L	1.0	0.24		Q
6/17/2025	8260	2506170831C	Trimethylsilyl fluoride	0.85	ug/L	NA	NA		J TIC
6/17/2025	8260	2506170831C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.2	ug/L	1.0	0.20		J
6/17/2025	8260	2506170831C	Trichloroethene (TCE)	55	ug/L	1.0	0.20		
6/17/2025	8260	2506170831C	Tetrachloroethene (PCE)	0.94	ug/L	1.0	0.21		J
6/17/2025	8260	2506170831C	Dichlorofluoromethane (CFC 21)	0.65	ug/L	1.0	0.20		J
6/17/2025	8260	2506170831C	1,1,2-Trichloro-1,2,2-Trifluoroethane	32	ug/L	1.0	0.20		Q
6/17/2025	607	2506170833C	N-Nitrosodimethylamine	0.008	µg/L	0.0094	0.0047	50	J
6/17/2025	607	2506170833C	N-Nitrodimethylamine	0.01	µg/L	0.0094	0.0047	79	
6/17/2025	607	2506170833C	Bromacil	0.005	µg/L	0.0094	0.0047	110	J Q
6/17/2025	NDMA_LL	2506170834C	N-Nitrosodimethylamine	37.49	ng/L	0.47	0.34		
6/17/2025	NDMA_LL	2506170834C	N-Nitrodimethylamine	20.95	ng/L	0.47	0.33		
6/17/2025	METALS	2506170836C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/17/2025	METALS	2506170836C	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
6/17/2025	METALS	2506170836C	Zinc, Total	0.005	mg/L	0.020	0.003		J RB
6/17/2025	METALS	2506170836C	Strontium, Total	2.72	mg/L	0.10	0.002		
6/17/2025	METALS	2506170836C	Sodium, Total	42.4	mg/L	1.0	0.3		
6/17/2025	METALS	2506170836C	Potassium, Total	3.9	mg/L	2.0	0.4		
6/17/2025	METALS	2506170836C	Nickel, Total	0.05	mg/L	0.040	0.003		
6/17/2025	METALS	2506170836C	Antimony, Total	0.0028	mg/L	0.0010	0.0002		
6/17/2025	METALS	2506170836C	Chromium, Total	0.007	mg/L	0.010	0.002		J
6/17/2025	METALS	2506170836C	Calcium, Total	87.8	mg/L	1.0	0.3		
6/17/2025	METALS	2506170836C	Boron, Total	0.09	mg/L	0.20	0.02		J Q
6/17/2025	METALS	2506170836C	Barium, Total	0.028	mg/L	0.020	0.003		
6/17/2025	METALS	2506170836C	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
6/17/2025	METALS	2506170836C	Magnesium, Total	61.6	mg/L	1.0	0.03		

Analytical Results for Sampling Events at PL-6-545

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/1/2025	NDMA_LL	2507011346Y	N-Nitrosodimethylamine	0.53	ng/L	0.47	0.34		EB

Analytical Results for Sampling Events at PL-6-725

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/1/2025	8260_LL	2507010945Y	Sulfur Dioxide	5.6	ug/L	NA	NA		J RB TIC EB
7/1/2025	NDMA_LL	2507010946Y	N-Nitrosodimethylamine	0.44	ng/L	0.48	0.35		J EB

Analytical Results for Sampling Events at PL-7-560

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/12/2025	NDMA_LL	2505121410Y	N-Nitrosodimethylamine	1	ng/L	0.48	0.35		RB EB
5/12/2025	METALS	2505121411Y	Potassium, Total	3.7	mg/L	2.0	0.4		
5/12/2025	METALS	2505121411Y	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
5/12/2025	METALS	2505121411Y	Strontium, Total	2.53	mg/L	0.10	0.002		
5/12/2025	METALS	2505121411Y	Calcium, Total	91	mg/L	1.0	0.3		
5/12/2025	METALS	2505121411Y	Sodium, Total	35.3	mg/L	1.0	0.3		
5/12/2025	METALS	2505121411Y	Zinc, Total	0.007	mg/L	0.020	0.003		J
5/12/2025	METALS	2505121411Y	Nickel, Total	0.044	mg/L	0.040	0.003		
5/12/2025	METALS	2505121411Y	Magnesium, Total	65.9	mg/L	1.0	0.03		
5/12/2025	METALS	2505121411Y	Boron, Total	0.06	mg/L	0.20	0.02		J
5/12/2025	METALS	2505121411Y	Barium, Total	0.019	mg/L	0.020	0.003		J
5/12/2025	METALS	2505121411Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J

Analytical Results for Sampling Events at PL-8-455

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/9/2025	8270	2506091300Y	1,4-Dioxane	0.045	ug/L	0.040	0.035		

Analytical Results for Sampling Events at PL-8-605

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/6/2025	NDMA_LL	2506060941Y	N-Nitrosodimethylamine	0.75	ng/L	0.5	0.36		

Analytical Results for Sampling Events at PL-8-965

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/6/2025	NDMA_LL	2506061221Y	N-Nitrosodimethylamine	0.58	ng/L	0.48	0.35		

Analytical Results for Sampling Events at ST-1-473

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/2/2025	8260	2506021030A	Tetrachloroethene (PCE)	1.2	ug/L	1.0	0.21		
6/2/2025	8260	2506021030A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.49	ug/L	1.0	0.20		J
6/2/2025	8260	2506021030A	Trichloroethene (TCE)	76	ug/L	1.0	0.20		
6/2/2025	8260	2506021030A	1,1,2-Trichloro-1,2,2-Trifluoroethane	59	ug/L	1.0	0.20		
6/2/2025	8260	2506021030A	Dichlorofluoromethane (CFC 21)	0.28	ug/L	1.0	0.20		J
6/2/2025	8260	2506021030A	Trichlorofluoromethane (CFC 11)	45	ug/L	1.0	0.24		
6/2/2025	607	2506021032A	N-Nitrosodimethylamine	0.19	µg/L	0.0096	0.0048	57	
6/2/2025	607	2506021032A	N-Nitrodimethylamine	0.09	µg/L	0.0096	0.0048	81	
6/2/2025	607	2506021032A	Bromacil	0.008	µg/L	0.0096	0.0048	190	J
6/2/2025	METALS	2506021033A	Calcium, Total	103	mg/L	1.0	0.3		
6/2/2025	METALS	2506021033A	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
6/2/2025	METALS	2506021033A	Magnesium, Total	66.6	mg/L	1.0	0.03		
6/2/2025	METALS	2506021033A	Zinc, Total	0.01	mg/L	0.020	0.003		J RB
6/2/2025	METALS	2506021033A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/2/2025	METALS	2506021033A	Strontium, Total	2.46	mg/L	0.10	0.002		
6/2/2025	METALS	2506021033A	Sodium, Total	37.1	mg/L	1.0	0.3		
6/2/2025	METALS	2506021033A	Potassium, Total	3.2	mg/L	2.0	0.4		
6/2/2025	METALS	2506021033A	Chromium, Total	0.025	mg/L	0.010	0.002		
6/2/2025	METALS	2506021033A	Nickel, Total	0.038	mg/L	0.040	0.003		J
6/2/2025	METALS	2506021033A	Boron, Total	0.06	mg/L	0.20	0.02		J
6/2/2025	METALS	2506021033A	Barium, Total	0.022	mg/L	0.020	0.003		
6/2/2025	METALS	2506021033A	Arsenic, Total	0.0004	mg/L	0.0010	0.0004		J
6/2/2025	METALS	2506021033A	Antimony, Total	0.0002	mg/L	0.0010	0.0002		J
6/2/2025	METALS	2506021033A	Aluminum, Total	0.03	mg/L	0.10	0.03		J
6/2/2025	METALS	2506021033A	Iron, Total	0.14	mg/L	0.10	0.07		
6/2/2025	ANIONS	2506021034A	Sulfate	315	mg/L	20	4		
6/2/2025	ANIONS	2506021034A	Fluoride, undistilled	0.74	mg/L	0.10	0.010		
6/2/2025	ANIONS	2506021034A	Chloride	52	mg/L	2.0	0.5		
6/2/2025	ANIONS	2506021034A	Alkalinity, Total as CaCO3	208	mg/L	2.0	1.8		
6/2/2025	SM2540C	2506021035A	Total Dissolved Solids (TDS)	817	mg/L	10	10		
6/2/2025	6850	2506021036A	Perchlorate	0.61	ug/L	0.20	0.019		
6/2/2025	353.2	2506021037A	Nitrate+Nitrite as Nitrogen	2.59	mg/L	0.25	0.008		

Analytical Results for Sampling Events at ST-1-541

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/21/2025	8260	2505210948C	Trichloroethene (TCE)	170	ug/L	1.0	0.20		
5/21/2025	8260	2505210948C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.7	ug/L	1.0	0.20		
5/21/2025	8260	2505210948C	Trichlorofluoromethane (CFC 11)	170	ug/L	1.0	0.24		
5/21/2025	8260	2505210948C	Tetrachloroethene (PCE)	7.8	ug/L	1.0	0.21		
5/21/2025	8260	2505210948C	Dichlorofluoromethane (CFC 21)	0.99	ug/L	1.0	0.20		J
5/21/2025	8260	2505210948C	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	0.24	ug/L	1.0	0.20		J
5/21/2025	8260	2505210948C	1,1,2-Trichloro-1,2,2-Trifluoroethane	340	ug/L	5.0	1.0		D
5/21/2025	8260	2505210948C	cis-1,2-Dichloroethene	0.23	ug/L	1.0	0.23		J
5/21/2025	8260	2505210950C	1,1,2-Trichloro-1,2,2-Trifluoroethane	320	ug/L	5.0	1.0		D
5/21/2025	8260	2505210950C	Dichlorofluoromethane (CFC 21)	1	ug/L	1.0	0.20		
5/21/2025	8260	2505210950C	Tetrachloroethene (PCE)	7.7	ug/L	1.0	0.21		
5/21/2025	8260	2505210950C	Trichloroethene (TCE)	170	ug/L	1.0	0.20		
5/21/2025	8260	2505210950C	Trichlorofluoromethane (CFC 11)	170	ug/L	1.0	0.24		
5/21/2025	8260	2505210950C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.7	ug/L	1.0	0.20		
5/21/2025	607	2505211000C	N-Nitrosodimethylamine	1.6	µg/L	0.0094	0.0047	44	
5/21/2025	607	2505211000C	Bromacil	0.16	µg/L	0.0094	0.0047	117	
5/21/2025	607	2505211000C	N-Nitrodimethylamine	1.27	µg/L	0.0094	0.0047	70	
5/21/2025	607	2505211002C	N-Nitrosodimethylamine	1.36	µg/L	0.0094	0.0047	44	
5/21/2025	607	2505211002C	N-Nitrodimethylamine	1.06	µg/L	0.0094	0.0047	70	
5/21/2025	607	2505211002C	Bromacil	0.16	µg/L	0.0094	0.0047	117	

Analytical Results for Sampling Events at ST-1-630

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/15/2025	8260	2505151435C	Trichlorofluoromethane (CFC 11)	240	ug/L	0.50	0.24		G
5/15/2025	8260	2505151435C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.3	ug/L	0.50	0.20		
5/15/2025	8260	2505151435C	Trichloroethene (TCE)	310	ug/L	0.50	0.20		G
5/15/2025	8260	2505151435C	Tetrachloroethene (PCE)	10	ug/L	0.50	0.21		
5/15/2025	8260	2505151435C	Dichlorofluoromethane (CFC 21)	0.97	ug/L	0.50	0.20		
5/15/2025	8260	2505151435C	2,2-Dichloro-1,1,1-trifluoroethane (CFC 123)	0.3	ug/L	0.50	0.20		J
5/15/2025	8260	2505151435C	1,1,2-Trichloro-1,2,2-Trifluoroethane	320	ug/L	0.50	0.20		G
5/15/2025	607	2505151437C	N-Nitrodimethylamine	0.1	µg/L	0.0096	0.0048	62	
5/15/2025	607	2505151437C	Bromacil	0.006	µg/L	0.0096	0.0048	96	J Q
5/15/2025	607	2505151437C	N-Nitrosodimethylamine	0.14	µg/L	0.0096	0.0048	39	
5/15/2025	METALS	2505151438C	Molybdenum, Total	0.006	mg/L	0.025	0.003		J
5/15/2025	METALS	2505151438C	Magnesium, Total	71.5	mg/L	1.0	0.03		
5/15/2025	METALS	2505151438C	Zinc, Total	0.005	mg/L	0.020	0.003		J
5/15/2025	METALS	2505151438C	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
5/15/2025	METALS	2505151438C	Strontium, Total	2.55	mg/L	0.10	0.002		
5/15/2025	METALS	2505151438C	Sodium, Total	38.1	mg/L	1.0	0.3		
5/15/2025	METALS	2505151438C	Nickel, Total	0.036	mg/L	0.040	0.003		J
5/15/2025	METALS	2505151438C	Aluminum, Total	0.15	mg/L	0.10	0.03		Q
5/15/2025	METALS	2505151438C	Chromium, Total	0.002	mg/L	0.010	0.002		J
5/15/2025	METALS	2505151438C	Potassium, Total	3.5	mg/L	2.0	0.4		
5/15/2025	METALS	2505151438C	Calcium, Total	102	mg/L	1.0	0.3		
5/15/2025	METALS	2505151438C	Boron, Total	0.07	mg/L	0.20	0.02		J
5/15/2025	METALS	2505151438C	Barium, Total	0.024	mg/L	0.020	0.003		
5/15/2025	METALS	2505151438C	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
5/15/2025	METALS	2505151438C	Iron, Total	0.08	mg/L	0.10	0.07		J Q
5/15/2025	ANIONS	2505151439C	Alkalinity, Total as CaCO3	224	mg/L	2.0	1.8		
5/15/2025	ANIONS	2505151439C	Chloride	54.7	mg/L	2.0	0.5		
5/15/2025	ANIONS	2505151439C	Fluoride, undistilled	0.6	mg/L	0.10	0.010		
5/15/2025	ANIONS	2505151439C	Sulfate	326	mg/L	20	4		
5/15/2025	SM2540C	2505151440C	Total Dissolved Solids (TDS)	846	mg/L	10	9		
5/15/2025	6850	2505151441C	Perchlorate	0.6	ug/L	0.20	0.019		
5/15/2025	353.2	2505151442C	Nitrate+Nitrite as Nitrogen	2.74	mg/L	0.25	0.008		

Analytical Results for Sampling Events at ST-3-486

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/10/2025	8260	2506100915C	1,1,2-Trichloro-1,2,2-Trifluoroethane	19	ug/L	1.0	0.20		
6/10/2025	8260	2506100915C	Trichloroethene (TCE)	4	ug/L	1.0	0.20		
6/10/2025	8260	2506100915C	Trichlorofluoromethane (CFC 11)	10	ug/L	1.0	0.24		
6/10/2025	607	2506100917C	N-Nitrosodimethylamine	0.008	µg/L	0.0094	0.0047	51	J
6/10/2025	607	2506100917C	N-Nitrodimethylamine	0.008	µg/L	0.0094	0.0047	79	J
6/10/2025	METALS	2506100918C	Molybdenum, Total	0.011	mg/L	0.025	0.003		J
6/10/2025	METALS	2506100918C	Zinc, Total	0.005	mg/L	0.020	0.003		J RB
6/10/2025	METALS	2506100918C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/10/2025	METALS	2506100918C	Strontium, Total	2.18	mg/L	0.10	0.002		
6/10/2025	METALS	2506100918C	Sodium, Total	34.6	mg/L	1.0	0.3		
6/10/2025	METALS	2506100918C	Potassium, Total	2.7	mg/L	2.0	0.4		
6/10/2025	METALS	2506100918C	Nickel, Total	0.032	mg/L	0.040	0.003		J
6/10/2025	METALS	2506100918C	Iron, Total	0.1	mg/L	0.10	0.07		
6/10/2025	METALS	2506100918C	Chromium, Total	0.014	mg/L	0.010	0.002		
6/10/2025	METALS	2506100918C	Calcium, Total	91.7	mg/L	1.0	0.3		
6/10/2025	METALS	2506100918C	Boron, Total	0.06	mg/L	0.20	0.02		J
6/10/2025	METALS	2506100918C	Magnesium, Total	56.4	mg/L	1.0	0.03		
6/10/2025	METALS	2506100918C	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
6/10/2025	METALS	2506100918C	Barium, Total	0.02	mg/L	0.020	0.003		
6/10/2025	ANIONS	2506100919C	Chloride	41.9	mg/L	2.0	0.5		
6/10/2025	ANIONS	2506100919C	Fluoride, undistilled	1.05	mg/L	0.10	0.010		
6/10/2025	ANIONS	2506100919C	Alkalinity, Total as CaCO3	199	mg/L	2.0	1.8		
6/10/2025	ANIONS	2506100919C	Sulfate	308	mg/L	20	4		
6/10/2025	SM2540C	2506100920C	Total Dissolved Solids (TDS)	755	mg/L	10	9		
6/10/2025	6850	2506100921C	Perchlorate	0.37	ug/L	0.20	0.019		
6/10/2025	353.2	2506100922C	Nitrate+Nitrite as Nitrogen	0.885	mg/L	0.050	0.002		

Analytical Results for Sampling Events at ST-3-586

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/10/2025	8260	2506101425C	Trichlorofluoromethane (CFC 11)	1.1	ug/L	1.0	0.24		
6/10/2025	8260	2506101425C	1,1,2-Trichloro-1,2,2-Trifluoroethane	4.1	ug/L	1.0	0.20		
6/10/2025	8260	2506101425C	Trichloroethene (TCE)	2	ug/L	1.0	0.20		
6/10/2025	8260	2506101426C	Trichlorofluoromethane (CFC 11)	1	ug/L	1.0	0.24		
6/10/2025	8260	2506101426C	Trichloroethene (TCE)	2.3	ug/L	1.0	0.20		
6/10/2025	8260	2506101426C	1,1,2-Trichloro-1,2,2-Trifluoroethane	4.3	ug/L	1.0	0.20		
6/10/2025	METALS	2506101429C	Magnesium, Total	57.3	mg/L	1.0	0.03		
6/10/2025	METALS	2506101429C	Zinc, Total	0.005	mg/L	0.020	0.003		J RB
6/10/2025	METALS	2506101429C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/10/2025	METALS	2506101429C	Strontium, Total	2.21	mg/L	0.10	0.002		
6/10/2025	METALS	2506101429C	Sodium, Total	35.2	mg/L	1.0	0.3		
6/10/2025	METALS	2506101429C	Potassium, Total	2.9	mg/L	2.0	0.4		
6/10/2025	METALS	2506101429C	Molybdenum, Total	0.007	mg/L	0.025	0.003		J
6/10/2025	METALS	2506101429C	Chromium, Total	0.004	mg/L	0.010	0.002		J
6/10/2025	METALS	2506101429C	Calcium, Total	89.1	mg/L	1.0	0.3		
6/10/2025	METALS	2506101429C	Boron, Total	0.06	mg/L	0.20	0.02		J
6/10/2025	METALS	2506101429C	Barium, Total	0.022	mg/L	0.020	0.003		
6/10/2025	METALS	2506101429C	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
6/10/2025	METALS	2506101429C	Nickel, Total	0.031	mg/L	0.040	0.003		J

Analytical Results for Sampling Events at ST-3-666

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/11/2025	8260	2506110920C	Trichlorofluoromethane (CFC 11)	3	ug/L	1.0	0.24		A
6/11/2025	8260	2506110920C	Trichloroethene (TCE)	5.6	ug/L	1.0	0.20		
6/11/2025	8260	2506110920C	1,1,2-Trichloro-1,2,2-Trifluoroethane	5.7	ug/L	1.0	0.20		
6/11/2025	8260	2506110920C	Trimethylsilyl fluoride	1.3	ug/L	NA	NA		J TIC
6/11/2025	607	2506110922C	N-Nitrosodimethylamine	0.02	µg/L	0.0099	0.005	51	
6/11/2025	607	2506110922C	N-Nitrodimethylamine	0.01	µg/L	0.0099	0.005	79	
6/11/2025	METALS	2506110923C	Magnesium, Total	58.6	mg/L	1.0	0.03		
6/11/2025	METALS	2506110923C	Zinc, Total	0.006	mg/L	0.020	0.003		J RB
6/11/2025	METALS	2506110923C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/11/2025	METALS	2506110923C	Strontium, Total	2.27	mg/L	0.10	0.002		
6/11/2025	METALS	2506110923C	Sodium, Total	36.4	mg/L	1.0	0.3		
6/11/2025	METALS	2506110923C	Potassium, Total	3.1	mg/L	2.0	0.4		
6/11/2025	METALS	2506110923C	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
6/11/2025	METALS	2506110923C	Calcium, Total	92.5	mg/L	1.0	0.3		
6/11/2025	METALS	2506110923C	Boron, Total	0.06	mg/L	0.20	0.02		J
6/11/2025	METALS	2506110923C	Barium, Total	0.022	mg/L	0.020	0.003		
6/11/2025	METALS	2506110923C	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
6/11/2025	METALS	2506110923C	Nickel, Total	0.031	mg/L	0.040	0.003		J
6/11/2025	ANIONS	2506110924C	Sulfate	305	mg/L	20	4		
6/11/2025	ANIONS	2506110924C	Fluoride, undistilled	0.98	mg/L	0.10	0.010		
6/11/2025	ANIONS	2506110924C	Chloride	41.1	mg/L	2.0	0.5		
6/11/2025	ANIONS	2506110924C	Alkalinity, Total as CaCO3	203	mg/L	2.0	1.8		
6/11/2025	SM2540C	2506110925C	Total Dissolved Solids (TDS)	749	mg/L	10	9		
6/11/2025	6850	2506110926C	Perchlorate	0.36	ug/L	0.20	0.019		
6/11/2025	353.2	2506110927C	Nitrate+Nitrite as Nitrogen	0.867	mg/L	0.050	0.002		

Analytical Results for Sampling Events at ST-3-735

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/4/2025	8260	2506041420A	1,1,2-Trichloro-1,2,2-Trifluoroethane	5	ug/L	1.0	0.20		
6/4/2025	8260	2506041420A	Tetrachloroethene (PCE)	0.36	ug/L	1.0	0.21		J
6/4/2025	8260	2506041420A	Trichloroethene (TCE)	16	ug/L	1.0	0.20		
6/4/2025	8260	2506041420A	Trichlorofluoromethane (CFC 11)	8.7	ug/L	1.0	0.24		
6/4/2025	607	2506041422A	N-Nitrodimethylamine	0.15	µg/L	0.0097	0.0049	81	
6/4/2025	607	2506041422A	Bromacil	0.006	µg/L	0.0097	0.0049	190	J
6/4/2025	607	2506041422A	N-Nitrosodimethylamine	0.22	µg/L	0.0097	0.0049	57	
6/4/2025	607	2506041423A	N-Nitrosodimethylamine	0.23	µg/L	0.0096	0.0048	57	
6/4/2025	607	2506041423A	N-Nitrodimethylamine	0.15	µg/L	0.0096	0.0048	81	
6/4/2025	607	2506041423A	Bromacil	0.006	µg/L	0.0096	0.0048	190	J
6/4/2025	METALS	2506041424A	Potassium, Total	2.6	mg/L	2.0	0.4		
6/4/2025	METALS	2506041424A	Zinc, Total	0.008	mg/L	0.020	0.003		J RB
6/4/2025	METALS	2506041424A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
6/4/2025	METALS	2506041424A	Molybdenum, Total	0.055	mg/L	0.025	0.003		
6/4/2025	METALS	2506041424A	Sodium, Total	35.2	mg/L	1.0	0.3		
6/4/2025	METALS	2506041424A	Nickel, Total	0.058	mg/L	0.040	0.003		
6/4/2025	METALS	2506041424A	Chromium, Total	0.018	mg/L	0.010	0.002		
6/4/2025	METALS	2506041424A	Magnesium, Total	57.9	mg/L	1.0	0.03		
6/4/2025	METALS	2506041424A	Calcium, Total	99.8	mg/L	1.0	0.3		
6/4/2025	METALS	2506041424A	Boron, Total	0.06	mg/L	0.20	0.02		J
6/4/2025	METALS	2506041424A	Barium, Total	0.018	mg/L	0.020	0.003		J
6/4/2025	METALS	2506041424A	Arsenic, Total	0.0004	mg/L	0.0010	0.0004		J
6/4/2025	METALS	2506041424A	Strontium, Total	2.21	mg/L	0.10	0.002		

Analytical Results for Sampling Events at ST-4-481

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/9/2025	8260_LL	2506091425C	Sulfur Dioxide	2.1	ug/L	NA	NA		J TIC

Analytical Results for Sampling Events at ST-4-589

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/20/2025	NDMA_LL	2505200956C	N-Nitrosodimethylamine	0.99	ng/L	0.47	0.34		A K RB FB

Analytical Results for Sampling Events at ST-4-690

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/9/2025	METALS	2506091025C	Nickel, Total	0.054	mg/L	0.040	0.003		
6/9/2025	METALS	2506091025C	Thallium, Total	0.00005	mg/L	0.0010	0.00004		J
6/9/2025	METALS	2506091025C	Strontium, Total	1.29	mg/L	0.10	0.002		
6/9/2025	METALS	2506091025C	Sodium, Total	114	mg/L	1.0	0.3		
6/9/2025	METALS	2506091025C	Boron, Total	0.2	mg/L	0.20	0.02		
6/9/2025	METALS	2506091025C	Potassium, Total	8.6	mg/L	2.0	0.4		
6/9/2025	METALS	2506091025C	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
6/9/2025	METALS	2506091025C	Molybdenum, Total	0.038	mg/L	0.025	0.003		
6/9/2025	METALS	2506091025C	Magnesium, Total	18.2	mg/L	1.0	0.03		
6/9/2025	METALS	2506091025C	Calcium, Total	30.7	mg/L	1.0	0.3		
6/9/2025	METALS	2506091025C	Zinc, Total	0.007	mg/L	0.020	0.003		J RB
6/9/2025	METALS	2506091025C	Barium, Total	0.027	mg/L	0.020	0.003		
6/9/2025	METALS	2506091025C	Arsenic, Total	0.0029	mg/L	0.0010	0.0004		
6/9/2025	METALS	2506091025C	Chromium, Total	0.003	mg/L	0.010	0.002		J
6/9/2025	ANIONS	2506091026C	Sulfate	207	mg/L	20	4		
6/9/2025	ANIONS	2506091026C	Fluoride, undistilled	0.69	mg/L	0.10	0.010		
6/9/2025	ANIONS	2506091026C	Chloride	22.6	mg/L	2.0	0.5		
6/9/2025	ANIONS	2506091026C	Alkalinity, Total as CaCO3	193	mg/L	2.0	1.8		
6/9/2025	SM2540C	2506091027C	Total Dissolved Solids (TDS)	574	mg/L	10	10		
6/9/2025	353.2	2506091029C	Nitrate+Nitrite as Nitrogen	0.014	mg/L	0.050	0.002		J

Analytical Results for Sampling Events at ST-5-485

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/8/2025	NDMA_LL	2505081351Y	N-Nitrosodimethylamine	1.15	ng/L	0.47	0.34		A EB

Analytical Results for Sampling Events at ST-5-655

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/8/2025	NDMA_LL	2505080946Y	N-Nitrosodimethylamine	0.57	ng/L	0.48	0.35		A EB

Analytical Results for Sampling Events at ST-6-528

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/5/2025	8260_LL	2506051301B	1,4-Dioxane, 2,5-dimethyl-	0.66	ug/L	NA	NA		J TIC
6/5/2025	NDMA_LL	2506051303B	N-Nitrosodimethylamine	0.44	ng/L	0.48	0.35		J
6/5/2025	8270	2506051305B	1,4-Dioxane	0.5	ug/L	0.040	0.035		

Analytical Results for Sampling Events at ST-6-568

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/5/2025	NDMA_LL	2506051314B	N-Nitrosodimethylamine	0.82	ng/L	0.48	0.35		
6/5/2025	8270	2506051316B	1,4-Dioxane	0.95	ug/L	0.040	0.035		

Analytical Results for Sampling Events at ST-6-678

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/5/2025	8260_LL	2506051321B	1,4-Dioxane, 2,5-dimethyl-	0.86	ug/L	NA	NA		J TIC
6/5/2025	8260_LL	2506051321B	Toluene	0.22	ug/L	0.50	0.20		J
6/5/2025	NDMA_LL	2506051323B	N-Nitrosodimethylamine	0.37	ng/L	0.48	0.35		J K
6/5/2025	8270	2506051325B	1,4-Dioxane	0.18	ug/L	0.040	0.035		

Analytical Results for Sampling Events at ST-6-824

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/6/2025	8260_LL	2506061221B	1,4-Dioxane	15	ug/L	40	6.4		J
6/6/2025	8260_LL	2506061221B	Toluene	0.35	ug/L	0.50	0.20		J
6/6/2025	8260_LL	2506061221B	1,4-Dioxane, 2,5-dimethyl-	2.6	ug/L	NA	NA		J TIC
6/6/2025	NDMA_LL	2506061223B	N-Nitrosodimethylamine	0.6	ng/L	0.48	0.35		K

Analytical Results for Sampling Events at ST-6-970

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/6/2025	NDMA_LL	2506061233B	N-Nitrosodimethylamine	0.37	ng/L	0.47	0.34		J

Analytical Results for Sampling Events at ST-7-544

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/1/2025	8260_LL	2507011310B	1,4-Dioxane	19	ug/L	40	6.4		J
7/1/2025	NDMA_LL	2507011312B	N-Nitrosodimethylamine	0.51	ng/L	0.5	0.37		K
7/1/2025	NDMA_LL	2507011314B	N-Nitrosodimethylamine	0.72	ng/L	0.49	0.35		K

Analytical Results for Sampling Events at ST-7-779

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/1/2025	8260_LL	2507011221B	1,4-Dioxane	28	ug/L	40	6.4		J
7/1/2025	NDMA_LL	2507011223B	N-Nitrosodimethylamine	0.68	ng/L	0.47	0.34		K

Analytical Results for Sampling Events at ST-7-970

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/1/2025	NDMA_LL	2507011122B	N-Nitrosodimethylamine	0.37	ng/L	0.48	0.35		J K FB

Analytical Results for Sampling Events at WB-1-200

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/15/2025	8260	2505150940Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.2	ug/L	1.0	0.20		
5/15/2025	8260	2505150940Y	Dichlorofluoromethane (CFC 21)	5.5	ug/L	1.0	0.20		
5/15/2025	8260	2505150940Y	Trichloroethene (TCE)	0.33	ug/L	1.0	0.20		J
5/15/2025	8260	2505150940Y	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	5	ug/L	1.0	0.20		
5/15/2025	8260	2505150940Y	Sulfur Dioxide	4.2	ug/L	NA	NA		J TIC
5/15/2025	METALS	2505151010Y	Barium, Total	0.024	mg/L	0.020	0.003		EB
5/15/2025	METALS	2505151010Y	Vanadium, Total	0.0007	mg/L	0.050	0.0007		J
5/15/2025	METALS	2505151010Y	Strontium, Total	4.73	mg/L	0.10	0.002		
5/15/2025	METALS	2505151010Y	Sodium, Total	36.8	mg/L	1.0	0.3		
5/15/2025	METALS	2505151010Y	Potassium, Total	2.8	mg/L	2.0	0.4		
5/15/2025	METALS	2505151010Y	Nickel, Total	0.029	mg/L	0.040	0.003		J EB
5/15/2025	METALS	2505151010Y	Manganese, Total	0.102	mg/L	0.010	0.004		
5/15/2025	METALS	2505151010Y	Magnesium, Total	71.6	mg/L	1.0	0.03		
5/15/2025	METALS	2505151010Y	Boron, Total	0.07	mg/L	0.20	0.02		J
5/15/2025	METALS	2505151010Y	Calcium, Total	138	mg/L	1.0	0.3		

Analytical Results for Sampling Events at WB-1-255

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/15/2025	8260	2505151355Y	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.6	ug/L	1.0	0.20		EB
5/15/2025	8260	2505151355Y	Trichlorofluoromethane (CFC 11)	2.7	ug/L	1.0	0.24		
5/15/2025	8260	2505151355Y	Trichloroethene (TCE)	0.32	ug/L	1.0	0.20		J
5/15/2025	8260	2505151355Y	Sulfur Dioxide	1.1	ug/L	NA	NA		J TIC EB
5/15/2025	8260	2505151355Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	6.4	ug/L	1.0	0.20		
5/15/2025	8260	2505151355Y	Dichlorofluoromethane (CFC 21)	0.94	ug/L	1.0	0.20		J EB
5/15/2025	METALS	2505151415Y	Molybdenum, Total	0.011	mg/L	0.025	0.003		J
5/15/2025	METALS	2505151415Y	Vanadium, Total	0.0009	mg/L	0.050	0.0007		J
5/15/2025	METALS	2505151415Y	Strontium, Total	4.74	mg/L	0.10	0.002		
5/15/2025	METALS	2505151415Y	Sodium, Total	36.7	mg/L	1.0	0.3		
5/15/2025	METALS	2505151415Y	Nickel, Total	0.027	mg/L	0.040	0.003		J
5/15/2025	METALS	2505151415Y	Magnesium, Total	71.5	mg/L	1.0	0.03		
5/15/2025	METALS	2505151415Y	Calcium, Total	137	mg/L	1.0	0.3		
5/15/2025	METALS	2505151415Y	Boron, Total	0.07	mg/L	0.20	0.02		J
5/15/2025	METALS	2505151415Y	Barium, Total	0.018	mg/L	0.020	0.003		J
5/15/2025	METALS	2505151415Y	Arsenic, Total	0.0004	mg/L	0.0010	0.0004		J
5/15/2025	METALS	2505151415Y	Potassium, Total	2.9	mg/L	2.0	0.4		
5/15/2025	METALS	2505151416Y	Magnesium, Total	71.1	mg/L	1.0	0.03		
5/15/2025	METALS	2505151416Y	Zinc, Total	0.005	mg/L	0.020	0.003		J
5/15/2025	METALS	2505151416Y	Strontium, Total	4.73	mg/L	0.10	0.002		
5/15/2025	METALS	2505151416Y	Sodium, Total	36.6	mg/L	1.0	0.3		
5/15/2025	METALS	2505151416Y	Potassium, Total	2.9	mg/L	2.0	0.4		
5/15/2025	METALS	2505151416Y	Nickel, Total	0.026	mg/L	0.040	0.003		J
5/15/2025	METALS	2505151416Y	Calcium, Total	137	mg/L	1.0	0.3		
5/15/2025	METALS	2505151416Y	Boron, Total	0.07	mg/L	0.20	0.02		J
5/15/2025	METALS	2505151416Y	Barium, Total	0.018	mg/L	0.020	0.003		J
5/15/2025	METALS	2505151416Y	Arsenic, Total	0.0004	mg/L	0.0010	0.0004		J
5/15/2025	METALS	2505151416Y	Molybdenum, Total	0.011	mg/L	0.025	0.003		J

Analytical Results for Sampling Events at WB-1-330

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/21/2025	8260	2505211310Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	11	ug/L	1.0	0.20		
5/21/2025	8260	2505211310Y	Trichloroethene (TCE)	0.37	ug/L	1.0	0.20		J
5/21/2025	8260	2505211310Y	Trichlorofluoromethane (CFC 11)	4.9	ug/L	1.0	0.24		
5/21/2025	METALS	2505211338Y	Arsenic, Total	0.0004	mg/L	0.0010	0.0004		J
5/21/2025	METALS	2505211338Y	Vanadium, Total	0.0009	mg/L	0.050	0.0007		J
5/21/2025	METALS	2505211338Y	Strontium, Total	4.71	mg/L	0.10	0.002		
5/21/2025	METALS	2505211338Y	Sodium, Total	36.8	mg/L	1.0	0.3		
5/21/2025	METALS	2505211338Y	Potassium, Total	3	mg/L	2.0	0.4		
5/21/2025	METALS	2505211338Y	Nickel, Total	0.026	mg/L	0.040	0.003		J
5/21/2025	METALS	2505211338Y	Molybdenum, Total	0.011	mg/L	0.025	0.003		J
5/21/2025	METALS	2505211338Y	Magnesium, Total	71.4	mg/L	1.0	0.03		
5/21/2025	METALS	2505211338Y	Calcium, Total	137	mg/L	1.0	0.3		
5/21/2025	METALS	2505211338Y	Barium, Total	0.018	mg/L	0.020	0.003		J
5/21/2025	METALS	2505211338Y	Zinc, Total	0.024	mg/L	0.020	0.003		
5/21/2025	METALS	2505211338Y	Boron, Total	0.07	mg/L	0.20	0.02		J

Analytical Results for Sampling Events at WW-1-452

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/17/2025	8260_LL	2506171345A	(2-Aziridinylethyl)amine	22	ug/L	NA	NA		J RB TIC FB

Analytical Results for Sampling Events at WW-2-489

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/16/2025	8260_LL	2506160830C	(2-Aziridinylethyl)amine	18	ug/L	NA	NA		J RB TIC FB
6/16/2025	8260_LL	2506160830C	Cyclotetrasiloxane, octamethyl-	0.64	ug/L	NA	NA		J TIC TB FB

Analytical Results for Sampling Events at WW-2-664

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/16/2025	8260_LL	2506161000C	(2-Aziridinylethyl)amine	19	ug/L	NA	NA		J RB TIC
6/16/2025	8260_LL	2506161000C	Trimethylsilyl fluoride	2.2	ug/L	NA	NA		J TIC
6/16/2025	8260_LL	2506161000C	Silane, methoxytrimethyl-	1.6	ug/L	NA	NA		J TIC

Analytical Results for Sampling Events at WW-3-469

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/5/2025	8260_LL	2506051310Y	1-Hexanol, 2-ethyl-	0.56	ug/L	NA	NA		J TIC
6/5/2025	NDMA_LL	2506051311Y	N-Nitrosodimethylamine	0.72	ng/L	0.48	0.35		
6/5/2025	NDMA_LL	2506051340Y	N-Nitrosodimethylamine	0.63	ng/L	0.48	0.35		

Analytical Results for Sampling Events at WW-3-569

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/5/2025	NDMA_LL	2506050946Y	N-Nitrosodimethylamine	1.5	ng/L	0.47	0.34		EB

Analytical Results for Sampling Events at WW-4-419

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/12/2025	8260_LL	2505121310B	Toluene	0.63	ug/L	0.50	0.20		
5/12/2025	8260_LL	2505121310B	Propanal	3.9	ug/L	NA	NA		J TIC
5/12/2025	NDMA_LL	2505121313B	N-Nitrosodimethylamine	2.88	ng/L	0.49	0.35		K RB TB FB
5/12/2025	8270	2505121315B	Butane, 2-methoxy-2-methyl-	710	ug/L	NA	NA		J TIC
5/12/2025	8270	2505121315B	Benzenesulfonamide, N-butyl-	580	ug/L	NA	NA		J TIC
5/12/2025	METALS	2505121316B	Potassium, Total	4.2	mg/L	2.0	0.4		
5/12/2025	METALS	2505121316B	Barium, Total	0.041	mg/L	0.020	0.003		
5/12/2025	METALS	2505121316B	Arsenic, Total	0.0015	mg/L	0.0010	0.0004		
5/12/2025	METALS	2505121316B	Antimony, Total	0.0016	mg/L	0.0010	0.0002		
5/12/2025	METALS	2505121316B	Zinc, Total	0.004	mg/L	0.020	0.003		J
5/12/2025	METALS	2505121316B	Vanadium, Total	0.01	mg/L	0.050	0.0007		J
5/12/2025	METALS	2505121316B	Boron, Total	0.08	mg/L	0.20	0.02		J
5/12/2025	METALS	2505121316B	Nickel, Total	0.058	mg/L	0.040	0.003		
5/12/2025	METALS	2505121316B	Molybdenum, Total	0.006	mg/L	0.025	0.003		J
5/12/2025	METALS	2505121316B	Manganese, Total	0.093	mg/L	0.010	0.004		
5/12/2025	METALS	2505121316B	Magnesium, Total	58.2	mg/L	1.0	0.03		
5/12/2025	METALS	2505121316B	Iron, Total	0.2	mg/L	0.10	0.07		
5/12/2025	METALS	2505121316B	Calcium, Total	95.4	mg/L	1.0	0.3		
5/12/2025	METALS	2505121316B	Strontium, Total	3.33	mg/L	0.10	0.002		
5/12/2025	METALS	2505121316B	Sodium, Total	56.5	mg/L	1.0	0.3		

Analytical Results for Sampling Events at WW-4-589

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/12/2025	8260_LL	2505121325B	Propanal	2.9	ug/L	NA	NA		J TIC
5/12/2025	8260_LL	2505121325B	1,4-Dioxane, 2,5-dimethyl-	1.5	ug/L	NA	NA		J TIC
5/12/2025	8260_LL	2505121325B	Toluene	0.77	ug/L	0.50	0.20		
5/12/2025	8260_LL	2505121325B	1,4-Dioxane	12	ug/L	40	6.4		J
5/12/2025	NDMA_LL	2505121328B	N-Nitrosodimethylamine	1.49	ng/L	0.48	0.35		RB FB
5/12/2025	8270	2505121330B	Cyclohexane	20	ug/L	NA	NA		J TIC
5/12/2025	8270	2505121330B	Butane, 2-methoxy-2-methyl-	860	ug/L	NA	NA		J TIC
5/12/2025	8270	2505121330B	Benzenesulfonamide, N-butyl-	160	ug/L	NA	NA		J TIC
5/12/2025	METALS	2505121331B	Lead, Total	0.004	mg/L	0.050	0.004		J
5/12/2025	METALS	2505121331B	Nickel, Total	0.054	mg/L	0.040	0.003		
5/12/2025	METALS	2505121331B	Zinc, Total	0.049	mg/L	0.020	0.003		
5/12/2025	METALS	2505121331B	Vanadium, Total	0.012	mg/L	0.050	0.0007		J
5/12/2025	METALS	2505121331B	Strontium, Total	3.08	mg/L	0.10	0.002		
5/12/2025	METALS	2505121331B	Sodium, Total	54.6	mg/L	1.0	0.3		
5/12/2025	METALS	2505121331B	Potassium, Total	3.4	mg/L	2.0	0.4		
5/12/2025	METALS	2505121331B	Antimony, Total	0.0013	mg/L	0.0010	0.0002		
5/12/2025	METALS	2505121331B	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
5/12/2025	METALS	2505121331B	Copper, Total	0.009	mg/L	0.020	0.004		J
5/12/2025	METALS	2505121331B	Calcium, Total	83.6	mg/L	1.0	0.3		
5/12/2025	METALS	2505121331B	Boron, Total	0.07	mg/L	0.20	0.02		J
5/12/2025	METALS	2505121331B	Barium, Total	0.023	mg/L	0.020	0.003		
5/12/2025	METALS	2505121331B	Arsenic, Total	0.002	mg/L	0.0010	0.0004		
5/12/2025	METALS	2505121331B	Magnesium, Total	54	mg/L	1.0	0.03		

Analytical Results for Sampling Events at WW-4-848

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/13/2025	8260_LL	2505131200B	Silanol, trimethyl-	1.6	ug/L	NA	NA		J TIC
5/13/2025	8260_LL	2505131200B	Toluene	0.62	ug/L	0.50	0.20		
5/13/2025	8260_LL	2505131200B	Trimethylsilyl fluoride	1.7	ug/L	NA	NA		J TIC
5/13/2025	NDMA_LL	2505131203B	N-Nitrosodimethylamine	1.14	ng/L	0.48	0.35		RB FB
5/13/2025	8270	2505131205B	Butane, 2-methoxy-2-methyl-	700	ug/L	NA	NA		J RB TIC
5/13/2025	8270	2505131205B	Benzenesulfonamide, N-butyl-	72	ug/L	NA	NA		J TIC
5/13/2025	8270	2505131205B	1,3-Benzenedicarboxylicacid,bis(2-ethylhexyl)ester	18	ug/L	NA	NA		J TIC
5/13/2025	8270	2505131205B	Cyclohexane	22	ug/L	NA	NA		J RB TIC
5/13/2025	METALS	2505131206B	Barium, Total	0.01	mg/L	0.020	0.003		J
5/13/2025	METALS	2505131206B	Vanadium, Total	0.029	mg/L	0.050	0.0007		J
5/13/2025	METALS	2505131206B	Strontium, Total	1.55	mg/L	0.10	0.002		
5/13/2025	METALS	2505131206B	Nickel, Total	0.04	mg/L	0.040	0.003		J
5/13/2025	METALS	2505131206B	Sodium, Total	94.1	mg/L	1.0	0.3		
5/13/2025	METALS	2505131206B	Zinc, Total	0.067	mg/L	0.020	0.003		
5/13/2025	METALS	2505131206B	Potassium, Total	3.6	mg/L	2.0	0.4		
5/13/2025	METALS	2505131206B	Magnesium, Total	25.5	mg/L	1.0	0.03		
5/13/2025	METALS	2505131206B	Chromium, Total	0.003	mg/L	0.010	0.002		J
5/13/2025	METALS	2505131206B	Boron, Total	0.19	mg/L	0.20	0.02		J
5/13/2025	METALS	2505131206B	Arsenic, Total	0.0028	mg/L	0.0010	0.0004		
5/13/2025	METALS	2505131206B	Antimony, Total	0.0007	mg/L	0.0010	0.0002		J
5/13/2025	METALS	2505131206B	Calcium, Total	42.5	mg/L	1.0	0.3		
5/13/2025	METALS	2505131206B	Molybdenum, Total	0.015	mg/L	0.025	0.003		J

Analytical Results for Sampling Events at WW-4-948

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/13/2025	8260_LL	2505131210B	Toluene	0.44	ug/L	0.50	0.20		J
5/13/2025	NDMA_LL	2505131213B	N-Nitrosodimethylamine	1.14	ng/L	0.48	0.35		A RB FB
5/13/2025	8270	2505131215B	Cyclohexane	16	ug/L	NA	NA		J RB TIC
5/13/2025	8270	2505131215B	Butane, 2-methoxy-2-methyl-	490	ug/L	NA	NA		J RB TIC
5/13/2025	8270	2505131215B	Benzenesulfonamide, N-butyl-	45	ug/L	NA	NA		J TIC
5/13/2025	METALS	2505131216B	Magnesium, Total	25.4	mg/L	1.0	0.03		
5/13/2025	METALS	2505131216B	Vanadium, Total	0.017	mg/L	0.050	0.0007		J
5/13/2025	METALS	2505131216B	Strontium, Total	1.57	mg/L	0.10	0.002		
5/13/2025	METALS	2505131216B	Sodium, Total	131	mg/L	1.0	0.3		
5/13/2025	METALS	2505131216B	Potassium, Total	4.1	mg/L	2.0	0.4		
5/13/2025	METALS	2505131216B	Zinc, Total	0.117	mg/L	0.020	0.003		
5/13/2025	METALS	2505131216B	Molybdenum, Total	0.012	mg/L	0.025	0.003		J
5/13/2025	METALS	2505131216B	Calcium, Total	52.5	mg/L	1.0	0.3		
5/13/2025	METALS	2505131216B	Boron, Total	0.2	mg/L	0.20	0.02		J
5/13/2025	METALS	2505131216B	Barium, Total	0.013	mg/L	0.020	0.003		J
5/13/2025	METALS	2505131216B	Arsenic, Total	0.0029	mg/L	0.0010	0.0004		
5/13/2025	METALS	2505131216B	Antimony, Total	0.0013	mg/L	0.0010	0.0002		
5/13/2025	METALS	2505131216B	Nickel, Total	0.056	mg/L	0.040	0.003		
5/13/2025	METALS	2505131216B	Chromium, Total	0.004	mg/L	0.010	0.002		J

Analytical Results for Sampling Events at WW-5-459

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/7/2025	8260_LL	2507071120B	Propanal	6.5	ug/L	NA	NA		J TIC
7/7/2025	8260_LL	2507071120B	1,4-Dioxane	14	ug/L	40	6.4		J
7/7/2025	8260_LL	2507071120B	Toluene	3	ug/L	0.50	0.20		
7/7/2025	NDMA_LL	2507071122B	N-Nitrosodimethylamine	6.26	ng/L	0.47	0.34		RB A

Analytical Results for Sampling Events at WW-5-579

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/7/2025	8260_LL	2507071145B	Toluene	0.46	ug/L	0.50	0.20		J
7/7/2025	NDMA_LL	2507071147B	N-Nitrosodimethylamine	8.82	ng/L	0.49	0.35		RB A QD
7/7/2025	NDMA_LL	2507071149B	N-Nitrosodimethylamine	1.49	ng/L	0.47	0.34		RB A QD

Analytical Results for Sampling Events at WW-5-809

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/9/2025	8260_LL	2507091105B	Toluene	1.2	ug/L	0.50	0.20		
7/9/2025	8260_LL	2507091105B	Carbon Dioxide	21	ug/L	NA	NA		J RB TIC FB
7/9/2025	NDMA_LL	2507091107B	N-Nitrosodimethylamine	1.17	ng/L	0.48	0.35		RB A FB

Analytical Results for Sampling Events at WW-5-909

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/9/2025	8260_LL	2507091125B	Toluene	0.25	ug/L	0.50	0.20		J
7/9/2025	8260_LL	2507091125B	Carbon Dioxide	20	ug/L	NA	NA		J RB TIC FB
7/9/2025	NDMA_LL	2507091127B	N-Nitrosodimethylamine	3	ng/L	0.48	0.35		RB A

Appendix A.3
PFTS Indicator Parameters

Summary of Water Quality Parameters
for the Plume Front Sampling Events in this Reporting Period

Well ID	B650-EFF-1	Event Date	5/21/2025	
Sample	**Parameter**		**Result**	**Units**
2505211250	Conductivity		1057	µS/cm
2505211250	pH		8.33	NA
2505211250	Temperature		24.7	ºC
2505211250	Turbidity		1.67	NTU

Well ID	B650-EFF-1	Event Date	6/17/2025	
Sample	**Parameter**		**Result**	**Units**
2506170940	Conductivity		989	µS/cm
2506170940	pH		8.21	NA
2506170940	Temperature		24.9	ºC
2506170940	Turbidity		0.24	NTU

Well ID	B650-EFF-1	Event Date	7/15/2025	
Sample	**Parameter**		**Result**	**Units**
2507151245	Conductivity		1120	µS/cm
2507151245	pH		7.86	NA
2507151245	Temperature		25.5	ºC
2507151245	Turbidity		0.35	NTU

Well ID	B650-INF-1	Event Date	5/21/2025	
Sample	**Parameter**		**Result**	**Units**
2505211325	Conductivity		1090	µS/cm
2505211325	pH		7.40	NA
2505211325	Temperature		24.2	ºC
2505211325	Turbidity		0.41	NTU

Well ID	B650-INF-1	Event Date	6/17/2025	
Sample	**Parameter**		**Result**	**Units**
2506170955	Conductivity		1032	µS/cm
2506170955	pH		7.24	NA
2506170955	Temperature		24.4	ºC
2506170955	Turbidity		0.79	NTU

Well ID	B650-INF-1	Event Date	7/15/2025	
Sample	**Parameter**		**Result**	**Units**
2507151300	Conductivity		1100	µS/cm
2507151300	pH		7.37	NA
2507151300	Temperature		22.6	ºC
2507151300	Turbidity		0.32	NTU

Well ID	PFE-1	Event Date	7/14/2025	
Sample	**Parameter**		**Result**	**Units**
2507140915	Conductivity		1012	µS/cm
2507140915	DTW			ft
2507140915	pH		7.39	NA
2507140915	Temperature		27.1	ºC
2507140915	Turbidity		0.61	NTU

Well ID	PFE-2	Event Date	7/14/2025	
Sample	**Parameter**		**Result**	**Units**
2507140930	Conductivity		1034	µS/cm
2507140930	DTW			ft
2507140930	pH		7.25	NA
2507140930	Temperature		27.1	ºC
2507140930	Turbidity		0.87	NTU

Well ID	PFE-3	Event Date	7/15/2025	
Sample	**Parameter**		**Result**	**Units**
2507150920	Conductivity		1032	µS/cm
2507150920	DTW			ft
2507150920	pH		7.15	NA
2507150920	Temperature		25.4	ºC
2507150920	Turbidity		0.31	NTU

Well ID	PFE-4A	Event Date	7/15/2025	
Sample	**Parameter**		**Result**	**Units**
2507150940	Conductivity		1026	µS/cm
2507150940	DTW			ft
2507150940	pH		7.35	NA
2507150940	Temperature		26.8	ºC
2507150940	Turbidity		1.81	NTU

Well ID	PFE-5	Event Date	7/14/2025	
Sample	**Parameter**		**Result**	**Units**
2507140900	Conductivity		1125	µS/cm
2507140900	DTW			ft
2507140900	pH		7.48	NA
2507140900	Temperature		24.6	ºC
2507140900	Turbidity		1.72	NTU

Well ID	PFE-7	Event Date	7/15/2025	
Sample	**Parameter**		**Result**	**Units**
2507150900	Conductivity		1015	µS/cm
2507150900	DTW			ft
2507150900	pH		7.27	NA
2507150900	Temperature		26.4	ºC
2507150900	Turbidity		0.28	NTU

Appendix A.4
PFTS Analytical Data

Detections for Plume Front Treatment System Sampling Events in this Reporting Period

Analytical Results for Sampling Events at B650-EFF-1

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/21/2025	NDMA_LL	2505211303	N-Nitrosodimethylamine	0.9	ng/L	0.48	0.35		A K RB FB
5/21/2025	METALS	2505211305	Barium, Total	0.024	mg/L	0.020	0.003		
5/21/2025	METALS	2505211305	Boron, Total	0.08	mg/L	0.20	0.02		J
5/21/2025	METALS	2505211305	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
5/21/2025	METALS	2505211305	Zinc, Total	0.012	mg/L	0.020	0.003		J
5/21/2025	METALS	2505211305	Vanadium, Total	0.006	mg/L	0.050	0.0007		J
5/21/2025	METALS	2505211305	Strontium, Total	2.44	mg/L	0.10	0.002		
5/21/2025	METALS	2505211305	Sodium, Total	52.6	mg/L	1.0	0.3		
5/21/2025	METALS	2505211305	Potassium, Total	4.8	mg/L	2.0	0.4		
5/21/2025	METALS	2505211305	Molybdenum, Total	0.011	mg/L	0.025	0.003		J
5/21/2025	METALS	2505211305	Magnesium, Total	58.4	mg/L	1.0	0.03		
5/21/2025	METALS	2505211305	Calcium, Total	92.4	mg/L	1.0	0.3		
5/21/2025	METALS	2505211305	Nickel, Total	0.036	mg/L	0.040	0.003		J
5/21/2025	ANIONS	2505211306	Alkalinity, Total as CaCO3	196	mg/L	2.0	1.8		
5/21/2025	ANIONS	2505211306	Sulfate	321	mg/L	20	4		
5/21/2025	ANIONS	2505211306	Chloride	46.4	mg/L	2.0	0.5		
5/21/2025	ANIONS	2505211306	Fluoride, undistilled	0.72	mg/L	0.10	0.010		
5/21/2025	SM2540C	2505211307	Total Dissolved Solids (TDS)	782	mg/L	10	9		
5/21/2025	6850	2505211308	Perchlorate	0.35	ug/L	0.20	0.019		
5/21/2025	353.2	2505211309	Nitrate+Nitrite as Nitrogen	1.08	mg/L	0.050	0.002		
6/17/2025	8260_LL	2506170945	(2-Aziridinylethyl)amine	21	ug/L	NA	NA		J RB TIC FB
7/15/2025	8260_LL	2507151246	Silane, methoxytrimethyl-	3.8	ug/L	NA	NA		J TIC FB
7/15/2025	8260_LL	2507151246	Trimethylsilyl fluoride	2	ug/L	NA	NA		J TIC

Analytical Results for Sampling Events at B650-INF-1

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/21/2025	8260	2505211330	1,1,2-Trichloro-1,2,2-Trifluoroethane	19	ug/L	1.0	0.20		QD
5/21/2025	8260	2505211330	Tetrachloroethene (PCE)	0.65	ug/L	1.0	0.21		J
5/21/2025	8260	2505211330	Trichlorofluoromethane (CFC 11)	10	ug/L	1.0	0.24		QD
5/21/2025	8260	2505211330	Trichloroethene (TCE)	17	ug/L	1.0	0.20		QD
5/21/2025	8260	2505211331	Tetrachloroethene (PCE)	0.93	ug/L	1.0	0.21		J
5/21/2025	8260	2505211331	Trichlorofluoromethane (CFC 11)	20	ug/L	1.0	0.24		QD
5/21/2025	8260	2505211331	Trichloroethene (TCE)	23	ug/L	1.0	0.20		QD
5/21/2025	8260	2505211331	1,1,2-Trichloro-1,2,2-Trifluoroethane	39	ug/L	1.0	0.20		QD
5/21/2025	607	2505211333	N-Nitrodimethylamine	0.05	µg/L	0.0097	0.0049	70	
5/21/2025	607	2505211333	Bromacil	0.01	µg/L	0.0097	0.0049	117	
5/21/2025	607	2505211333	N-Nitrosodimethylamine	0.06	µg/L	0.0097	0.0049	44	
5/21/2025	METALS	2505211334	Strontium, Total	2.39	mg/L	0.10	0.002		
5/21/2025	METALS	2505211334	Nickel, Total	0.039	mg/L	0.040	0.003		J
5/21/2025	METALS	2505211334	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
5/21/2025	METALS	2505211334	Magnesium, Total	57.1	mg/L	1.0	0.03		
5/21/2025	METALS	2505211334	Chromium, Total	0.002	mg/L	0.010	0.002		J
5/21/2025	METALS	2505211334	Calcium, Total	90.3	mg/L	1.0	0.3		
5/21/2025	METALS	2505211334	Boron, Total	0.08	mg/L	0.20	0.02		J
5/21/2025	METALS	2505211334	Potassium, Total	4.5	mg/L	2.0	0.4		
5/21/2025	METALS	2505211334	Sodium, Total	50.6	mg/L	1.0	0.3		
5/21/2025	METALS	2505211334	Vanadium, Total	0.006	mg/L	0.050	0.0007		J
5/21/2025	METALS	2505211334	Zinc, Total	0.004	mg/L	0.020	0.003		J
5/21/2025	METALS	2505211334	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
5/21/2025	METALS	2505211334	Barium, Total	0.023	mg/L	0.020	0.003		
5/21/2025	ANIONS	2505211335	Fluoride, undistilled	0.7	mg/L	0.10	0.010		
5/21/2025	ANIONS	2505211335	Alkalinity, Total as CaCO3	196	mg/L	2.0	1.8		
5/21/2025	ANIONS	2505211335	Chloride	45.4	mg/L	2.0	0.5		
5/21/2025	ANIONS	2505211335	Sulfate	345	mg/L	20	4		
5/21/2025	SM2540C	2505211336	Total Dissolved Solids (TDS)	797	mg/L	10	10		
5/21/2025	6850	2505211337	Perchlorate	0.34	ug/L	0.20	0.019		
5/21/2025	353.2	2505211338	Nitrate+Nitrite as Nitrogen	1.08	mg/L	0.050	0.002		
6/17/2025	8260	2506171000	Trichlorofluoromethane (CFC 11)	15	ug/L	1.0	0.24		
6/17/2025	8260	2506171000	Carbon Dioxide	21	ug/L	NA	NA		J RB TIC FB
6/17/2025	8260	2506171000	Trichloroethene (TCE)	15	ug/L	1.0	0.20		

Analytical Results for Sampling Events at B650-INF-1

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
6/17/2025	8260	2506171000	Tetrachloroethene (PCE)	0.69	ug/L	1.0	0.21		J
6/17/2025	8260	2506171000	1,1,2-Trichloro-1,2,2-Trifluoroethane	27	ug/L	1.0	0.20		
6/17/2025	607	2506171002	N-Nitrosodimethylamine	0.06	µg/L	0.0098	0.0049	50	
6/17/2025	607	2506171002	N-Nitrodimethylamine	0.05	µg/L	0.0098	0.0049	79	
6/17/2025	607	2506171002	Bromacil	0.01	µg/L	0.0098	0.0049	110	
7/15/2025	8260	2507151301	Trimethylsilyl fluoride	1.1	ug/L	NA	NA		J TIC
7/15/2025	8260	2507151301	Glycine, methyl ester	2.2	ug/L	NA	NA		J TIC
7/15/2025	8260	2507151301	Trichloroethene (TCE)	19	ug/L	1.0	0.20		
7/15/2025	8260	2507151301	Tetrachloroethene (PCE)	0.72	ug/L	1.0	0.21		J
7/15/2025	8260	2507151301	1,1,2-Trichloro-1,2,2-Trifluoroethane	28	ug/L	1.0	0.20		
7/15/2025	8260	2507151301	Ethyne, fluoro-	64	ug/L	NA	NA		J TIC
7/15/2025	8260	2507151301	Trichlorofluoromethane (CFC 11)	15	ug/L	1.0	0.24		
7/15/2025	607	2507151303	N-Nitrosodimethylamine	0.05	µg/L	0.0096	0.0048	40	
7/15/2025	607	2507151303	N-Nitrodimethylamine	0.04	µg/L	0.0096	0.0048	66	
7/15/2025	607	2507151303	Bromacil	0.009	µg/L	0.0096	0.0048	108	J

Analytical Results for Sampling Events at PFE-1

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/14/2025	8260	2507140916	Trimethylsilyl fluoride	1.6	ug/L	NA	NA		J TIC
7/14/2025	8260	2507140916	Valine,N-methyl-N-(2chloroethoxycarbonyl),Hexadecy	5.4	ug/L	NA	NA		J TIC
7/14/2025	8260	2507140916	Silane, methoxytrimethyl-	3.7	ug/L	NA	NA		J TIC FB
7/14/2025	8260	2507140916	Trichlorofluoromethane (CFC 11)	3.6	ug/L	1.0	0.24		
7/14/2025	8260	2507140916	Trichloroethene (TCE)	6.5	ug/L	1.0	0.20		
7/14/2025	8260	2507140916	1,1,2-Trichloro-1,2,2-Trifluoroethane	4.6	ug/L	1.0	0.20		
7/14/2025	8260	2507140916	Tetrachloroethene (PCE)	0.28	ug/L	1.0	0.21		J
7/14/2025	607	2507140918	N-Nitrosodimethylamine	0.05	µg/L	0.0096	0.0048	40	
7/14/2025	607	2507140918	N-Nitrodimethylamine	0.03	µg/L	0.0096	0.0048	66	

Analytical Results for Sampling Events at PFE-2

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/14/2025	8260	2507140931	Dichlorofluoromethane (CFC 21)	0.32	ug/L	1.0	0.20		J
7/14/2025	8260	2507140931	Tetrachloroethene (PCE)	2.4	ug/L	1.0	0.21		
7/14/2025	8260	2507140931	1,1,2-Trichloro-1,2,2-Trifluoroethane	100	ug/L	1.0	0.20		
7/14/2025	8260	2507140931	Trichloroethene (TCE)	65	ug/L	1.0	0.20		
7/14/2025	8260	2507140931	Silane, methoxytrimethyl-	3.3	ug/L	NA	NA		J TIC QD
7/14/2025	8260	2507140931	Trimethylsilyl fluoride	1.3	ug/L	NA	NA		J TIC
7/14/2025	8260	2507140931	Trichlorofluoromethane (CFC 11)	53	ug/L	1.0	0.24		
7/14/2025	8260	2507140931	1,1-Dichloroethene	0.4	ug/L	1.0	0.20		J
7/14/2025	8260	2507140931	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.33	ug/L	1.0	0.20		J
7/14/2025	8260	2507140932	1,1,2-Trichloro-1,2,2-Trifluoroethane	99	ug/L	1.0	0.20		
7/14/2025	8260	2507140932	1,1-Dichloroethene	0.4	ug/L	1.0	0.20		J
7/14/2025	8260	2507140932	Dichlorofluoromethane (CFC 21)	0.32	ug/L	1.0	0.20		J
7/14/2025	8260	2507140932	Tetrachloroethene (PCE)	2.4	ug/L	1.0	0.21		
7/14/2025	8260	2507140932	Silane, methoxytrimethyl-	1.2	ug/L	NA	NA		J TIC QD
7/14/2025	8260	2507140932	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.35	ug/L	1.0	0.20		J
7/14/2025	8260	2507140932	Trichlorofluoromethane (CFC 11)	50	ug/L	1.0	0.24		
7/14/2025	8260	2507140932	Trichloroethene (TCE)	60	ug/L	1.0	0.20		
7/14/2025	607	2507140934	N-Nitrosodimethylamine	0.13	µg/L	0.0097	0.0049	40	
7/14/2025	607	2507140934	Bromacil	0.008	µg/L	0.0097	0.0049	108	J
7/14/2025	607	2507140934	N-Nitrodimethylamine	0.1	µg/L	0.0097	0.0049	66	
7/14/2025	607	2507140935	N-Nitrosodimethylamine	0.12	µg/L	0.0095	0.0048	40	
7/14/2025	607	2507140935	Bromacil	0.009	µg/L	0.0095	0.0048	108	J
7/14/2025	607	2507140935	N-Nitrodimethylamine	0.09	µg/L	0.0095	0.0048	66	
7/14/2025	METALS	2507140936	Magnesium, Total	56.2	mg/L	1.0	0.03		
7/14/2025	METALS	2507140936	Sodium, Total	62.6	mg/L	1.0	0.5		
7/14/2025	METALS	2507140936	Molybdenum, Total	0.014	mg/L	0.025	0.003		J
7/14/2025	METALS	2507140936	Calcium, Total	84.5	mg/L	1.0	0.3		
7/14/2025	METALS	2507140936	Potassium, Total	5.6	mg/L	2.0	0.4		
7/14/2025	METALS	2507140936	Vanadium, Total	0.009	mg/L	0.050	0.0007		J
7/14/2025	METALS	2507140936	Strontium, Total	2.45	mg/L	0.10	0.002		
7/14/2025	METALS	2507140936	Zinc, Total	0.004	mg/L	0.020	0.003		J
7/14/2025	METALS	2507140936	Nickel, Total	0.039	mg/L	0.040	0.003		J
7/14/2025	METALS	2507140936	Barium, Total	0.02	mg/L	0.020	0.003		
7/14/2025	METALS	2507140936	Arsenic, Total	0.001	mg/L	0.0010	0.0004		J
7/14/2025	METALS	2507140936	Boron, Total	0.09	mg/L	0.20	0.02		J
7/14/2025	ANIONS	2507140937	Chloride	43.6	mg/L	2.0	0.5		

Analytical Results for Sampling Events at PFE-2

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/14/2025	ANIONS	2507140937	Alkalinity, Total as CaCO3	197	mg/L	2.0	1.8		
7/14/2025	ANIONS	2507140937	Sulfate	297	mg/L	20	4		
7/14/2025	ANIONS	2507140937	Fluoride, undistilled	0.48	mg/L	0.10	0.010		
7/14/2025	SM2540C	2507140938	Total Dissolved Solids (TDS)	771	mg/L	10	9		
7/14/2025	6850	2507140939	Perchlorate	0.42	ug/L	0.20	0.019		
7/14/2025	353.2	2507140940	Nitrate+Nitrite as Nitrogen	1.24	mg/L	0.050	0.002		

Analytical Results for Sampling Events at PFE-3

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/15/2025	8260	2507150925	Tetrachloroethene (PCE)	1.1	ug/L	1.0	0.21		
7/15/2025	8260	2507150925	Trimethylsilyl fluoride	2.5	ug/L	NA	NA		J TIC
7/15/2025	8260	2507150925	Silane, methoxytrimethyl-	3.7	ug/L	NA	NA		J TIC
7/15/2025	8260	2507150925	1,1,2-Trichloro-1,2,2-Trifluoroethane	50	ug/L	1.0	0.20		
7/15/2025	8260	2507150925	Trichlorofluoromethane (CFC 11)	22	ug/L	1.0	0.24		
7/15/2025	8260	2507150925	Trichloroethene (TCE)	26	ug/L	1.0	0.20		
7/15/2025	8260	2507150925	1,1-Dichloroethene	0.23	ug/L	1.0	0.20		J
7/15/2025	607	2507150927	N-Nitrosodimethylamine	0.07	µg/L	0.0095	0.0048	40	
7/15/2025	607	2507150927	N-Nitrodimethylamine	0.07	µg/L	0.0095	0.0048	66	
7/15/2025	607	2507150927	Bromacil	0.02	µg/L	0.0095	0.0048	108	

Analytical Results for Sampling Events at PFE-4A

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/15/2025	8260	2507150941	Silane, methoxytrimethyl-	1.4	ug/L	NA	NA		J TIC FB
7/15/2025	8260	2507150941	Trichlorofluoromethane (CFC 11)	1	ug/L	1.0	0.24		
7/15/2025	8260	2507150941	Trichloroethene (TCE)	1.3	ug/L	1.0	0.20		
7/15/2025	8260	2507150941	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.7	ug/L	1.0	0.20		
7/15/2025	607	2507150943	Bromacil	0.02	µg/L	0.0096	0.0048	108	
7/15/2025	NDMA_LL	2507150944	N-Nitrosodimethylamine	18.83	ng/L	0.48	0.35		
7/15/2025	NDMA_LL	2507150944	N-Nitrodimethylamine	11.42	ng/L	0.48	0.34		

Analytical Results for Sampling Events at PFE-5

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/14/2025	8260	2507140901	Silane, methoxytrimethyl-	3	ug/L	NA	NA		J TIC QD FB
7/14/2025	8260	2507140901	Trimethylsilyl fluoride	0.94	ug/L	NA	NA		J TIC
7/14/2025	8260	2507140901	1,1,2-Trichloro-1,2,2-Trifluoroethane	8.7	ug/L	1.0	0.20		
7/14/2025	8260	2507140901	Tetrachloroethene (PCE)	1.7	ug/L	1.0	0.21		
7/14/2025	8260	2507140901	Trichloroethene (TCE)	40	ug/L	1.0	0.20		
7/14/2025	8260	2507140901	Trichlorofluoromethane (CFC 11)	12	ug/L	1.0	0.24		
7/14/2025	8260	2507140902	Dichlorofluoromethane (CFC 21)	0.25	ug/L	1.0	0.20		J
7/14/2025	8260	2507140902	Sulfur dichloride	15	ug/L	NA	NA		J TIC
7/14/2025	8260	2507140902	Silane, methoxytrimethyl-	1.2	ug/L	NA	NA		J TIC QD FB
7/14/2025	8260	2507140902	Trichlorofluoromethane (CFC 11)	11	ug/L	1.0	0.24		
7/14/2025	8260	2507140902	1,1,2-Trichloro-1,2,2-Trifluoroethane	7.9	ug/L	1.0	0.20		
7/14/2025	8260	2507140902	Tetrachloroethene (PCE)	1.6	ug/L	1.0	0.21		
7/14/2025	8260	2507140902	Trichloroethene (TCE)	37	ug/L	1.0	0.20		
7/14/2025	607	2507140904	N-Nitrodimethylamine	0.12	µg/L	0.0096	0.0048	66	
7/14/2025	607	2507140904	N-Nitrosodimethylamine	0.19	µg/L	0.0096	0.0048	40	
7/14/2025	607	2507140904	Bromacil	0.02	µg/L	0.0096	0.0048	108	

Analytical Results for Sampling Events at PFE-7

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/15/2025	8260	2507150901	1,1,2-Trichloro-1,2,2-Trifluoroethane	4	ug/L	1.0	0.20		
7/15/2025	8260	2507150901	Trichloroethene (TCE)	4.2	ug/L	1.0	0.20		
7/15/2025	8260	2507150901	Trichlorofluoromethane (CFC 11)	3	ug/L	1.0	0.24		
7/15/2025	NDMA_LL	2507150904	N-Nitrosodimethylamine	2.09	ng/L	0.48	0.35		
7/15/2025	NDMA_LL	2507150904	N-Nitrodimethylamine	0.71	ng/L	0.48	0.33		

Appendix A.5
MPITS Indicator Parameters

Summary of Water Quality Parameters
for the Mid-plume Sampling Events in this Reporting Period

Well ID	B655-EFF-2	Event Date	5/21/2025	
Sample	**Parameter**		**Result**	**Units**
2505210824	Conductivity		1155	µS/cm
2505210824	pH		8.58	NA
2505210824	Temperature		201.1	ºC
2505210824	Turbidity		0.22	NTU

Well ID	B655-EFF-2	Event Date	6/16/2025	
Sample	**Parameter**		**Result**	**Units**
2506161222	Conductivity		1147	µS/cm
2506161222	pH		8.48	NA
2506161222	Temperature		27.4	ºC
2506161222	Turbidity		0.33	NTU

Well ID	B655-EFF-2	Event Date	7/10/2025	
Sample	**Parameter**		**Result**	**Units**
2507101000	Conductivity		2202	µS/cm
2507101000	pH		7.29	NA
2507101000	Temperature		22.4	ºC
2507101000	Turbidity		0.45	NTU

Well ID	B655-INF-2	Event Date	5/21/2025	
Sample	**Parameter**		**Result**	**Units**
2505210840	Conductivity		1158	µS/cm
2505210840	pH		7.22	NA
2505210840	Temperature		22.8	ºC
2505210840	Turbidity		0.25	NTU

Well ID	B655-INF-2	Event Date	6/16/2025	
Sample	**Parameter**		**Result**	**Units**
2506161251	Conductivity		1115	µS/cm
2506161251	pH		7.16	NA
2506161251	Temperature		25.5	ºC
2506161251	Turbidity		0.57	NTU

Well ID	B655-INF-2	Event Date	7/10/2025	
Sample	**Parameter**		**Result**	**Units**
2507101010	Conductivity		1212	µS/cm
2507101010	pH		7.24	NA
2507101010	Temperature		23.2	ºC
2507101010	Turbidity		0.29	NTU

Well ID	MPE-1	Event Date	5/21/2025	
Sample	**Parameter**		**Result**	**Units**
2505210905	Conductivity		1289	µS/cm
2505210905	DTW			ft
2505210905	pH		7.34	NA
2505210905	Temperature		19.8	ºC
2505210905	Turbidity		0.49	NTU

Well ID	MPE-10	Event Date	5/21/2025	
Sample	**Parameter**		**Result**	**Units**
2505210940	Conductivity		1207	µS/cm
2505210940	DTW			ft
2505210940	pH		7.54	NA
2505210940	Temperature		19.3	ºC
2505210940	Turbidity		0.54	NTU

Well ID	MPE-11	Event Date	5/21/2025	
Sample	**Parameter**		**Result**	**Units**
2505211010	Conductivity		1026	µS/cm
2505211010	DTW			ft
2505211010	pH		7.44	NA
2505211010	Temperature		26.2	ºC
2505211010	Turbidity		2.91	NTU

Well ID	MPE-3	Event Date	7/18/2025	
Sample	**Parameter**		**Result**	**Units**
2507180730	Conductivity		1088	µS/cm
2507180730	DTW			ft
2507180730	pH		7.23	NA
2507180730	Temperature		22.5	ºC
2507180730	Turbidity		1.02	NTU

Well ID	MPE-4	Event Date	7/16/2025	
Sample	**Parameter**		**Result**	**Units**
2507161230	Conductivity		1218	µS/cm
2507161230	DTW		NA	ft
2507161230	pH		7.03	NA
2507161230	Temperature		87.2	ºC
2507161230	Turbidity		2.42	NTU

Well ID	MPE-9	Event Date	5/21/2025	
Sample	**Parameter**		**Result**	**Units**
2505210920	Conductivity		1251	µS/cm
2505210920	DTW			ft
2505210920	pH		7.35	NA
2505210920	Temperature		23.4	ºC
2505210920	Turbidity		0.99	NTU

Appendix A.6
MPITS Analytical Data

Detections for MPITS Sampling Events in this Reporting Period

Analytical Results for Sampling Events at B655-EFF-2

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/21/2025	8260_LL	2505210825	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.23	ug/L	0.50	0.20		J
5/21/2025	NDMA_LL	2505210828	N-Nitrosodimethylamine	0.71	ng/L	0.48	0.35		A RB TB FB
6/16/2025	8260_LL	2506161228	(2-Aziridinylethyl)amine	22	ug/L	NA	NA		J RB TIC FB
6/16/2025	8260_LL	2506161228	Cyclotetrasiloxane, octamethyl-	0.7	ug/L	NA	NA		J TIC
7/10/2025	8260_LL	2507101001	Tetrahydrofuran (THF)	2.2	ug/L	5.0	0.77		J
7/10/2025	8260_LL	2507101001	Trichlorofluoromethane (CFC 11)	0.31	ug/L	0.50	0.24		J
7/10/2025	8260_LL	2507101001	Carbon Dioxide	28	ug/L	NA	NA		J RB TIC FB
7/10/2025	8260_LL	2507101001	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.35	ug/L	0.50	0.20		J
7/10/2025	607	2507101003	Bromacil	0.008	µg/L	0.0098	0.0049	90	J
7/10/2025	NDMA_LL	2507101004	N-Nitrosodimethylamine	0.94	ng/L	0.49	0.36		*
7/10/2025	NDMA_LL	2507101005	N-Nitrosodimethylamine	1.17	ng/L	0.49	0.36		
7/10/2025	8270	2507101007	1,4-Dioxane	0.052	ug/L	0.040	0.035		

Analytical Results for Sampling Events at B655-INF-2

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/21/2025	8260	2505210841	Dichlorofluoromethane (CFC 21)	1.2	ug/L	1.0	0.20		
5/21/2025	8260	2505210841	Tetrachloroethene (PCE)	3.1	ug/L	1.0	0.21		
5/21/2025	8260	2505210841	Trichloroethene (TCE)	66	ug/L	1.0	0.20		
5/21/2025	8260	2505210841	Trichlorofluoromethane (CFC 11)	130	ug/L	1.0	0.24		
5/21/2025	8260	2505210841	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.5	ug/L	1.0	0.20		
5/21/2025	8260	2505210841	1,1,2-Trichloro-1,2,2-Trifluoroethane	230	ug/L	2.5	0.50		D
5/21/2025	607	2505210843	Bromacil	0.17	µg/L	0.0095	0.0048	117	
5/21/2025	607	2505210843	N-Nitrodimethylamine	0.86	µg/L	0.0095	0.0048	70	
5/21/2025	607	2505210843	N-Nitrosodimethylamine	1.48	µg/L	0.0095	0.0048	44	
6/16/2025	8260	2506161257	Tetrachloroethene (PCE)	3.2	ug/L	1.0	0.21		
6/16/2025	8260	2506161257	1,1,2-Trichloro-1,2,2-Trifluoroethane	190	ug/L	2.5	0.50		D T
6/16/2025	8260	2506161257	1,1-Dichloroethene	0.73	ug/L	1.0	0.20		J
6/16/2025	8260	2506161257	Trichloroethene (TCE)	61	ug/L	1.0	0.20		
6/16/2025	8260	2506161257	Trichlorofluoromethane (CFC 11)	130	ug/L	1.0	0.24		
6/16/2025	8260	2506161257	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.6	ug/L	1.0	0.20		
6/16/2025	8260	2506161257	Dichlorofluoromethane (CFC 21)	1.6	ug/L	1.0	0.20		
6/16/2025	8260	2506161258	Trichloroethene (TCE)	60	ug/L	1.0	0.20		
6/16/2025	8260	2506161258	Dichlorofluoromethane (CFC 21)	1.5	ug/L	1.0	0.20		
6/16/2025	8260	2506161258	4-Methyl-2-pentanone	0.76	ug/L	5.0	0.20		J
6/16/2025	8260	2506161258	1,1-Dichloroethene	0.61	ug/L	1.0	0.20		J
6/16/2025	8260	2506161258	1,1,2-Trichloro-1,2,2-Trifluoroethane	180	ug/L	2.5	0.50		D T
6/16/2025	8260	2506161258	Trichlorofluoromethane (CFC 11)	120	ug/L	1.0	0.24		
6/16/2025	8260	2506161258	Tetrachloroethene (PCE)	2.8	ug/L	1.0	0.21		
6/16/2025	8260	2506161258	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.4	ug/L	1.0	0.20		
6/16/2025	607	2506161300	N-Nitrosodimethylamine	1.86	µg/L	0.0094	0.0047	50	
6/16/2025	607	2506161300	N-Nitrodimethylamine	1.25	µg/L	0.0094	0.0047	79	
6/16/2025	607	2506161300	Bromacil	0.2	µg/L	0.0094	0.0047	110	
6/16/2025	607	2506161301	N-Nitrodimethylamine	1.16	µg/L	0.0094	0.0047	79	
6/16/2025	607	2506161301	Bromacil	0.2	µg/L	0.0094	0.0047	110	
6/16/2025	607	2506161301	N-Nitrosodimethylamine	1.76	µg/L	0.0094	0.0047	50	
7/10/2025	8260	2507101011	1,1-Dichloroethene	0.85	ug/L	1.0	0.20		J
7/10/2025	8260	2507101011	Dichlorofluoromethane (CFC 21)	1.4	ug/L	1.0	0.20		
7/10/2025	8260	2507101011	Tetrachloroethene (PCE)	2.9	ug/L	1.0	0.21		
7/10/2025	8260	2507101011	Trichloroethene (TCE)	56	ug/L	1.0	0.20		
7/10/2025	8260	2507101011	Trichlorofluoromethane (CFC 11)	95	ug/L	1.0	0.24		

Analytical Results for Sampling Events at B655-INF-2

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/10/2025	8260	2507101011	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.4	ug/L	1.0	0.20		
7/10/2025	8260	2507101011	1,1,2-Trichloro-1,2,2-Trifluoroethane	210	ug/L	2.0	0.40		D
7/10/2025	607	2507101013	N-Nitrodimethylamine	1.3	µg/L	0.0094	0.0047	72	
7/10/2025	607	2507101013	Bromacil	0.22	µg/L	0.0094	0.0047	90	
7/10/2025	607	2507101013	N-Nitrosodimethylamine	2.13	µg/L	0.0094	0.0047	47	
7/10/2025	8270	2507101014	1,4-Dioxane	0.16	ug/L	0.040	0.035		

Analytical Results for Sampling Events at MPE-1

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/21/2025	8260	2505210906	Dichlorofluoromethane (CFC 21)	1.2	ug/L	1.0	0.20		
5/21/2025	8260	2505210906	Tetrachloroethene (PCE)	4.7	ug/L	1.0	0.21		
5/21/2025	8260	2505210906	Trichloroethene (TCE)	94	ug/L	1.0	0.20		
5/21/2025	8260	2505210906	Trichlorofluoromethane (CFC 11)	180	ug/L	1.0	0.24		
5/21/2025	8260	2505210906	cis-1,2-Dichloroethene	0.26	ug/L	1.0	0.23		J
5/21/2025	8260	2505210906	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.3	ug/L	1.0	0.20		
5/21/2025	8260	2505210906	1,1,2-Trichloro-1,2,2-Trifluoroethane	340	ug/L	5.0	1.0		D
5/21/2025	607	2505210908	N-Nitrodimethylamine	1.75	µg/L	0.0096	0.0048	70	
5/21/2025	607	2505210908	Bromacil	0.63	µg/L	0.0096	0.0048	117	
5/21/2025	607	2505210908	N-Nitrosodimethylamine	2.92	µg/L	0.0096	0.0048	44	

Analytical Results for Sampling Events at MPE-10

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/21/2025	8260	2505210941	Dichlorofluoromethane (CFC 21)	1.6	ug/L	1.0	0.20		
5/21/2025	8260	2505210941	Tetrachloroethene (PCE)	3.1	ug/L	1.0	0.21		
5/21/2025	8260	2505210941	Trichloroethene (TCE)	68	ug/L	1.0	0.20		
5/21/2025	8260	2505210941	Trichlorofluoromethane (CFC 11)	130	ug/L	1.0	0.24		
5/21/2025	8260	2505210941	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.1	ug/L	1.0	0.20		
5/21/2025	8260	2505210941	1,1,2-Trichloro-1,2,2-Trifluoroethane	200	ug/L	2.5	0.50		D
5/21/2025	607	2505210943	Bromacil	0.34	µg/L	0.0099	0.005	117	
5/21/2025	607	2505210943	N-Nitrosodimethylamine	2.08	µg/L	0.0099	0.005	44	
5/21/2025	607	2505210943	N-Nitrodimethylamine	1.16	µg/L	0.0099	0.005	70	

Analytical Results for Sampling Events at MPE-11

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/21/2025	8260	2505211011	1,1,2-Trichloro-1,2,2-Trifluoroethane	17	ug/L	1.0	0.20		
5/21/2025	8260	2505211011	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.73	ug/L	1.0	0.20		J
5/21/2025	8260	2505211011	Trichlorofluoromethane (CFC 11)	12	ug/L	1.0	0.24		
5/21/2025	8260	2505211011	Trichloroethene (TCE)	8	ug/L	1.0	0.20		
5/21/2025	8260	2505211011	Dichlorofluoromethane (CFC 21)	1.2	ug/L	1.0	0.20		
5/21/2025	8260	2505211011	Tetrachloroethene (PCE)	0.36	ug/L	1.0	0.21		J
5/21/2025	607	2505211013	N-Nitrosodimethylamine	0.16	µg/L	0.0097	0.0049	44	
5/21/2025	607	2505211013	N-Nitrodimethylamine	0.09	µg/L	0.0097	0.0049	70	
5/21/2025	607	2505211013	Bromacil	0.009	µg/L	0.0097	0.0049	117	J
5/21/2025	607	2505211014	Bromacil	0.009	µg/L	0.0096	0.0048	117	J
5/21/2025	607	2505211014	N-Nitrosodimethylamine	0.16	µg/L	0.0096	0.0048	44	
5/21/2025	607	2505211014	N-Nitrodimethylamine	0.09	µg/L	0.0096	0.0048	70	

Analytical Results for Sampling Events at MPE-3

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/18/2025	8260	2507180731	1,1-Dichloroethene	1.2	ug/L	1.0	0.20		
7/18/2025	8260	2507180731	Tetrachloroethene (PCE)	2.7	ug/L	1.0	0.21		
7/18/2025	8260	2507180731	Sulfur dichloride	12	ug/L	NA	NA		J TIC
7/18/2025	8260	2507180731	Acetone	14	ug/L	10	5.0		
7/18/2025	8260	2507180731	1,1,2-Trichloro-1,2,2-Trifluoroethane	300	ug/L	2.5	0.50		D T
7/18/2025	8260	2507180731	Silane, methoxytrimethyl-	1.5	ug/L	NA	NA		J TIC
7/18/2025	8260	2507180731	Trimethylsilyl fluoride	0.77	ug/L	NA	NA		J TIC
7/18/2025	8260	2507180731	Carbon Dioxide	59	ug/L	NA	NA		J RB TIC FB
7/18/2025	8260	2507180731	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.5	ug/L	1.0	0.20		
7/18/2025	8260	2507180731	Tetrahydrofuran (THF)	1.4	ug/L	5.0	0.77		J
7/18/2025	8260	2507180731	Trichlorofluoromethane (CFC 11)	150	ug/L	1.0	0.24		
7/18/2025	8260	2507180731	Dichlorofluoromethane (CFC 21)	1.5	ug/L	1.0	0.20		
7/18/2025	8260	2507180731	Trichloroethene (TCE)	65	ug/L	1.0	0.20		
7/18/2025	8260	2507180731	Ethene, chlorotrifluoro-	0.4	ug/L	NA	NA		J TIC
7/18/2025	607	2507180733	N-Nitrosodimethylamine	1.87	µg/L	0.0095	0.0048	42	
7/18/2025	607	2507180733	N-Nitrodimethylamine	1.32	µg/L	0.0095	0.0048	70	
7/18/2025	607	2507180733	Bromacil	0.17	µg/L	0.0095	0.0048	102	
7/18/2025	METALS	2507180734	Sodium, Total	45.4	mg/L	1.0	0.5		
7/18/2025	METALS	2507180734	Thallium, Total	0.0002	mg/L	0.0010	0.00004		J
7/18/2025	METALS	2507180734	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
7/18/2025	METALS	2507180734	Zinc, Total	0.041	mg/L	0.020	0.003		
7/18/2025	METALS	2507180734	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
7/18/2025	METALS	2507180734	Strontium, Total	2.86	mg/L	0.10	0.002		
7/18/2025	METALS	2507180734	Magnesium, Total	61.7	mg/L	1.0	0.03		
7/18/2025	METALS	2507180734	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
7/18/2025	METALS	2507180734	Nickel, Total	0.033	mg/L	0.040	0.003		J
7/18/2025	METALS	2507180734	Calcium, Total	116	mg/L	1.0	0.3		
7/18/2025	METALS	2507180734	Boron, Total	0.11	mg/L	0.20	0.02		J
7/18/2025	METALS	2507180734	Barium, Total	0.033	mg/L	0.020	0.003		
7/18/2025	METALS	2507180734	Potassium, Total	6	mg/L	2.0	0.4		
7/18/2025	ANIONS	2507180735	Sulfate	332	mg/L	20	4		
7/18/2025	ANIONS	2507180735	Alkalinity, Total as CaCO3	244	mg/L	2.0	1.8		
7/18/2025	ANIONS	2507180735	Fluoride, undistilled	0.92	mg/L	0.10	0.010		
7/18/2025	ANIONS	2507180735	Chloride	55.5	mg/L	2.0	0.5		
7/18/2025	SM2540C	2507180736	Total Dissolved Solids (TDS)	874	mg/L	10	9		
7/18/2025	6850	2507180737	Perchlorate	0.48	ug/L	0.20	0.019		

Analytical Results for Sampling Events at MPE-3

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/18/2025	353.2	2507180738	Nitrate+Nitrite as Nitrogen	2.73	mg/L	0.25	0.008		

Analytical Results for Sampling Events at MPE-4

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/16/2025	8260	2507161231	1,1,2-Trichloro-1,2,2-Trifluoroethane	140	ug/L	1.0	0.20		
7/16/2025	8260	2507161231	Trichlorofluoromethane (CFC 11)	80	ug/L	1.0	0.24		
7/16/2025	8260	2507161231	Trichloroethene (TCE)	54	ug/L	1.0	0.20		
7/16/2025	8260	2507161231	Tetrachloroethene (PCE)	1.7	ug/L	1.0	0.21		
7/16/2025	8260	2507161231	cis-1,2-Dichloroethene	0.28	ug/L	1.0	0.23		J
7/16/2025	8260	2507161231	Dichlorofluoromethane (CFC 21)	0.81	ug/L	1.0	0.20		J
7/16/2025	8260	2507161231	Silane, methoxytrimethyl-	0.88	ug/L	NA	NA		J TIC
7/16/2025	8260	2507161231	Carbon Dioxide	75	ug/L	NA	NA		J TIC FB
7/16/2025	8260	2507161231	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1	ug/L	1.0	0.20		
7/16/2025	8260	2507161231	2-Propanol	75	ug/L	50	22		
7/16/2025	8260	2507161231	1,1-Dichloroethene	0.63	ug/L	1.0	0.20		J
7/16/2025	607	2507161233	N-Nitrosodimethylamine	0.69	µg/L	0.0095	0.0048	40	
7/16/2025	607	2507161233	N-Nitrodimethylamine	0.6	µg/L	0.0095	0.0048	66	
7/16/2025	607	2507161233	Bromacil	0.42	µg/L	0.0095	0.0048	108	
7/16/2025	METALS	2507161234	Sodium, Total	52.8	mg/L	1.0	0.5		
7/16/2025	METALS	2507161234	Zinc, Total	0.144	mg/L	0.020	0.003		
7/16/2025	METALS	2507161234	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
7/16/2025	METALS	2507161234	Strontium, Total	3.04	mg/L	0.10	0.002		
7/16/2025	METALS	2507161234	Potassium, Total	3.9	mg/L	2.0	0.4		
7/16/2025	METALS	2507161234	Nickel, Total	0.039	mg/L	0.040	0.003		J
7/16/2025	METALS	2507161234	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
7/16/2025	METALS	2507161234	Magnesium, Total	68.4	mg/L	1.0	0.03		
7/16/2025	METALS	2507161234	Iron, Total	0.09	mg/L	0.10	0.07		J
7/16/2025	METALS	2507161234	Calcium, Total	128	mg/L	1.0	0.3		
7/16/2025	METALS	2507161234	Boron, Total	0.13	mg/L	0.20	0.02		J
7/16/2025	METALS	2507161234	Barium, Total	0.031	mg/L	0.020	0.003		
7/16/2025	METALS	2507161234	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
7/16/2025	METALS	2507161234	Antimony, Total	0.0002	mg/L	0.0010	0.0002		J
7/16/2025	METALS	2507161234	Thallium, Total	0.00005	mg/L	0.0010	0.00004		J
7/16/2025	METALS	2507161234	Manganese, Total	0.009	mg/L	0.010	0.004		J
7/16/2025	ANIONS	2507161235	Fluoride, undistilled	0.95	mg/L	0.10	0.010		
7/16/2025	ANIONS	2507161235	Sulfate	368	mg/L	20	4		
7/16/2025	ANIONS	2507161235	Chloride	67.9	mg/L	2.0	0.5		
7/16/2025	ANIONS	2507161235	Alkalinity, Total as CaCO3	243	mg/L	2.0	1.8		
7/16/2025	SM2540C	2507161236	Total Dissolved Solids (TDS)	899	mg/L	10	9		
7/16/2025	6850	2507161237	Perchlorate	0.63	ug/L	0.20	0.019		

Analytical Results for Sampling Events at MPE-4

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
7/16/2025	353.2	2507161238	Nitrate+Nitrite as Nitrogen	3.39	mg/L	0.25	0.008		

Analytical Results for Sampling Events at MPE-9

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
5/21/2025	8260	2505210921	Dichlorofluoromethane (CFC 21)	1.2	ug/L	1.0	0.20		
5/21/2025	8260	2505210921	Tetrachloroethene (PCE)	4.8	ug/L	1.0	0.21		
5/21/2025	8260	2505210921	Trichloroethene (TCE)	110	ug/L	1.0	0.20		
5/21/2025	8260	2505210921	Trichlorofluoromethane (CFC 11)	200	ug/L	5.0	1.2		D
5/21/2025	8260	2505210921	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.2	ug/L	1.0	0.20		
5/21/2025	8260	2505210921	1,1,2-Trichloro-1,2,2-Trifluoroethane	460	ug/L	5.0	1.0		D
5/21/2025	607	2505210923	Bromacil	0.43	µg/L	0.0097	0.0049	117	
5/21/2025	607	2505210923	N-Nitrosodimethylamine	2.51	µg/L	0.0097	0.0049	44	
5/21/2025	607	2505210923	N-Nitrodimethylamine	1.46	µg/L	0.0097	0.0049	70	

Appendix B
Sampling Event Logbook Entries and Internal CoC Forms

AL MONTES & ROB BORROWS PRESENT. WEATHER IS HOT & SUNNY. THIS WELL WILL BE SAMPLED USING A DEDICATED BLADDER PUMP. SAMPLES WILL BE TAKEN FROM A NEW TEFLON DISCHARGE TUBE. CARBOY G-3

CALIBRATIONS
COND - 1413 US/cm STD
PH - 7, 10 BUFFERS
TURB - STD VIAL

METERS
PH/COND - 12
TURB MTR - 20
" STD - 9.70 NTU
" BCG - 9.73 NTU
" LOT# - A3274
" EXP - 5/31

DTW = 178.20 FT.

PARAMETERS	TEMP °C	COND MS/cm	PH	TURB (NTU)	DTW (FT)
250520 1345c	22.2	19.77	6.97	3.79	178.45
—— 1350c	21.8	19.78	6.96	3.89	178.45
—— 1355c	22.1	19.69	6.97	3.97	178.45

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINERS	LOT #	LAB
250520 1410c	8260	ICE-HCL	3-40mL VIALS	2797	ARS
—— 1412c	" (DUP)	"	"	"	"
—— 1414c	8260 (FB)	"	"	"	"
—— 1416c	6007	ICE	1LT AMB.	0119010	STL
—— 1418c	TOTAL METALS	ICE-HNO_3	2-125mL Poly	092324/.2ACS	ARS
—— 1420c	" (FB)	"	"	0 "	"

Continued from page NA

Read and Understood By

5-20-25

5-21-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-20-25 Page 1 of 1

Sample Location: 600-C-173

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	Total Metals					Charge Number: XBMD
250520 1410c	3	A	X							
1412c (DUP)	3	A	X							
1414c (EB)	3	A	X							
1416C	1	A		X						
1418c	2	A			X					
1420c (FB)	2	A			X					

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5-20-25 3:25			5-21-25 0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

5/7/25

34
PROJECT 600-A-138 WJI ENV-0013

Notebook No. D32 # 137 (B)
Continued from page N/A

Craig Del Ferraro present. Weather is clear & cool. This well will be purged dry using a Bennett pump. After well recover samples will be collected using a teflon bailer. Carboy GI

Total depth : 148.40 ft.
Initial DTW : 145.09 ft.
start purge : 0750 hrs.
stop purge : 0758 hrs.
Total gallons purged : 7
Final DTW : 145.73 ft.

Meter ID	Buffers	Lot	Exp
pH/Cond - 12	7	CC779793	6/25
Turb - 20	10	CC783411	8/25
" std - 9.70 NTU's			
" rdg - 9.76 NTU's			
" lot - A3274			
" Exp - 5/31/25			

Initial Parameters
Time : 250507 1045B
PH : 8.65
Temp : 19.8 °C
Cond : 1876 us/cm
Turb : 4.16 NTU's
pH pre : 7.03/10.04 (25.5 °C)
pH post : 7.02/10.04
DTW : 145.55 ft.

Final
Time : 250507 1105B
PH : 8.70
Temp : 20.3 °C
Cond : 1891 us/cm
Turb : 2.92 NTU's
pH pre : 7.02/10.03 (26.3 °C)
pH post : 7.00/10.02

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250507 1050B	VOA by 8260	ice/HCL	(3) 40ml vials	2774	AL
—— 1051B	" (Dupl.)	"	"	"	"
—— 1052B	" (FB)	"	"	"	"
—— 1053B	607/Bromacil	ice	(1) 1L Amber	011990IJ	SR
* —— 1054B	* " (MS) *	"	"	"	"
—— 1055B	" (FB)	"	"	"	"
—— 1056B	Total Metals	ice/HNO_3	(2) 125ml polys	N/A	AL
—— 1057B	Anions/Alk.	ice	"	011325-2ERD	"
—— 1058B	Chloride by 300.0	"	(1) 125ml poly	"	"
—— 1059B	NO2/NO3 by 353.2	ice/H_2SO_4	(1) 250ml poly	093024-4EKI	"
—— 1100B	Perchlorate by 6850	ice	(1) 125ml poly	110424-2ERD	"

Continued from page N/A

Read and Understood By

Craig Del Ferro 5/7/25 B-4 Peter W Mundle 5-7-25
Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/7/25 Page 1 of 1

Sample Location: 600-G-138

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	Total Metals				Charge Number
Pertinent Notes (if any)									
250507 1050B	3	A	✓						XGMD
1051B (Dupl)	3	A	✓						"
1052B (FB)	3	A	✓						"
1053B	1	A		✓					"
1054B (MS)	1	A		✓					"
1055B (FB)	1	A		✓					"
1056B	2	A			✓				"

Sample Location: 600-G-138

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Anions/Alk.	Chloride	NO_2/NO_3	Perchlorate			Charge Number
Pertinent Notes (if any)									
250507 1057B	2	A	✓						XGMD
1058B	1	A		✓					"
1059B	1	A			✓				"
1100B	1	A				✓			"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Fierro	5/7/25 / 1120hrs.			5-8-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

AI MONTES & ROB BURROUS PRESENT. THIS WELL WILL BE PURGED WITH BENNETT PUMP TIL DRY. CARBOY G-1. AFTER WELL RECOVERY, SAMPLES WILL BE COLLECTED W/ A TEFLON BAILER.

TOTAL DEPTH = 160FT
INITIAL DEPTH = 135.65FT
START PURGE = 0910 HRS
STOP PURGE = 0930 HRS
TOTAL GALS PURGED = 25gals

METER ID
PH/COND = 12
TURB MTR = 20
" STD = 9.74 NTU
" RDG = 9.91 NTU
" EXP = 5.31
" LOT #: A3274

IDW - 30gal

INITIAL PARAMETERS		FINAL
TIME = 250522 1310C		250522 1345C
PH = 7.50		7.39
TEMP: 21.1	°C	20.9 °C
COND: 1331	uS/cm	1329 uS/cm
TURB: 8.01	NTU	8.44 NTU
PH PRE = 7.05 - 9.48 (23.5')		7.06 - 9.97
PH POST = 7.06 - 9.47		7.07 - 9.99

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINERS	LOT #	LAB
250522 1325C	8260	ICE · HCL	3-40ml VIALS	2787	ACS
—— 1327C	8260 (FB)	"	"	"	"
—— 1329C	6007	ICE	1CT AMBER	011981J	SRL
—— 1332C	SVOA 8270D	"	2-500ML AMB	090224-1HY	ACS
—— 1335C	TOTAL METALS	" · HNO_3	2-125ml Poly	09 2324-2QES	"
—— 1337C	ANIONS-ALK	" · @HEAD	"	011325-ZERD	"
—— 1339C	TDS	ICE	250ml Poly	070824 LAOD	"
—— 1342C	PERCHLORATE	ICE · 2/3 FULL	125ml "	110424-2ORD	"
—— 1344C	NO_2 NO_3	ICE · H_2SO_4	250ml "	083024-4EKS	"

Continued from page NA

Read and Understood By

5-22-25

5-23-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-22-25 Page 1 of 1

Sample Location: L00-001-GW

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	8260	6007	SVOA	TOTAL METALS	ANIONS	TDS		Charge Number
250522 1325c	3	A	x							XGMD
1327c FB	3		x							
1329c	1			x						
1332c	2				x					
1335c	2				x	x				
1337c	2						x			
1339c	1							x		

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	PERCH.	NO2NO3						Charge Number
250522 1342c	1	A	x							XGMD
1344c	1	A		x						

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	3:00 5.22.25		5-23-25 /0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Gallegos & Tim Moore present. These samples will be purged and taken from a dedicated sampling port. Calboy "Pine Front"

Parameters	Meter ID	Buffers	LOT #	Exp
Time 2505211250	pH/cond-PineFront		CC 778283	6/25
pH 8.33	Turb-PineFront	10	CC 783411	8/25
Temp 24.7°C	"	STD-7.01		
cond 1057 us/cm	"	RDO 9.66		
Turb 1.67 NTU's	"	LOT # N/A		
pH pre 7.03/10.04 (20.7°C)	"	Exp 5/31/25		
pH post 7.01/10.04				

Samples

Sample #	Analysis	Pres	Lot #	Lab Cont
2505211300	VOAs 8260 (11)	ICE & HCl	N/A	ALS (3) 40mL vial
1301	" (FB)	"	"	" "
1302	NSMA BMN/Mo by 6007	ICE	"	SURL (1) 4 ounce
1303	LCNDMA	"	"	" "
1304	" (FB)	"	"	" "
1305	TOTAL Metals	ICE/HNO3	"	ALS (2) 125mL poly
1306	Anions/Alk	ICE	"	" "
1307	TDS	"	"	(1) 250mL poly
1308	Perchlorate	"	"	(1) 125mL poly
1309	NO2/NO3	ICE/H2SO4	"	(1) 250mL poly
1310	PFAS	ICE	"	PACE (2) 500mL poly
1311	" (FD)	"	"	" "

Continued from page N/A

Read and Understood By

Craig Del Zenero — Signed — 5/21/25 — Date — B-8

Tim Moore — Signed — 5-22-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/21/25 Page 1 of 1

Sample Location: B650 - EFF - 1

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	VOA 8260	LL-VOA 8260LL	NDMA/DMN/ BROMACIL 607	LOW LEVEL NDMA	TOTAL METALS	ANIONS / ALK	TDS SM2540C	Charge Number
250521 1300	3	A		✓						XGMD
1301 (FB)	3	A		✓						"
1302	1	A			✓					"
1303	1	A				✓				"
1304 (FB)	1	A				✓				"
1305	2	A					✓			"
1306	2	A						✓		"

Sample Location: B650 - EFF - 1

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	PERCHLORATE 6850	NO_2/NO_3 353.2	SVOA-SIM 1,4 DIOXANE 8270	TDS	PFAS			Charge Number
250521 1307	1	A				✓				XGMD
1308	1	A	✓							"
1309	1	A		✓						"
1310	2	A					✓			"
1311 (FB)	2	A					✓			"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Reiffenrath	5/21/25 / 1400hrs.		[signature]	5-22-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Calleros & Tim Moore present. These samples will be pulled and taken from a dedicated sampling port. Calboy "Pine Front"

Parameters	meter ID	Buffers	LOT #	Exp
Time 250521 1325	pH/cond-Pine Front		cc 779793	6/25
pH 7.40	Turb-Pine Front 10		cc 783411	8/25
Temp 24.2°C	" STD-9.71			
cond 1090 us/cm	" RDG-9.66			
Turb 0.41 NTU's	" LOT# N/A			
PhPre 7.00/10.03 (21.6°C)	" Exp - 5/31/25			
PhPost 7.02/10.04				

Samples

Sample #	Analysis	Preo	LOT #	LAB	CONT.
250521 1330	VOAbyS260	ICE & HCl	N/A	AIS	(3) 40ml Vial
—— 1331	" (Dup)	"	"	"	"
—— 1332	" (FB)	"	"	"	"
—— 1333	NDMA/NMEA/EDDY600	ICE	"	SWRI	(1) (Amber
—— 1334	TOTA/Metals	ICE/HNO3	"	AIS	(2) 125ml poly
—— 1335	Anions/Alk	ICE	"	"	"
—— 1336	TDS	"	"	"	(1) 250ml poly
—— 1337	Perchlorate	"	"	"	(1) 125ml poly
—— 1338	NO2/NO3	ICE/H2SO4	"	"	(1) 250ml poly
—— 1339	PFAS	ICE	"	PACE	(2) 500ml poly
—— 1340	" (FB)	"	"	"	"

Continued from page N/A

Read and Understood By

Craig DelTorchio 5/21/25 — Signed / Date

B-10

Tom Mundt 5-22-25 — Signed / Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/21/25 Page 1 of 1

Sample Location: B650-INF-1

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMNP/1,4 Dioxane BROMACIL 607 Low Level NDMA	Total Metals	Anions/ALK	TDS SM2540C	Charge Number
250521 1330	3	A	✓						XGMD
1331 (Dupl.)	3	A	✓						"
1332 (FB)	3	A	✓						"
1333	1	A			✓				"
1334	2	A				✓			"
1335	2	A					✓		"
1336	1	A						✓	"

Sample Location: B650-INF-1

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Perchlorate 6850	NO2/NO3 353.2	SVOA-SIM 1,4 Dioxane 8270	PFAS				Charge Number
250521 1337	1	A	✓							XGMD
1338	1	A		✓						"
1339	2	A				✓				"
1340 (FB)	2	A				✓				"
										"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Patterson	5/21/25/1400hrs		[signature]	5-22-25 /0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Gallegos & Tim Moore PRESENT. These samples will Be purged and sampled using a dedicated sampling port. carboy Pine front

Parameters	Meter ID	Buffers	LOT#	EXP
Time 250521 0824	PH/cond-Blue front	7	CC27923	6/25
PH 8.58	Turb-Blue front	10	CC28344	8/25
Temp 20.1°C	STD-9.71			
Cond 1155 us/cm	RDG 9.66			
Turb 0.22 NTU's	LOT# N/A			
PH pre 7.03/10.04 (19.8°C)	Exp-5/31/25			
PH POST 7.04/10.02				

Samples

Sample #	Analysis	Pres	LOT#	LAB	CONT
250521 0825	VOA by 8260 (LL)	ICE; HCL	N/A	ALS	(3) 40ml Vial
0826	" (FB)	"	"	"	"
0827	NDMA/DMA/8260/4607	ICE	"	SWRI	(1) Chamber
0828	LL NDMA	"	"	"	"
0829	" (FB)	"	"	"	"
0830	PFAS	"	"	PACE	(2) 500 mL poly
0831	" (FB)	"	"	"	"

Trip blanks – Water purification system

Sample	Analysis	Preservative	Container	Lot	Lab
250521 0800	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
0801	Low Level NDMA	ice	(1) 1L Amber	01099015	SRI

Continued from page N/A

Read and Understood By

Craig Del Zoppo 5/21/25 B-12 Lori Munck 5-21-25

Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/21/25 Page 1 of 1

Sample Location: B655 - EFF-2

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/1,4 BROMACIL by 607 LOW LEVEL NDMA	TOTAL METALS / ANIONS / ALK	TDS SM2540C	Charge Number
250521 0800 (TB)	3	A			✓				XGMD u
0801 (TB)	1	A				✓			u
0825	3	A			✓				u
0826 (FB)	3	A			✓				u
0827	1	A				✓			u
0828	1	A				✓			u
0829 (FB)	1	A				✓			u

Sample Location: B655 - EFF-2

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: PERCHLORATE 6850	NO2/NO3 353.2	SVOA-SIM 1,4 DIOXANE 8270	PFAS	Charge Number
250521 0830	2	A					✓	XGMD u
0831 (FB)	2	A					✓	u

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig Del Tredo	5/21/25 1040 hrs	[signature]	5-22-25 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Carvagos & Tim Moore present. These samples will be purged and sampled using a dedicated sampling port. Carboy "Pine front"

Reference	Meter ID	Buffers	Lot #	Exp.
Time 2505210840	pH/cond - Pine front	7	CC794793	6/25
pH 7.22	Turb - Pine front	100	CC783411	8/25
Temp, 22.8°C	" STD - 9.71			
cond ~~6444.6 uS/cm~~ 11580 uS/cm	" RDG - 9.66			
Turb 0.25 NTU's	" LOT # N/A			
pH pre 7.02/10.02 (20.7°C)	Exp - 5/31/25			
pH post 7.01/10.03				

Samples

Sample #	Analysis	Pres	LOT #	LAB	Cont
2505210841	VOA by 8260	ICE & HCl	N/A	ALS	(3) 40mL vial
—0842	" (FB)	"	"	"	"
—0843	NDMA by 1625M/Bby 607	ICE	"	SWRI	(1) L4 amber
—0844	PFAS	"	"	"	(2) 500mL poly
—0845	" (FB)	"	"	"	"

Continued from page N/A

Read and Understood By

Craig Del Zenno — Signed — 5/21/25 — Date

B-14

Tom Munk — Signed — 5-21-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/21/25 Page 1 of 1

Sample Location: B655-INF-2

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/1,4 BROMACIL 607 LOW LEVEL NDMA	TOTAL METALS	ANIONS / ALK	TDS SM2540C	Charge Number
2505210841	3	A	✓						XGMD u
0842 (FB)	3	A	✓						u
0843	1	A			✓				u
~~084~~									

Sample Location: ~~250521~~ B655-INF-2

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 6850	NO_2/NO_3 353.2	SVOA-SIM 1,4 DIOXANE 8270	PFAS				Charge Number
2505210844	2	A				✓				XGMD u
0845 (FB)	2	A				✓				u

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig Del Fiondo	5/21/25 1040hrs.	[signature]	5-22-25 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

5/15/25

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PROJECT BLM·2·630 WJI ENV·0053

Notebook No. D32 #138 (C)

Continued from page

Marcus Avalos & Tony Tapez present. Weather is clear & warm. This well will be purged & sampled using a dedicated bladder pump. Samples will be collected using a new teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G-3.

Trip Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250515 0800C	VOA by 8260	HCl/Ice	(3) 40 ml vials	2797	A/S
0801C	Low Level NOMA	Ice	(1) 1L Amber	0119901J	SRI

Calibrations

DO - Cal in 100% saturation
Cond- = using 1413 uS/cm STD.
PH - = 4, 7, 10 Buffers
Turb- = 20 NTU STD.

Parameters (time)	Temp(°C)	Cond (uS/cm)	DO	ORP	PH	Turb (NTU)
1) 250515 1010C	20.59	876.94	3.48	33.4	7.66	1.52
2) —— 1012C	20.54	882.92	3.24	33.7	7.67	1.08
3) —— 1014C	20.56	877.09	3.90	34.2	7.68	1.17

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250515 1020C	VOA by 8260	HCl/Ice	(3) 40 ml vials	2797	A/S
—— 1021C	= (FB)	=	=	=	=
—— 1022C	Low Level NOMA	Ice	(1) 1L Amber	0119901J	SRI
—— 1023C	= (Dup)	=	=	=	=
—— 1024C	= (FB)	=	=	=	=

Blind Controls

Sample #	Analysis	Preserve	Container	lot	lab
250515 1110C	Low Level NOMA	Ice	(1) 1L Amber	25G0045A	SRI

Total Gallons Purged: 2 gal

Continued from page

Read and Understood By

MA 5·15·25

Pam Munck 5-19-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5.15.25 Page 1 of 1

Sample Location: BIM.2.630

Analytical Requirement: 8260 | LL NDMA

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260	LL NDMA						Charge Number
2505150800C (TB)	3		X							XGMD
0801C (TB)	1			X						
1020C	3		X							
1021C (FB)	3		X							
1022C	1			X						
1023C (DUP)	1			X						
1024C (FB)	1			X						

Sample Location:

Analytical Requirement: 8260 | LL NDMA

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260	LL NDMA						Charge Number
2505151110C (BC)	1	A	X							XGMD

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MT GX	5.15.25 @ 1115		[signature]	5-19-25 / 0811

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

5/14/25

Notebook No. D32 # 138(c) 53

PROJECT BIM · 8 · 418 WSI ENV · 0053

Continued from page N/A

Marcus Avalos & Tony Torres present. Weather is breezy & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a Teflon discharge hose. Water quality parameters will be monitored using an In. Situ Aqua Troll 500. Carboy G3 in use.

Calibrations
DO - Cal in 100% saturation
Cond - : using 1413 µs/cm STD.
pH - : 4, 7, 10 Buffers
Turb - : 20 NTU STD.

Parameters (time)	Temp (°C)	Cond (µs/cm)	DO	ORP	pH	Turb (NTU)	DTW (ft)
1) 250514 0945 B	20.97	996.97		109.8	7.63	6.99	336.80'
2) —— 0947 B	20.99	1001.08		112.9	7.64	0.95	:
3) —— 0949 B	20.95	998.24		112.0	7.66	0.92	:

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250514 1000 B	VOA by 8260LL	HCl/Ice	(3) 40 ml vials	2799	ALS
—— 1001 B	: (FB)	:	:	2797	:
—— 1002 B	607/Bromacil	Ice	(1) 1L Amber	01199015	SRI
—— 1003 B	Low Level NDMA	:	:	:	:
—— 1004 B	: (FB)	:	:	:	:
—— 1005 B	Total Metals	HNO3/Ice	(2) 125 ml poly	092342AES	ALS
—— 1006 B	: (MS)	:	:	:	:
—— 1007 B	Anions/Alk	Ice/Zero HS	:	011325 ZERO	:
—— 1008 B	TDS by SM2540C	Ice	(1) 250ml poly	070824 ZERO	:
—— 1009 B	Perchlorate 6850	Ice/1/3 HS	(1) 125ml poly	110424 ZERO	:
—— 1010 B	NO2/NO3 by 353.2	H_2SO_4/Ice	(1) 250ml poly	093024 EKI	:

Initial DTW - 336.35'

Total Gallons Purged - 3.5

Continued from page

Read and Understood By

T. [signature] 5-14-25 B-18 Tom Mundt 5-15-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5.14.25 Page 1 of 1

Sample Location: B1m-8-418

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260C	607	EXDM4	Total Metals				Charge Number
										XGMD
250514/1000B			X							
1001B (FB)			X							
1002B				X						
1003B					X					
1004B (FB)					X	..				
1005B						X				
1006B (MS)						X				

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Anions/Alk	TDS	Perch-Lactic	NO2/NO3				Charge Number
1007B	1	A	X							
1008B	1			X						
1009B	1				X					
1010B	1					X				

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T.	5.14.25/1100			5-15-25/0815

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Matt Garcia & Craig Del Ferraro present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G2.

Calibrations
DO sensor: calibrated in 100% saturation.
Cond. sensor: " using 1413 us/cm std.
PH sensor: " " 4, 7, & 10 buffers.
Turb. sensor: " " 20 NTU std.

Parameters (time)	temp (c)	cond (us/cm)	DO	ORP	PH	Turb (NTU's)	DTW (ft
1) 250505 1350C	21.46	1121.4	7.50	99.7	7.87	2.11	508.70
2) ——— 1353C	21.55	1123.0	7.09	97.4	7.87	1.55	508.70
3) ——— 1356C	21.64	1124.8	6.87	96.3	7.89	1.36	508.70

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250505 1400C	VOA by 8260	ice/HCL	(3) 40ml vials	2797	ALS
——— 1401C	" (FB)	"	"	"	"
——— 1402C	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI

Initial DTW: 508.54ft. Total gallons purged: 1.5

Continued from page N/A

Read and Understood By

Craig Del Ferraro 5/5/25 B-20 Ken Mundt 5-6-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/5/25 Page 1 of 1

Sample Location: BLM-17-493

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607						Charge Number
250505 1400C	3	A	✓							XGMD
1401C (FB)	3	A	✓							"
1402C	1	A		✓						"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Fermo	5/5/25 / 1445hrs.		[signature]	5-6-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

5/19/25

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PROJECT BLM-22-570 WJI ENV-0053

Notebook No. D32#138(C)

Continued from page N/A

AI Montes & Craig Del Ferraro present. Weather is clear & cool. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy C3 in use.

Calibrations

DO sensor - calibrated in 100% saturation.
Cond. sensor - " using 1413 us/cm std.
pH sensor - " " 4, 7, & 10 buffers,
Turb sensor - " " 20 NTU std.

Trip blanks - Water purification system

Sample	Analysis	Preservative	Container	Lot	Lab
250519 0745C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 0746C	Low Level NDMA	ice	(1) 1L Amber	011990IJ	SRI

Parameters (time)	temp (°c)	cond (us/cm)	DO	ORP	PH	Turb (NTU's)	DTW (ft.)
250519 0930C	20.89	1194.60	5.16	N/A	7.85	2.24	514.76
——— 0933C	20.95	1196.24	5.01	"	7.83	2.03	514.76
——— 0936C	20.98	1199.40	4.91	"	7.82	1.95	514.76

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250519 0940C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 0941C	" (FB)	"	"	"	"
——— 0942C	607/Bromacil	ice	(1) 1L Amber	011990IJ	SRI
——— 0943C	Low Level NDMA	"	"	"	"
——— 0944C	" (FB)	"	"	"	"
——— 0945C	Total Metals	ice/HNO_3	(2) 125ml poly	092324-2HES	ALS
——— 0946C	Anions/Alk.	ice	"	011325-2ERD	"
——— 0947C	TDS by SM2540C	"	(1) 250ml poly	070824-2ADD	"
——— 0948C	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	"
——— 0949C	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	093024-4EKE	"

Initial DTW: 514.61 ft. Total gallons purged: 2

Continued from page N/A

Read and Understood By

Craig Del Ferraro 5/19/25 B-22 Per Mumdr 5-20-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/19/25 Page 1 of 1

Sample Location: BLM-22-570

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	607	LLNDMA					Charge Number
Pertinent Notes (if any)										
2505190745C (TB)	3	A	✓							XGMD
0746C (TB)	1	A			✓					"
0940C	3	A	✓							"
0941C (FB)	3	A	✓							"
0942C	1	A		✓						"
0943C	1	A			✓					"
0944C (FB)	1	A			✓					"

Sample Location: BLM-22-570

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Total Metals	Anions / Alk.	TDS	Perchlorate	NO2/NO3			Charge Number
Pertinent Notes (if any)										
2505190945C	2	A	✓							XGMD
0946C	2	A		✓						"
0947C	1	A			✓					"
0948C	1	A				✓				"
0949C	1	A					✓			"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Deltano	5/19/25 / 1030 hrs.		[signature]	5-20-25 / 0900

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Marcus Avalos & Craig Del Ferraro present. Weather is clear & cool. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G3 in use.

Calibrations

DO sensor - calibrated in 100% saturation.
Cond. sensor - " using 1413 us/cm std.
PH sensor - " " 4, 7, & 10 buffers.
Turb. sensor - " " 20 NTU Std.

* Modified Sampling event.

Trip blanks - Water purification system

Sample	Analysis	Preservative	Container	Lot	Lab
250509 0730C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0731C	Low Level NDMA	ice	(1) 1L Amber	011990IJ	SRT

Parameters (time)	Temp (°C)	cond (us/cm)	DO	ORP	PH	Turb (NTUs)	DTW (ft)
1) 250509 0830C	21.60	1073.8	5.15	29.3	10.92	1.31	331.70
2) ——— 0832C	21.63	1075.0	4.92	29.9	10.88	1.16	331.75
3) ——— 0834C	21.68	1078.3	4.71	31.0	10.87	1.13	331.78

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250509 0835C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0836C	" (FB)	"	"	"	"
——— 0837C	Low Level NDMA	ice	(1) 1L Amber	011990IJ	SRT
——— 0838C	" (FB)	"	"	"	"
——— 0839C	Total Metals	ice/HNO_3	(2) 125ml polys	092324-~~ZAES~~ ZAES	ALS
——— 0840C	" (Dupl.)	"	"	"	"
——— 0841C	Anions/Alk	ice	(2) "	011325-2ERD	"
——— 0842C	TDS by SM2540C	"	(1) 250ml poly	070824-2ERD	"
——— 0843C	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	"
——— 0844C	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	093024-4EKI	"

Initial DTW: 331.58ft.

Total gallons purged: 1/2 gal.

Continued from page N/A

Read and Understood By

Craig Del Ferraro 5/9/25

Peter W Munck 5-9-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/9/25 Page 1 of 1

Sample Location: BLM-24-565

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NO mA	Total Metals				Charge Number
250509 0730C (TB)	3	A	✓						~~XGMD~~
0731C (TB)	1	A		✓					"
0835C	3	A	✓						"
0836C (FB)	3	A	✓						"
0837C	1	A		✓					"
0838C (FB)	1	A		✓					"
0839C	2	A			✓				"

Sample Location: BLM-24-565

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Total Metals	Anions / Alk.	TDS	Perchlorate	NO3 / NO2			Charge Number
250509 0840C (Dupl.)	2	A	✓							~~XGMD~~
0841C	2	A		✓						"
0842C	1	A			✓					"
0843C	1	A				✓				"
0844C	1	A					✓			"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Beltrami	5/9/25 / 0935hrs.			5-12-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Marcus Avalos & Dan Halvorsen present. Weather is partly cloudy and warm. This well will be purged and sampled using a electrical bladder pump. Samples will be collected using a new Teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G2 in use.

Initial DTW: 311.00 ft.
Final " = 311.05
IDW = 1.5 gal.

Calibrations:
Do Sensor = In 100 % saturated air.
PH Sensor = Using 4,7,10 Buffers.
Conductivity = Using a 1413 us/cm STD.
Turbidity = Using a 20 Ntu STD.

Parameters (Time)	Temp	Cond	Do	PH	Turb	ORP	DTW (FT.)
250507 1435 c	21.87	1009	264	7.58	1.52	104	311.05
1437 c	21.88	1007	261	7.53	1.37	103	311.05
1439 c	21.88	1009	264	7.56	1.02	103	311.05

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250507 1433 c	VOA by 8260	Ice/HCl	(3) 40 ml V.O.A	27734	ALS
1434 c	" " (Dup)	"	"	"	"
1435 c	" " (FB)	"	"	"	"
1436 c	BDMA/DMN Bromacil by 602	Ice	(1) 1L Amber	119901	SGS
1437 c	" " (Dup)	"	"	"	"
1438 c	Total metals	Ice/HNO3	(2) 125 ml Poly	NA	ALS
1439 c	Anions/Alk	Ice	(2) "	"	"
1450 c	TDS	"	(1) 250 ml Poly	"	"
1451 c	Perchlorate	"	(1) 125 "	"	"
1452 c	NO2/NO3	Ice/H2SO4	(1) 250 "	"	"

Continued from page

Read and Understood By

5-7-2025 Ken Mundt 5-8-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-7-2025 Page _____ of _____

Sample Location: BLM-26-404

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA	607	metals	anions / NH				Charge Number
										XGMD
250507 1443 c	3	A	X							
1444 c	3	|	X							
1445 c	3	|	X							
1446 c	1	|		X						
1447 c	1	|		X						
1448 c	2	|			X					
1449 c	2	|				X				

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: TDS	Perchlorate	NO3 / NO2					Charge Number
										XGMD
250507 1450 c	1	A	X							
1451 c	1	|		X						
1452 c	1	|			X					

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	5-7-2025 1520	[signature]	5-8-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Marcus Avalos & Dan Halvorsen present. Weather is Clear and Cool. This zone will be purged and sampled using a FLUTe System. Samples will be collected using a dedicated discharge hose. This zone will be purged every 15 minutes and a minimum of 4 gallons purged prior to sampling. Purge pressure set at 281 psi, sample pressure at 252 psi. Bubbler set at 3 psi, stable at 8 psi. First 350 ml will be discarded. Carboy G3 in use.

Pre-Parameters		Parameters	
Time	250508/~~0945~~ 1035 B	250508/1050 B	
pH	8.43	8.40	
Temp	24.1°C	24.1	
Cond	977 µs/cm	979	
Turb	0.99 NTU's	0.94	
pH Pre	6.94-9.89	6.97-9.98	
pH Post	6.97-9.95	6.97-9.96	

Meter ID

pH/Cond = 92
Turb = 6
" DO = 5.02
" ROS = 5.10
" Lot = A5022
" Exp = 5/25

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250508/1052 B	VOA by 8260	Ice/HCl	(3) 40 ml Vial		ALS
1053 B	" " (FB)	"	"		"
1054 B	NDMA/DMN Bromacil by 607	Ice	(1) 1L Amber		SRL
1055 B	NDMA LL	"	"		"
1056 B	" " (FB)	"	"		"
1240 B	SVOC by 8270D	"	(2) 500 ml Amber		ALS

IDW = 4 gal

Continued from page

Read and Understood By

Signed — Date 5-8-2025

Signed — Date 5-9-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-8-2025 Page _____ of _____

Sample Location: BLM-32-543

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: VOA	607	8260 4L	8260				Charge Number
											XGMD
250508/1052 B		3	A	Y							
1053 B	FD	3		Y							
1054 B		1			Y						
1055 B		1				Y					
1056 B	FD	1				Y					
1240 B		2					Y				

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5-8-2025 1330			5-9-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

narcus Avalos & Don Halvorsen present. Weather is clear and cool. This zone will be purged and sampled using a FLUTe system. Samples will be collected using a dedicated discharge hose. This zone will be purged every 15 minutes and a minimum of 4 gallons purged prior to sampling. Purge pressure set at 281 psi, sample pressure at 252 psi. Bubbler set at 3 psi, stable at 8 psi. First 350 ml will be discarded. Carboy G3 in use.

Pre-Parameters		Parameters		Meter ID	
Time	=250508~~1035~~ 1105 B	250508~~1105~~ 1118 B		pH/Cond	=92
pH	=8.23	8.19		Turb	=6
Temp	=24.2°C	24.2		" STD	=5.02
Cond	=961 µS/cm	964		" RDG	=5.10
Turb	=0.48 NTUs	0.51		" Lot	=A5022
pHPre	=6.97-9.98	6.98-9.96		" Exp	=5/25
pHPost	=6.97-9.97	6.98-9.97			

SAMPLES

SAMPLE #	Analysis	Preserve	Container	Lot	LAB
250508 1124 B	VOA by 8260	Ice/HCl	(3) 40 ml VOA		ALS
—— 1125 B	" " (FB)	"	"		"
—— 1126 B	NDMA LL	Ice	(1) 1L Amber		SRL
—— 1127 B	" " (FB)	"	"		"

IDW: 4 gal.

Continued from page

Read and Understood By

Signed — 5-8-2025 Date

Signed — 5-9-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-8-2025 Page _____ of _____

Sample Location: BLM.32.571

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: UOR	Analytical Requirement: NDMA LL						Charge Number
										XGMD
250508/1124 B	3	A	X							
1125 B FB	3		X							
1126 B	1			X						
1127 B FB	1			X						

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5-8-2025 1330			5-9-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Marcus Abalos & Dan Halvorsen present. Weather is clear and cool. This zone will be purged and sampled using a FLUTE system. Samples will be collected using a dedicated discharge hose. This zone will be purged every 15 minutes and a minimum of 4 gallons purged prior to sampling. Purge pressure set at 281 psi, sample pressure at 252 psi. Bubbler set at 3 psi, stable at 8 psi. First 350 ml will be discarded. Caroby 63 in use.

Pre-Parameters	Parameters	Meter ID
Time = 250508/1403	250508/1200	pH/Cond = 92
pH = 8.34	8.31	Turb = 6
Temp = 24.4 °C	24.4	" STD = 5.02
Cond = 949 us/cm	951	" RDG = 5.10
Turb = 0.66 ntu's	0.64	" Lot = A5022
pH Pre = 6.98-9.97	6.98-9.97	" Exp. = 5/25
pH Post = 6.97-9.97	6.98-9.97	

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250508/1205 B	VOC by 8260	Eq/HCl	(3) 40 ml/vial		4CS
1206 B	" " (FB)	"	"		"
1207 B	NDMA LL	Ice	(1) 1L Amber		SRL
1208 B	" " (FB)	"	"		"

IDW = 4 gal.

Continued from page

Read and Understood By

Signed _____ Date 5-8-2025

Signed _____ Date 5-9-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-8-2025 Page _____ of _____

Sample Location: BLM-32-632

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOC	Analytical Requirement: 200.4						Charge Number
										XGMD
250508/205 B	3	A	4							
1206 B FB	3		4							
1207 B	1			4						
1208 B FB	1			4						

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5-8-2025 1330			5-9-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Matt Garcia & Robert Burrous present. Weather is clear & cool. This well/zone sampled using 5 triple rinsed stainless tubes. Surface checks performed on probe prior to sample. Probe 4956 Gen. in use. Carbog 61

30 Min E.D. Blanks

Sample	Analysis	Presery.	Cont.	Lot	Lab
250507 1035Y	8260	Ice/HCL	(3) 40 mL vials	2774	ALS

Initial Parameters	
Time	250507
pH	8.01
Temp	21.2°C
Cond.	1353 us/cm
Turb	1.38 NTUs
PH pre	7.06, 10.06 (17.4°C)
PH post	" "
ATMOS	12.42 psia

Final	
250507 1340Y	
7.01	
22.9°C	
1602 us/cm	
1.55 NTUs	
7.03, 10.06 (23.9)	
" "	
12.48 psia	

Meter I.D's
PH/cond - 16
Turb - 7
" STD - 47.0 NTUs
" RDG - 47.5 NTUs
" LOT - A50722
" EXP - 5/31

Samples					
250507 1333Y	8260	Ice/HCL	(3) 40 mL vials	2774	ALS
1334Y	607	Ice	(1) 1L Amber		$7
1400Y	" (Dupl)	"	" "	"	"
1434Y	T. Metals	Ice/HNO_3	(2) 125 mL Poly		AL
~~1435Y~~ MC.					

Runs -	1)	2)	3)	4)
	12.77	12.77	12.71	12.77
	32.91	33.27	33.26	33.23
	32.28	32.48	33.01	33.12
	12.71	12.74	12.78	12.71

Continued from page

Read and Understood By

Matt Garcia — Signed — 5/7/25 — Date

Jesse Quinonez — Signed — 5-8-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/7/25 Page 1 of 1

Sample Location: BLM-36-800

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	T. Metals	Anions/ALK	TDS	PerChlorate	NO_2 NO_3			Charge Number
2505070910Y	2	A	X							XGMD
0911Y	2	↓		X						↓
0912Y	1				X					
0950Y	1					X				
0951Y	1						X			

Sample Location: BLM-36-350

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260							Charge Number
2505071035Y (EB)	3	A								XGMD

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Davis	5/7/25 1100hrs		[signature]	5-8-25 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/7/25 Page _____ of _____

Sample Location: BLM-36-350

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	T. Metals					Charge Number
250507 1333Y	3	A	x							x GMD
1334Y	1	↓		x						↓
1400Y (Dup)	1			x						
1434Y	2	↓			x					

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	5/7/25 1500hrs		[signature]	5-8-25 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Robert Burrows & Dan Halvorsen present. Weather is clear and cool. This well will be sampled using 5 Triple rinsed stainless steel sampling tubes. Surface checks performed on Probe # 4955 prior to sampling. Carboy G1 in use. Generator in use.

Trip Blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
250505 0730y	Voa by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS

30 minute Equipment Blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
250505 0840y	Voa by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS
0841y	NDMA/DMN Bromacil by 607	Ice	(1) 1L Amber	119901	SRL

Initial Parameters		Final Parameters		Meter ID	
Time	= 250505 0930y	250505 1250y		pH/Cond	= 16
pH	= 7.81	7.76		Turb	= 7
Temp	= 24.4 °C	24.4		DO	= 47.0
Cond	= 1309 us/cm	1312		ROG	= 47.4
Turb	= 1.27 ntu's	1.18		Lot	= 45022
pH Pre	= 6.97 - 9.96	6.99 - 9.98		Exp	= 5/25
pH Post	= 6.98 - 9.97	6.97 - 9.98			
Barom	= 12.48 psig	12.48			

Samples

Sample #	Analysis	Preserve	Container	Lot	Lab
250505 1006y	Voa by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS
1007y	NDMA/DMN Bromacil by 607	Ice	(1) 1L Amber	119901	SRL
1045y	Total metals	Ice/HNO3	(2) 125 ml Poly	N/A	ALS
1046y	Anions/Nit	Ice	(2) "	"	"
1047y	TDS	"	(1) 250 ml Poly	"	"
1048y	Perchlorate	"	(1) 125 ml Poly	"	"
1049y	DO2/TO3	Ice/H2SO4	(1) 250 ml Poly	"	"

Runs -	1)	2)	3)	4)
	37.37	37.28	37.21	37.12
	98.30	98.25	98.34	98.33
	98.13	98.22	98.30	98.54
	37.37	37.27	36.95	36.38

Continued from page

Read and Understood By

Signed _____ Date 5.5.2025 B-37 Signed Ken Munck Date 9-6-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5.5.2025 Page _____ of _____

Sample Location: BLM.36-610

Analytical Requirement

Sample Number / Pertinent Notes (if any)	# of Containers	Sample Matrix*	U08	L07	Anions/5	Cations/DIK				Charge Number
										X6MD
250505 0730 y TB	3	A	X							
0840 y EB	3		X							
1036 y	3		X							
0841 y EB	1			X						
1007 y	1			X						
1045 y	2				X					
1046 y	2					X				

Sample Location:

Analytical Requirement

Sample Number / Pertinent Notes (if any)	# of Containers	Sample Matrix*	TDS	Perchlorate	NO3/NO2					Charge Number
										X6MD
250505 1047 y	1	A	X							
1048 y	1			X						
1049 y	1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5.5.2025 1530			5.6.25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Matt Garcia & Robert Burrows present. Weather is cloudy & cool. This well sampled using 5 triple rinsed stainless tubes. Surface checks preformed on probe prior to sampling. Probe - 4955. Gen in use. Carboy - G1. Started 5/6/25 and finished on 5/7/25.

30 min E.Q Blanks

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250506 1315 Y	8260	Ice/HCl	(3) 40mL vials	2774	ALS

Initial Parameters		Final		meter ID's	
Time	250506 1429 Y	250507 0955 Y		PH/cond	- 16
PH	- 8.12	7.71		Turb	- 7
Temp	- 24.6°C	24.6°C		STD	- 47.0
Cond	- 1297 us/cm	1335 us/cm		ROC	- 49.1
Turb	- 2.15 NTUs	1.34 NTUs		LOT	- A50222
PH Pre	- 7.02, 10.05 (22.5)	7.04, 10.02 (21.9°C)		EXP	- 5/31
PH PosT	- " "	" "			
ATMOS	- 12.49 psia				

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250506 1503 Y	8260	Ice/HCl	(3) 40mL vials	2774	ALS
—— 1504 Y	6007	Ice	(1) 1L Amber	119901	SRI
250507 0910 Y	T. metals	Ice/HNO_3	(2) 125mL Poly	NA	ALS
—— 0911 Y	Anions/ALK	Ice/Zero H.S	(2) 125mL Poly	NA	"
—— 0912 Y	TDS	Ice	(1) 250mL Poly	"	"
—— 0950 Y	Perchlorate	Ice/1/3 H.S	(1) 125 mL Poly	"	"
—— 0951 Y	NO_2/NO_3	Ice/H_2SO_4	(1) 250 mL Poly	"	"

Runs -	1)	2)	3)	4)
	119.99	119.91	120.00	119.84
	176.97	176.97	181.14	182.65
	180.78	175.66	180.65	144.00
	119.87	119.81	119.75	119.63

Continued from page

Read and Understood By

Matt Garcia Signed 5/7/25 Date

Robert Burrows Signed 5-8-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/6/25 Page 1 of 1

Sample Location: BLM-36-800

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	6007						Charge Number
250506 1315Y (EB)	3	A	X							XGMD
1503Y	3	↓	X							↓
1504Y	1	↓		X						↓

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	5/6/25 1535Y		[signature]	5-7-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/7/25 Page 1 of 1

Sample Location: BLM-36-800

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: T. Metals	Anions/Alk	TDS	PerChlorate	NO_2/NO_3			Charge Number
2505070910Y	2	A	X							XGMD
0911Y	2	↓		X						↓
0912Y	1				X					
0950Y	1					X				
0951Y	1	↓					X			↓

Sample Location: BLM-36-350

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260							Charge Number
2505071035Y (EB)	3	A								XGMD

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Davis	5/7/25 1100hrs		[signature]	5-8-25 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Robert Burrows & Dan Halvorsen present. Weather is partly cloudy, breezy and hot. This well will be sampled using 5 triple rinsed Stainless Steel sampling tubes. Surface checks performed on probe #4955. Carboy G1 in use. Generator in use.

30 minute Equipment Blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
250505/1340 y	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS

Initial Parameters		Final Parameters		Meter ID	
Time	= 250505/1431 y	250506/1048 y		pH/Cond	= 16
pH	= 7.81	7.02		Turb	= 7
Temp	= 25.2°C	21.7		STD	= 47.0
Cond	= 1179 us/cm	1370 us/cm		RDG	= 47.4
Turb	= 53.2 ntu's	43.2 NTU's		Lot	= A5022
DO Pre	= 6.99-9.98			Exp	= 5/25
DO Post	= 6.99-9.98				
ORP	= 12.47	12.54			

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250505/1500 y	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS
——/1501 y	NDMA/DMN Bromate by 607	Ice	(1) 1L Amber	11990	SRL
250506/0950 y	Total Metals	Ice/HNO3	(2) 125 ml Poly	N/A	ALS
——/0951 y	Anions/Alk	Ice	(2) "	"	"
——/0952 y	TDS	"	(1) 250 ml Poly	"	"
——/0953 y	Perchlorate	"	(1) 125 " "	"	"
——/1030 y	VOA/VOA	Ice/H2SO4	(2) 250 " "	"	"

Runs-	1)	2)	3)	4)
	~~145.84~~ ~~150.14~~	145.85	145.99	146.03
	142.34	142.33	142.21	142.25
	142.30	142.31	142.25	142.27
	145.82	145.84	145.91	146.01

Continued from page

Read and Understood By

Matt Garza 5/6/25 Date

Dan Munck 5-7-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-5-2025 Page _____ of _____

Sample Location: BLM-36-860

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
			V02	L07						XGMD
250505134Oy EB	3	A	X							
1500y	3	1	X							
1501y	1	1		X						

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5-5-2025 1530			5-6-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/6/25 Page 1 of 1

Sample Location: BLM-36-860

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	T. metals	Anions/Alk	TDS	Perchlorate	NO3-NO2			Charge Number
250506009501	2	A	X							XGMD
0951Y	2			X						
0952Y	1				X					
0953Y	1					X				
1030Y	1	↓					X			↓

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Gonzales	5/6/25 1535Y		Paul Munch	5-7-25 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

PROJECT Plum 38-480 ENV-0020

Notebook No. Diaz #134 y

Continued from page _____

Robert Burrows & Dan Halvorsen present. Weather is partly cloudy and cool. This zone will be sampled using 5 triple rinsed stainless steel sampling tubes. Surface checks performed on Probe #4955 prior to sampling. Carboy 601 in use. Generator in use.

Trip Blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
250514 0910 y	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	ALS
——— 0911 y	NDMA LL	Ice	(1) 1L Amber	119901	SRL

30 minute equipment blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
250514 0810 y	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	ALS
——— 0811 y	NDMA LL	Ice	(1) 1L Amber	119901	SRL

Initial Parameters	Final Parameters	meter ID
Time = 250514 0900 y	250514 1348 y	pH/cond = 116
pH = 8.14	8.10	Turb = 7
Temp = 22.1 °C	22.2	" SDO = 47.0
Cond = 1015 ms/cm	1061	" ROC = 47.3
Turb = 0.61 ntus	0.58	" Lot = A5022
pH Pre = 6.92 - 9.93	6.96 - 9.95	" Exp = 5/25
pH Post = 6.93 - 9.94	6.96 - 9.95	
Atmos = 12.53 psig	12.55	
DTW = 406.83 ft.	406.94 ft.	

Samples

Sample #	Analysis	Preserve	Container	Lot	Lab
250514 0930 y	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	ALS
——— 0931 y	NDMA/1,4-Dioxane Bromacil by 607	Ice	(1) 1L Amber	119901	SRL
——— 1008 y	NDMA LL	"	(1) "	"	"
——— 1300 y	Total metals	Ice/HNO3	(2) 125 ml Poly	NA	ALS
——— 1301 y	Anions/Alk	Ice	(2) "	"	"
——— 1302 y	TDS	"	(1) 250 ml Poly	"	"
——— 1340 y	Perchlorate	"	(1) 125 "	"	"
——— 1341 y	NO2/NO3	Ice/H2SO4	(2) 250 "	"	"

Continued from page

Read and Understood By

Signed

5-14-2025

Signed

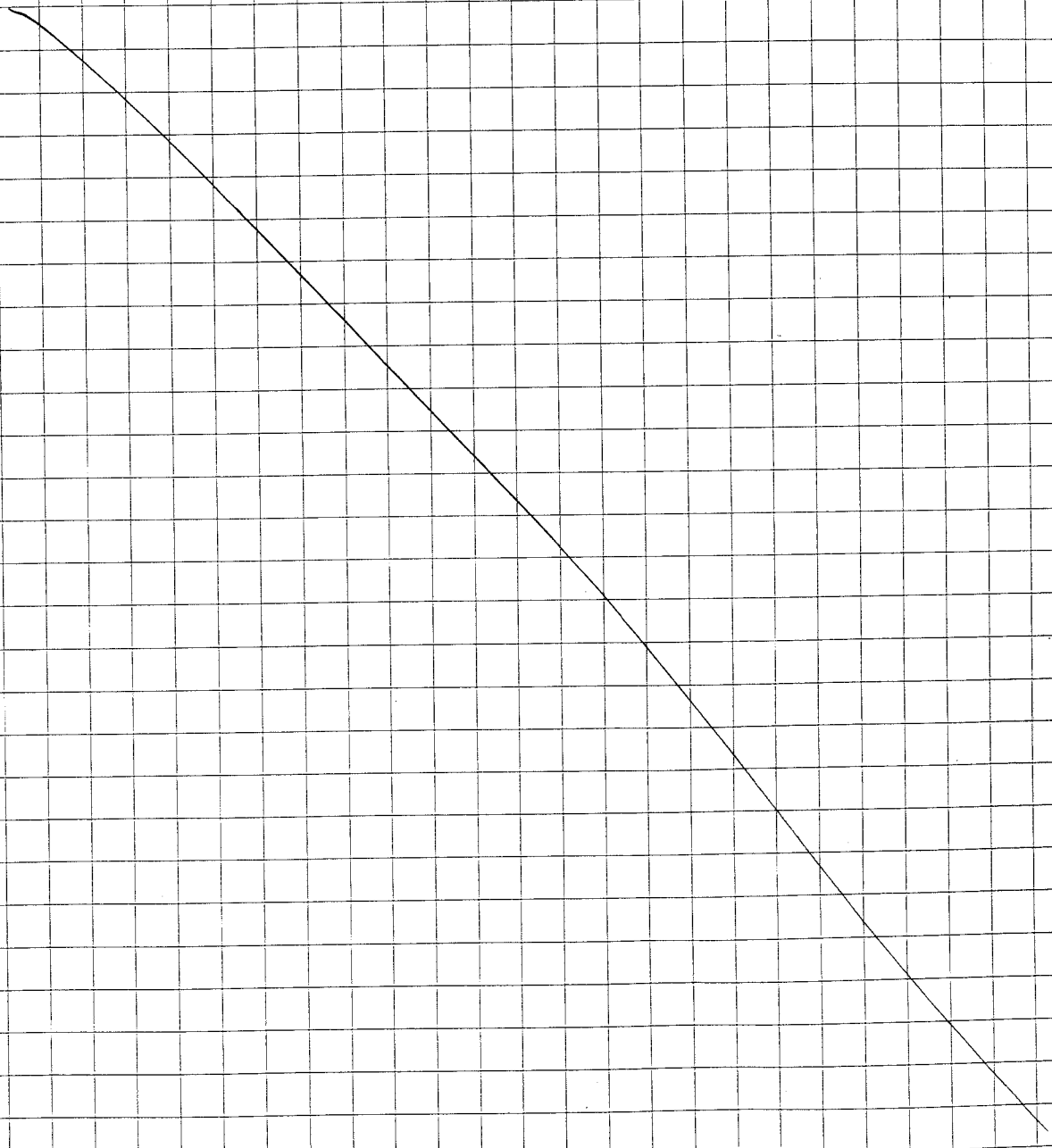
5-15-25

PROJECT Blm. 38-480 ENV-0020

Notebook No. D64 #134 y

Continued from page

	1)	2)	3)	4)	5)
Rods.-	48.31	48.30	48.29	48.28	48.27
	39.33	39.32	39.25	39.20	39.18
	39.25	39.27	39.11	39.10	39.17
	48.30	48.30	48.27	48.27	48.26



Continued from page

Read and Understood By

5-14-2025

Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-14-2025 Page _____ of _____

Sample Location: RM. 38. 480

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	VOC	607	NDMA LL	Perchlorate				Charge Number
										XGMD
250514 0710 TB EB	3	A	X							
0810 EB	3		X							
0930	3		X							
0931	1			X						
0711 TB	1				X					
0811 EB	1				X					
1008	1				X					

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Metals	Anions / Alk	TDS	Perchlorate	1,4-D			Charge Number
250514 1800	2	A	X							
1301	2			X						
1302	1				X					
1340 ~~1410~~	1					X				
1341	1						X			

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5-14-2025 1400			5-15-25 / 0815

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Robert Burrows & Dan Halvorsen present. Weather is partly cloudy and warm. This zone will be sampled using 5 triple rinsed stainless steel sampling tubes. Surface Chucks performed on Probe # 4955 prior to sampling. Carboy G1 in use. Generator in use.

30 minute equipment blanks

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
250513 0815 y	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	ALS
— 0816 y	VOA LL	Ice	(1) 1L Amber	119901	SRI

Initial Parameters		Final Parameters		Meter ID	
Time	= 250513 0912 y	250513 1100 y		pH/Cond	= 16
pH	= 7.43	7.40		Turb	= 7
Temp	= 22.8°C	22.8		" DO	= 47.0
Cond	= 1227 µs/cm	1221		" ORP	= 47.2
Turb	= 1.03 ntu's	0.99		" Lot	= 95022
Pre	= 6.96-9.95 (21.6°C)	6.97-9.98		" Exp	= 5/25
Post	= 6.96-9.96	6.97-9.98			
Pmax	= 12.60 psia	12.60			
GW	= 406.75 ft.	406.83 ft.			

SAMPLES

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
250513 0942 y	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	ALS
— 0943 y	NDMA/DMN Bromacil by 607	Ice	(1) 1L Amber	119901	SRI
— 1020 y	VOA LL	"	"	"	"
— 1021 y	Total metals	Ice/HNO3	(2) 125 ml Poly	N/A	ALS
— 1052 y	Anions/AIK	Ice	(2) "	"	"
— 1053 y	TDS	"	(1) 250 ml Poly	"	"
— 1054 y	Perchlorate	"	(1) 125 ml Poly	"	"
— 1055 y	NO2/NO3	Ice/H2SO4	(1) 250 "	"	"

ons-	1)	2)	3)	4)
	109.56	109.54	109.48	109.40
	86.52	86.49	86.47	86.45
	86.16	86.40	86.30	86.31
	109.54	109.53	109.45	109.39

Continued from page

Read and Understood By

5-13-2025

B-48

5-14-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-13-2025 Page _____ of _____

Sample Location: BLM-38-620

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: UOR	607	VDM94L	methyls	Anions/DIK			Charge Number
										XGMD
250513 0815 EB	3	A	X							
0942	3		X							
0943	1			X						
0816 EB	1				X					
1020	1				X					
1021	2					X				
1052	2						X			

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: TDS	Perchlorate	NO3/NO3					Charge Number
										XGMD
250513 1053	1	A	X							
1054	1			X						
1055	1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	5-13-2025 1115		[signature]	5-14-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Al Montes & Craig Del Ferraro present. Weather is clear, warm, & windy. This well will be purged using a dedicated bladder pump. Samples will be collected using a dedicated teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G3 in use.

Calibrations
DO sensor - calibrated in 100% saturation.
Cond. sensor - " using 1413 us/cm std.
PH sensor - " " 4, 7, & 10 buffers.
Turb. sensor - " " 20 NTU std.

Parameters (time)	Temp (°c)	cond (us/cm)	DO	ORP	PH	Turb (NTU's)	DTW (ft.)
1) 250519 1350C	21.93	860.19	6.59	N/A	8.59	1.43	236.61
2) ——— 1353C	22.10	858.70	6.42	"	8.63	1.30	236.61
3) ——— 1356C	22.19	857.44	6.33	"	8.67	1.12	236.61

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250519 1400C	VOA by 8260	ice/HCL	(3) 40ml vials	2797	ALS
——— 1401C	" (FB)	"	"	"	"
——— 1402C	607/Bromacil	ice	(1) 1L Amber	01199012	SRI
——— 1403C	Total Metals	ice/HNO3	(2) 125ml polys	092324-2AES	ALS

Initial DTW: 236.33ft. Total gallons purged: 1.5

Continued from page N/A

Read and Understood By

Craig Del Ferraro 5/19/25 B-50 Ron Munde 5-20-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/19/25 Page 1 of 1

Sample Location: BW-5-295

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	Total Metals					Charge Number
250519 1400 C	3	A	✓							XGMO
1401 C (FB)	3	A	✓							4
1402 C	1	A		✓						4
1403 C	2	A			✓					4

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Peterson	5/19/25 / 1445 hrs.		[signature]	5-20-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Frank Gallegos & Craig Del Ferro present. These samples will be purged and taken from a dedicated sampling port. Carboy "Pine Front"

Parameters	Meter ID	Buffers	Lot #	Exp
Time 2505210905	pH/cond-Pine Front 7	QC	779793	6/25
pH - 7.34	Turb-Pine Front 10	CC	783411	8/25
Temp - 19.5°C	STD - 9.71			
Cond - ~~644.3 us/cm~~ 1289 us/cm	RDC 9.66			
Turb 0.49 NTS	Lot # N/A			
pH pre 7.02/10.04 (22.7°C)	Exp. 5/31/25			
pH post 7.03/10.04				

Samples

Sample #	Analysis	Bottle	Lot #	LAB	Cont
2505210906	VOA by 8260	ICE ONLY	N/A	ALS	(3) 40mL vial
——— 0907	(FB)	"	"	"	"
——— 0908	NO3/NO2/TKN/Total Phos	ICE	"	SWRI	(1) Cubitainer

Continued from page N/A

Read and Understood By

Craig Del Ferro — Signed — 5/21/25 — Date

B-52

Lori Wrenda — Signed — 5-21-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/21/25 Page 1 of 1

Sample Location: MPE-1

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/ BROMACIL 607 LOW LEVEL NDMA	TOTAL METALS	ANIONS / MW	TDS SM2540C	Charge Number
250521 0906	3	A	✓						XGMD 4
0907 (FB)	3	A	✓						"
0908	1	A			✓				"

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 6850	NO_2/NO_3 353.2	SVOA-SIM 8270 1,4 DIOXANE				Charge Number
									XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig Dalferes	5/21/25 / 1040hrs	[signature]	5-22-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

From Kocal logos & C. DelFerraro present. These samples will be purged and sampled using a dedicated sampling port. Carboy "Plume front"

Parameters		Meter ID	Buffers	LOT #	Exp
Time	2505210920	PH/cond-Plume front 7		CC 779783	6/25
PH	7.35	Turb-Plume front 10		CC 783411	8/25
Temp	23.4°C	"STD - 9.71			
cond	125 us/cm	"RDG 9.66			
Turb	0.99 NTU's	"LOT # N/A			
PH PRE	7.02/10.01 (23.1°C)	"Exp - 5/31/25			
PH POST	7.03/10.01				

Sample #	Analysis	Samples Per	LOT #	LAB CONT
250521 0921	VOA by 8260	ice field	2797	4 (5) 40 ml vial
0922	"(FB)	"	"	"
0923	NWTA/SMM/Brody607	ice	QQ09901J	500 ml (1) L 4-meer

Continued from page N/A

Read and Understood By

Craig DelZenno Signed 5/21/25 Date B-54 Lori Nunes Signed 5-21-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/21/25 Page 1 of 1

Sample Location: MPE-9

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMW/607 BROMACIL LOW LEVEL NDMA	TOTAL METALS	ANIONS/ALK	TDS SM2540C	Charge Number
250521 0921	3	A	✓						XGMD "
0922 (FB)	3	A	✓						"
0923	1	A			✓				"

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 6850	NO2/NO3 353.2	SVOA-SIM 8270 1,4 DIOXANE					Charge Number
										XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig DeTemo	5/21/25/1040hrs	Jon Wunder	5-22-24/0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Field calibrations & C. Del Ferraro present. These samples will Be pursed and sampled using a dedicated sampling port. Carboy "Pinetcont"

Parameters	meter ID	Buffers	LOT #	Exp
Time 250521 0940	pH/cond-Pinchart 7		CC779793	6/25
pH 7.54	Turb-Pinchart 10		CC783411	8/25
Temp 19.3°C	"SpD-9.71			
Cond 1207 us/cm	"RDG 9.66			
Turb 0.54 NTU's	"LOT# N/A			
pH Pre 6.98/7.01 (25.3°C)	"Exp-5/31/25			
pH Post 6.99/7.02				

Samples

Sample #	Analysis	Pres.	LOT #	LAB	CONT
250521 0941	VOA by 8260	ICE, HCl	N/A	ALS	(3) 40 mL vial
—— 0942	" (FB)	"	"	"	"
—— 0943	NDMA/DMN/Bromide by 607	ICE	"	SWRL	(1) L+amber

Continued from page N/A

Read and Understood By

Craig Del Ferraro 5/21/25 Signed Date

B-56

Peter Mundle 5-21-25 Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/21/25 Page 1 of 1

Sample Location: MPE-10

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMW/607 BROMACIL Low Level NDMA	TOTAL METALS	ANIONS / ALK	TDS SM2540C	Charge Number
2505210941	3	A	✓						XGMD
0942 (FB)	3	A	✓						"
0943	1	A			✓				"

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 6850	NO_2/NO_3 353.2	SVOA-SIM 1,4 DIOXANE 8270					Charge Number
										XGMD

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Fernd	5/21/25/1040hrs.		[signature]	5-22-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Gallegos & C. DelFerraro present. The samples will be pulled and sampled using a dedicated sampling port. (Carboy: Plume Front)

Parameters	Meter ID	Buffers	LOT #	Exp
Time 250521 1010	PH/Cond - Plume Front		CC 779793	6/25
PH 7.44	Turb - Plume Front 10		CC 783411	8/25
Temp 26.2 C		STD 2.71		
Cond 1026 us/cm		2DG 9.66		
Turb 2.9 NTU's		LOT # N/A		
PH Pre- 6.96/10.00 (27.3 C)		Exp - 5/31/25		
PH post 6.98/10.01				

Samples

Sample #	Analysis	Pres	Lot #	MAB	Cont
250521 1011	VOAs by 8260	ICE/HCl	N/A	A15	(3) 40ml Vial
1012	" (FB)	"	"	"	"
1013	NDMA/NMBA by 607	ICE	"	SWR1	(1) Lt amber
1014	" (Dup)	"	"	"	"

Continued from page N/A

Read and Understood By

Craig DelFerraro 5/21/25 B-58 Pam Mundt 5-21-25

Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/21/25 Page 1 of 1

Sample Location: MPE-11

Sample Number	# of Containers	Sample Matrix*	VOA 8260	LL-VOA 8260LL	NDMA/DMN/ 607 BROMACIL LOW LEVEL NDMA	TOTAL METALS	ANIONS / ALK	TDS SM2540C	Charge Number
250521 1011	3	A	✓						XGMD
1012 (FB)	3	A	✓						"
1013	1	A			✓				"
1014 (Dupl.)	1	A			✓				"

Pertinent Notes (if any)

Sample Location:

Sample Number	# of Containers	Sample Matrix*	PERCHLORATE 6850	NO_2/NO_3 353.2	SVOA-SIM 8270 1,4 DIOXANE					Charge Number
										XGMD

Pertinent Notes (if any)

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig DeTreux	5/21/25/1040hrs.		5-22-25 / 0833

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Tony Torres & Dan Halvorsen present. Weather is clear and warm. This well will be purged ~~and~~ and sampled using a dedicated bladder pump. Samples will be collected using a Teflon discharge hose.

Total Depth = 171.16 ft.
Initial DTW = 136.55 ft.
3 casing vol. 17 gal.
Purge Rate = 0.25 gpm

Meter ID
PH/Cond = 92
TURB = 6
STD = 5.02
ROG = 5.06
LOT = A5022
EXP = 5/25

	Initial Parameters	Secondary Parameters	Final Parameters
Time	= 250519 0945	250519 1000	250519 1020
PH	= 8.47	8.29	8.26
Temp	= 20.8°C	20.8	20.7
Cond	= 1240 µs/cm	1231	1236
Turb	= 4.99 NTUs	3.67	3.63
PH Pre	= 6.92-9.94	6.93-9.94	6.94-9.95
PH Post	= 6.93-9.94	6.93-9.94	6.94-9.95

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250519 1005 A	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS
1006 A	" " (Dup)	"	"	"	"
1007 A	" " (FB)	Ice/HCl	"	"	"
1008 A	NDMA/DMN Bromacil by 607	Ice	(1) L Amber	19890	SRL
1009 A	" " (FB)	"	"	"	"
1010 A	Total Metals	Ice/HNO3	(2) 125 ml Poly	N/A	ALS

Continued from page

Read and Understood By

Signed 5-19-2024 Date

Signed 5-20-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-19-2025 Page _____ of _____

Sample Location: NASA 4

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	U02	L07	Metals					Charge Number
										XGMD
250519 1005 A	3	A	4							
1006 A	3		4							
1007 A FB	3		4							
1008 A	1			4						
1009 A FB	1			4						
1010 A	2				4					

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5-19-2025 1035			5-20-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Robert Burrows & Dan Halvorsen present. Weather is cloudy and warm. This zone will be sampled using 5 triple rinsed stainless steel sampling tubes. Surface checks performed on Probe #49.55. Carboy G1 in use. Generator in use.

30 minute Equipment blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
250512 1050 y	Voa by 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	QLS
—— 1051 y	NDMA LL	Ice	(5) 1L amber	119801	SRI

Initial Parameters	Final Parameters	meter ID
Time = 250512 1315 y	250512 1430 y	PH/COND = 16
PH = 7.84	7.79	TURB = 7
TEMP = 25.9 °C	25.8	" STD = 47.0
COND = 1221 us/cm	1226	" READ = 47.4
TURB = 4.43 NTU's	4.38	" LOT = A5022
PHPRE = 6.95-9.94	6.97-9.98	" EXP = 5/25
PHPOST = 6.95-9.94	6.97-9.97	
BTMES = 12.61 psig	12.59	
DTW = 486.35 ft.	486.43 ft.	

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250512 1350 y	Voa by 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	QLS
—— 1351 y	NDMA/1,4 Dioxane/1,2,3 TCP by 8270	Ice	(1) 1L Amber	119801	SRI
—— 1410 y	NDMA LL	"	(1) "	"	"
—— 1411 y	Total metals	Ice/HNO3	(2) 125 ml Poly	V 14	QLS

Runs:	1)	2)	3)	4)
	49.02	48.99	48.95	48.96
	45.17	45.16	45.17	45.16
	45.17	45.16	45.16	45.17
	49.02	48.99	48.95	48.95

Continued from page

Read and Understood By

5.12.2025 B-62 5-13-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-12-2025 Page _____ of _____

Sample Location: PL-7-560

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: U06	UDMA4	607	Metals				Charge Number
										X6MD
250512/1050 EB	3	A	4							
1350	3		4							
1051 EB	1			4						
1410 ~~1351~~	1			4						
1351 ~~1410~~	1				4					
1411	2					4				

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	5-12-2025 1500		5-13-25 0855

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Tony Torres & Dan Halvorsen present. Weather is Clear and Warm. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Carboy G1 in use.

Parameters (Time)

~~PH = 250520 1425 A~~ 250530 1425 A
Temp = 22.5
Cond = 1106 us/cm
D.O = 0.89 mg/L
P.Pre = 6.96 - 9.94
P.Purge = 6.95 - 9.85
PA = 7.42

Meter ID

PH/Cond = 92
Turb = 6
DO = 5.02
ORP = 5.06
Lot = A50222
Exp = 5/25

SAMPLES

Sample #	Analysis	Preserve	Containers	Lot	Lab
250520 1430 A	VOA's 8260	Ice/HCl	(3) 40 ml Vials	2774	ALS
1431 A	" " (FB)	"	"	"	"
1432 A	NDMA LL	Ice	(1) 1 Amber	119901	SRL
1433 A	" " (FB)	"	"	"	"

Continued from page

Read and Understood By

Signed

5.20.2025
Date

Signed

5-21-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-20-2025 Page _____ of _____

Sample Location: PL-12-570

Analytical Requirement

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	VOA	NDMALL						Charge Number
											XGND
250520-1430A		3	A	X							
1431A	FB	3		X							
1432A		1			X						
1433A	FB	1			X						

Sample Location:

Analytical Requirement

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5.20.2025 1500			5-21-25 0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Tony Torrez & Dan Halvorsen present. Weather is Clear and Cool. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G1 in use.

Calibrations:
Do Sensor: In 100% Saturated air
pH Sensor: Using 4, 7, 10 Buffers
Conductivity: Using a 1413 µS/cm STD
Turbidity: Using a 20 NTU STD.

Parameters (Time)	Temp	Cond	Do	pH	ORP	Turb
250520 0930 A	21.1	1073	N/A	7.45	N/A	0.93
—— 0932 A	21.2	1070	N/A	7.41	N/A	0.95
—— 0934 A	21.1	1071	N/A	7.42	N/A	0.90

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	LAB
250520 0937 A	VOCs by 8260	4c/HCl	(3) 40 ml Vial	2774	ALS
—— 0938 A	" " (FB)	"	"	"	"
—— 0939 A	NDMA LL	Ice	(1) 1L Amber	119801	SRL
—— 0940 A	" " (Dup)	"	"	"	"
—— 0941 A	" " (FB)	"	"	"	"

Parameters were taken using a turbidity and a pH meter, rather than an In-Situ.

Continued from page

Read and Understood By

Signed — Date: 5.20.2025

Signed — Date: 5-21-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-20-2025 Page _____ of _____

Sample Location: PL-12-800

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	VOA	SOMA, LL						Charge Number
										XGMD
250520093 7 A	3	A	X							
0938 A	3		X							
0939 A	1			X						
0940 A	1			X						
0941 A	1			X						

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5.20.2025 1100			5-21-25 0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

PROJECT ST-1-541 WSI: ENV-0053

Notebook No. D32#138c

Continued from page NA

AI MOATES & ROB BURROWS PRESENT. WEATHER IS WARM & CLEAR. THIS WELL WILL BE SAMPLED USING A DEDICATED BLADDER PUMP. CARBOY G-1. SAMPLES WILL BE TAKEN WITH A NEW TEFLON DISCHARGE TUBE.

PARAMETER	FINAL
TIME - 250521 0930c	250521 1010c
PH - 8.39	8.19
TEMP - 20.5 °C	20.2 °C
COND - 1270 uS/cm	1281 uS/cm
TURB - 1.85 NTU	0.93 NTU
PH PRE - 7.10 - 9.95 (21.7c)	7.09 - 9.96 (22.1c)
PH POST - 7.09 - 9.97	7.08 - 9.95

METER ID

PH/COND 12

TURB MTR - 20

" STD - 5.70 NTU

" RDG - 9.89 NTU

" EXP - 5.31

" LOT# - A3274

DTW - 477.10'

IDW - 2 gal

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINER	LOT#	LAB
250521 0948c	8260	ICE HCL	3-40mL VOAS	2797	ALS
0950c	8260 (DUP)	"	"	"	"
0952c	8260 (EB)	"	"	"	"
1000c	607	ICE	1 LT. AMB.	011961J	SRL
1002c	607 (DUP)	"	"	"	"

Continued from page NA

Read and Understood By

5-21-25

5-22-25

Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5.21.25 Page 1 of 1

Sample Location: ST.1.541

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 VOA	607 2DMA						Charge Number
										XCMD
250521 0948c	3	A	x							
0950c DUP	3	|	x							
0952c FB	3	|	x							
1000c	1	|		x						
1002c DUP	1	|		x						

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5.21.25 11:03			5-22-25 /0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

5/15/25

Notebook No. 032 # 138(c) 55

PROJECT ST.1.630 WSI ENV.0053

Continued from page

Marcus Avalos & Tony Torrez present. Weather is windy & warm. This well will be purged & sampled using a dedicated bladder pump. Samples will be collected using a new teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G.3.

Initial DTW. 475.70'

Calibrations
DO. Cal in 100% saturation
Cond. : using 1413 uS/cm STD.
PH. : 4,7,10 Buffers
Turb. : 20 NTU STD.

Parameters (time)	Temp(°C)	Cond(uS/cm)	DO	ORP	PH	Turb (NTU)	DTW (ft)
1) 250515 1425C	21.79	1067.2	4.48	32.7	7.72	3.60	476.90'
2) —— 1427C	21.67	1113.7	3.39	34.3	7.75	2.20	"
3) —— 1429C	21.63	1071.4	4.29	35.4	7.74	1.98	"

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250515 1435C	VOA by 8260	HCl/Ice	(3) 40ml vials	2797	ALS
—— 1436C	: (FB)	:	:	:	:
—— 1437C	607/Bromacil	Ice	(1) 1L Amber	011990TJ	SRI
—— 1438C	Total Metals	HNO3/Ice	(2) 125ml poly	0923242AES	ALS
—— 1439C	Anions/Alk	Ice/2 rolls	:	0113252ERD	:
—— 1440C	TDS by SM2540C	Ice	(1) 250ml poly	0708242ERC	:
—— 1441C	Perchlorate 6850	Ice/1/3 HS	(1) 125ml poly	0113252ERD	:
—— 1442C	NO2/NO3 353.2	H_2SO_4/Ice	(1) 250ml poly	0930244EKH	:

Blind Controls

Sample #	Analysis	Preserve	Container	lot	lab
250515 1525C	VOA by 8260	HCl/Ice	(3) 40ml vials	~~2797~~ 25GD0462A	ALS
—— 1526C	607/Bromacil	Ice	(1) 1L Amber	25GD0463	SRI
—— 1527C	Total Metals	HNO3/Ice	(2) 125ml poly	25GD0464	

Total Gallons Purged. 2 gal

Continued from page

Read and Understood By

MA 5.15.25 B-70 Ron Wm 5-19-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5.15.25 Page 1 of 1

Sample Location: ST-1-630

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	8260	607	T. Metals	Anions/Alk	TDS	Perchlorate		Charge Number
2505151435C		3	A	X							XGMD
1436C	(FB)	3		X							
1437C		1			X						
1438C		2				X					
1439C		2					X				
1440C		1						X			
1441C		1							X		

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	NO2/NO3	8260	607	T. Metals				Charge Number
2505151442C		1	A	X							XGMD
1525C	(BC)	3			X						
1526C	(BC)	1				X					
1527C	(BC)	2					X				

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
MJC	5-15-25 @ 1530	[signature]	5-19-25 / 0811

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

A) MONTES & ROB BURROWS PRESENT. WEATHER IS COOL & BREEZY. THIS WELL WILL BE SAMPLED USING A DEDICATED BLADDER PUMP. SAMPLE WILL BE TAKEN FROM A TEFLON DISCHARGE TUBE. CARBOY G-3. PARAMETERS TAKEN FROM AN AQUA-TROLL 600.

CALIBRATIONS

DO - SAT. 100%
COND - 1413 us/cm STD
PH - 4.7.10 BUFFERS
TURB - 20 NTU STD

DTW - 463.93 FT
IDL - 2 gal.

PARAMETER	TEMP °C	COND us/cm	DO	ORP	PH	TURB NTU	DTW FT
250520 0935c	20.6	819	NA	NA	8.73	0.97	463.96
0940c	20.8	820	"	"	8.60	0.80	"
0945c	20.8	821	"	"	8.46	0.83	"

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINER	LOT #	LAB
250520 0950c	LL 8260	ICE · HCL	3-40mL VIALS	Z797	ARL
0952c	LL 8260 (MS)	"	"	"	"
0954c	LL 8260 (FB)	"	"	"	"
0956c	LL NDMA	ICE AMB.	LT AMB.	0119901J	SRL
0958c	" (MS)	ICE	"	"	"
1000c	" (MSD)	"	"	"	"
1002c	" (FB)	"	"	"	"

Continued from page N4

Read and Understood By

5-20-25

5-21-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5.20.25 Page 1 of 1

Sample Location: ST-4-589

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	Analytical Requirement: LL NDMA						Charge Number
											XGMD
250520 0950c		3	A	x							
0952c	MS	3		x							
0954c	FB	3		x							
0956c		1			x						
0958c	MS	1			x						
1000c	MSD	1			x						
1002c	FB	1			x						

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5.20.25 11:05			5-21-25 0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Robert Burrows & Craig DelFerraro present. Weather is clear, warm, and breezy. This zone will be sampled using 5 triple rinsed, stainless steel sample tubes. Gen. in use. Probe #4955. Surface checks performed on probe prior to sampling.

30 Min. Equipment blanks - Carboy G1

Sample	Analysis	Preservative	Container	Lot	Lab
250508 1250Y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 1251Y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SI

Initial Parameters
Time - 250508 1325Y
pH - 8.21
Temp - 22.8°C
Cond - 1210 us/cm
Turb - 1.38 NTU's
pHpre - 7.01/9.98 (30.1°C)
pHpost - 7.02/9.98
DTW - 491.35 ft. (top of well head)
Atmos - 12.71 psia

Final
Time - 250508 1415Y
pH - 8.18
Temp - 22.9°C
Cond - 1203 us/cm
Turb - 1.09 NTU's
pHpre - 6.98/9.96 (32.7°C)
pHpost - 6.99/9.97
DTW - 491.37 ft.
Atmos - 12.69 psia
IDW - ½ gal.

Meter ID
pH/Cond - 16
Turb - 7
u Std - 47.0 NT
u rdg - 48.0 N
u lot - A5022
u Exp - 5/31/25

Buffers	Lot	Exp
7	CC779793	6/25
10	CC783411	8/25

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250508 1350Y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 1351Y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRL

Runs	1)	2)	3)
	14.64	14.61	14.62
	37.78	37.76	37.81
	37.75	37.78	37.78
	14.69	14.68	14.67

Continued from page N/A

Read and Understood By

Craig DelFerraro 5/8/25 Signed / Date

B-74

Ben Mundt 5-9-25 Signed / Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/8/25 Page 1 of 1

Sample Location: ST-5-485

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	LLNDMA						Charge Number
250508 1250Y (EB)	3	A	✓							XGMD
1251Y (EB)	1	A		✓						"
1350Y	3	A	✓							"
1351Y	1	A		✓						"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Deltzeno	5/8/25 / 1450hrs.			5-9-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Robert Burrows & Craig Del Ferraro present. Weather is clear & cool. This zone will be sampled using 5 steam cleaned & triple rinsed, stainless steel sample tubes. Gen. in use. Probe #4955. Surface check performed on probe prior to sampling.

30 Min. Equipment blanks - Carboy GI

Sample	Analysis	Preservative	Container	Lot	Lab
250508 0830y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0831y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Initial Parameters	Final	Meter ID
Time - 2505080910y	Time - 2505080947y	pH/Cond - 16
PH - 8.46	PH - 8.40	Turb - 7
Temp - 21.9°C	Temp - 22.2°C	" Std - 47.0 NTU
Cond - 999 us/cm	Cond - 1008 us/cm	" rdg - 48.0 NTU
Turb - 2.47 NTU's	Turb - 1.88 NTU's	" lot - A5022
pH pre - 7.06/10.04 (19.6°C)	pH pre - 7.03/10.02 (21.1°C)	" Exp - 5/31/25
pH post - 7.05/10.04	pH post - 7.04/10.01	
DTW - 491.26ft. (top of well head)	DTW - 491.35ft.	Buffers Lot Exp
Atmos - 12.65 psia	Atmos - 12.68 psia	7 CC779793 6/2
	IDW - 1/2 gal.	10 CC783411 8/2

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
2505080945y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0946y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Runs	1)	2)
	88.85	88.82
	111.42	111.43
	111.39	111.42
	88.85	88.80

Continued from page N/A

Read and Understood By

Craig Del Ferraro 5/8/25 B-76 Ron Munck 5-9-25
Signed Date Signed

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/8/25 Page 1 of 1

Sample Location: ST-5-655

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	LL NDMA						Charge Number
250508 0830Y (EB)	3	A	✓							XGWD
0831Y (EB)	1	A		✓						u
0945Y	3	A	✓							u
0946Y	1	A		✓						u

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Deltenre	5/8/25 / 1100 hrs.		[signature]	5-9-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Robert Burrows & Dan Halvorsen present. Weather is clear and warm. This zone will be sampled using 5 triple rinsed stainless steel sampling tubes. Surface checks performed on Probe #4955 prior to sampling. Carboy #1 in use. Generator in use.

30 minute Equipment blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
250515 0835y	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS
—— 0836y	Total metals	Ice/HNO3	(2) 125 ml Poly	N/A	"

Initial Parameters	Final Parameters	meter ID
Time = 250515 0915y	250515 1016y	pH/Cond = 16
pH = 7.84	7.83	Turb = 7
Temp = 21.3 °C	21.3	" SpD = 47.0
Cond = 1424 us/cm	1420	" Bar = 47.5
Turb = 1.45 ntu's	1.38	" Lot = A5022
pHPre = 6.94-9.95	6.95-9.96	" Exp = 5/25
pHPost = 6.95-9.95	6.95-9.96	
Atmos = 12.43 psia	12.43	
DTW = 192.00 ft.	192.15 ft.	

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250515 0940y	VOA by 8260 NDMA IDMN	Ice/HCl	(3) 40 ml Vial	2774	ALS
—— 0941y	Bromacil by 607	Ice	(1) 1L Amber	119901	SRI
—— 1010y	Total metals	Ice/HNO3	(2) 125 ml Poly	N/A	ALS

Run 3 -	1)	2)	3)
	20.06	20.06	20.06
	24.07	24.07	24.06
	24.07	24.06	24.05
	20.05	20.05	20.04

Continued from page

Read and Understood By

5-15-2005 5-19-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5/15/2025 Page _____ of _____

Sample Location: WB-1-~~255~~ 200

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	608	607	Metals					Charge Number
										XGMD
250515 0835 y EB	3	A	4							
0940 y	3		4							
0941 y	1			4						
0836 y EB	2				4					
1010 y "	2				4					

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5-15-2025 1110			5-19-25 / 0811

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Robert Burrows & Dan Halvorsen present. Weather is clear and warm. This zone will be sampled using 5 triple rinsed stainless steel sampling tubes. Surface checks performed on Probe #4955, prior to sampling. Carboy G1 in use. Incinerator in use.

30 minute Equipment blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
250515100y	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS

Initial Parameters		Final Parameters		Meter ID	
~~pH =~~	7.72	~~250515455y~~	7.68	pH/Cond	= 16
Temp	= 21.9°C		21.9	Turb	= 7
Cond	= 1419 µs/cm		1423	" STD	= 47.0
Turb	= 0.88 NTUs		0.84	" RDG	= 47.5
pHpre	= 6.97 - 9.98		6.97 - 9.98	" Lot	= A5022
pHpost	= 6.97 - 9.97		6.97 - 9.97	" Exp	= 5/25
pmeas	= 12.48 psig		12.48		
SFW	= 192.15		192.24 lbs		
time	= 250515 1330y		250515 1435y		

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250515 1355y	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS
— 1356y	NDMA/DMN Biomacil by 607	Ice	(2) 1L Amber	119901	SRL
— 1415y	Total metals	Ice/HNO3	(2) 125 ml Poly	N/A	ALS
— 1416y	" " (Dup)	"	"	"	"

Zone 3 -	1)	2)	3)
	43.98	43.94	43.93
	53.87	53.86	53.85
	53.90	53.86	53.85
	43.95	43.94	43.93

Continued from page

Read and Understood By

5-15-2025

B-80

Dan Halvorsen

5-19-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-15-2025 Page _____ of _____

Sample Location: WB-1-255

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	VOA	607	metals					Charge Number
250515 1100 4 EB	3	A	4							
1355 4	3		4							
1356 4	1			4						
1415 4	2				4					
1416 4	2				4					

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5-15-2025 1445			5-19-25 0811

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Tony Torres & Dan Halvorsen present. Weather is clear and warm. This well will be sampled using stainless steel sampling tubes. Surface checks performed on Probe # 4955 prior to sampling. Canby G3 in use.

30 minute Equipment blanks

Sample #	Analysis	Preservative	Container	Lot	Lab
250521090[illegible]y	VOA by 8260	Ice/HCl	(3) 40 ml vial	2774	ALS

Initial Parameters		Final Parameters		Meter ID	
Time	= 250521 1048 y	250521 1344 y		pH/Cond	= 16
pH	= 7.91	7.84		Turb	= 7
Temp	= 22.4° C	22.5		" STD	= 47.0
Cond	= 1492 us/cm	1486		" ROS	= 47.2
Turb	= 1.45 ntu's	1.33		" Lot	= A5022
pH Pre	= 6.95 - 9.98	6.97 - 9.98		" Exp	= 5/25
pH Post	= 6.96 - 9.98	6.97 - 9.98			
Atmos	= ~~6.95 - 9.98~~ 12.32 psia	12.35			
DTW	= 192.24 ft.	192.31 ft			

SAMPLES

Sample #	Analysis	Preservative	Container	Lot	Lab
250521 1310 y	VOA by 8260	Ice/HCl	(3) 40 ml vial	2774	ALS
—— 1311 y	NDMA/1DMN Bromacil by 607	Ice	(2) 1L amber	119901	SBL
—— 1338 y	Total Metals	Ice/HNO3	(2) 125 ml Poly	N/A	ALS

Rods - 1) 74.46 2) 74.41 3) 74.40
85.76 85.66 85.65
85.67 85.64 85.64
74.45 74.40 74.40

Continued from page

Read and Understood By

Signed — Date 5.21.2025 — B-82 — Signed — Date 5-22-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5.21.2025 Page _____ of _____

Sample Location: WB-1-330

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 300.0	607	Metals					Charge Number
										XGMD
250521090Oy EB	3	A	X							
1310y	3		X							
1311y	1			X						
1338y	2				X					

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	5-21-2025 1400			5-22-25 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Marcus Avalos & Al Montes present. Weather is partly cloudy & warm. This zone will be purged & sampled using a Flute system. Samples will be collected using a dedicated discharge hose. This zone will be purged every 15 min & minimum of 4 gallons purged prior to sampling. Purge pressure set @ 22 psi, sample pressure set @ 19 psi, Bubbler set @ 3 psi, stable @ 6 psi. First 350 ml will be discarded. Carboy Gr. 3.

Trip Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250512073013	VOA by 8260C	HCl/Ice	(3) 40 ml vials	2797	Als
—— 073113	Low Level NOMA	Ice	(1) 1L Amber	01199015	SRI

Pre Parameters	Parameters	Meter ID
Time - 250512 1250 B	250512 1335 B	PH/Cond - H 92
PH - 7.87	7.25	Turb - #6
Temp - 24.4°C	23.4°C	÷ STD - ~~A5022~~ NA 5.02 NTU
Cond - 1091 µs/cm	1080 µs/cm	÷ RDG - 4.87 NTU
Turb - 1.31 NTU	1.07 NTU	÷ LOT - A5022
PH pre - 6.98/10.04 (33.9°C)	7.02/10.05 (34.5°F)	÷ EXP - 5/31
PH post - 7.03/10.07 (34.4°F)	7.04/10.06	
	IDW - 4 gal	

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250512 131013	VOA by 8260C	HCl/Ice	(3) 40 ml vials	2797	Als
—— 1311 13	÷ (FB)	÷	÷	÷	÷
—— 1312 13	607/Bromacil	Ice	1/1L Amber	01199015	SRI
—— 1313 B	Low Level NOMA	÷	÷	÷	÷
~~13 MS 13~~ 250512 1315B	SVOA by 8270D	÷	(2) 500 ml Amber	0902241HY	Als
~~13 MS~~ 250512 1316B	Total Metals	HNO3/Ice	1/125 ml poly	0923241AES	÷
250512 1314 13	Low Level NOMA (FB)	Ice	(1) 1L Amber	01199015	SRI

Transducer -

PSI - ~~31.24 psi~~ NA 49.82 psi

Temp - 24.39°C

Depth - 114.93'

Continued from page

Read and Understood By

MA AS 5.12.25 B-84 Date 5-12-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5·12·25 Page 1 of 1

Sample Location: WW·4·419

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	6 0 7	LL NDMA					Charge Number
250512073OB (TB)	3	A	X							XGMD
0731 B (TB)	1	|		~~NA~~	X					|
1310B	3	|	X							|
1311B (FB)	3	|	X							|
1312B	1	|		X						|
1313B	1	|			X					|
1314B (FB)	1	⊥			X					⊥

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8270	T METALS						Charge Number
250512131513	2	A	X							XGMD
1316B	2	1		X						1

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	5.12.25 @ 1420		[signature]	5-13-25 0855

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

5/12/25

Notebook No. D32 # 137(B) 39

PROJECT WW.4.589 WJI ENV.0110

Continued from page

Marcus Aurelius & Al Montes present. Weather is partly cloudy & warm. This zone will be purged & sampled using a Flute system. Samples will be collected using a dedicated discharge hose. This zone will be purged every 15 min & minimum of 4 gallons purged prior to sampling. Purge pressure set @ 22 psi, sample pressure set @ 199 psi. Bubbler set @ 3 psi, stable @ 6 psi. First 350 ml will be discarded. Carboy G.3.

Pre Parameters	Parameters
Time - 250512 1258 B	250512 1340 B
pH - 7.34	7.34
Temp - 23.2°C	23.5°C
Cond - 1019 uS/cm	1020 uS/cm
Turb - 1.19 NTU	1.07 NTU
Plt pre - 7.03/10.04 (34.6°C)	7.05/10.07 (34.9°C)
Plt post - 7.01/10.06	7.06/10.09
	IDW - 4 gal

Meter ID
pH/Cond - #92
Turb - #6
= 550 - 5.02 NTU
= ROx - 4.97 NTU
= LOT - A5022
= Exp - 5/31

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250512 1325 B	VOA by 8260 LL	HCl / Ice	(3) 40 ml vials	2797	ALS
—— 1326 B	= (FB)	=	=	=	=
—— 1327 B	607/Bromacil	Ice	(1) 1L Amber	0119401J	SBI
—— 1328 B	Low Level NOMA	=	=	=	=
—— 1329 B	= (FB)	=	=	=	=
—— 1330 B	SVOA by 8270D	=	(2) 500 ml Amber	09022411H4	ALS
—— 1331 B	Total Metals	HNO3/Ice	(2) 125 ml poly	0923242ZAE5	--

Transducer Readings
Psi - 50.23 psi
Temp. 24.71°C
Depth 115.88'

Continued from page

Read and Understood By

MA CA
Signed

5.12.25
Date

B-86

Signed

5-12-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5.12.25 Page 1 of 1

Sample Location: WW-4-589

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	310B	607/Bro	LL NOMA	8270	T. Metals			Charge Number
250512132513	3	A	X							XGMD
1326B (FB)	3		X							
1327B	1			X						
1328B	1				X					
1329B (FB)	1				X					
1330B	2					X				
1331B	2						X			

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	5.12.25 @ 1420		[signature]	5-13-25 / 0855

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

5/13/25

40

Notebook No. 032 # 137 (B)

PROJECT WW.4.848 WSI ENV.0110

Continued from page

Marcus Avalos & Tony Torrez present. Weather is warm & partly cloudy. Expecting high winds & dust through out the day. This zone will be purged & sampled using a Flute system. Samples will be collected using a dedicated discharge hose. This zone will be purged every 15 min & a minimum of 4 gallons purged prior to sampling. Purge pressure set @ 221 psi, sample pressure set @ 199 psi. Bubbler set @ 3 psi & stable @ 6 psi. First 350 ml will be discarded. Carboy G.3.

Pre Parameters	Parameters	Meter ID
Time - 250513 1040 B	250513 1045 B	PH/Cond - H.92
PH - 8.64	8.13	Turb - # 6
Temp - 23.8°C	23.1°C	= STD - 5.02 NTU
Cond - 851 µs/cm	945 µs/cm	= RDG - 4.99
Turb - 0.80	0.98	= LOT - A5022
PH pre - 7.05 / 10.03 (29.4°C)	7.02 / 10.01 (27.6°C)	= EXP - 5/31
PH post - 7.01 / 10.02	7.01 / 10.03	
	IOW.	

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250513 1200 B	VOA by 8260 LL	HCl / Ice	(3) 40 ml vials	2797	ALS
—— 1201 B	= (FB)	=	=	=	=
—— 1202 B	607 / Bromacil	Ice	(1) 1L Amber	011 99015	SRI
—— 1203 B	Low level NDMA	=	=	=	=
—— 1204 B	= (FB)	=	=	=	=
—— 1205 B	SVOA by 8270D	=	(2) 500 ml Amber	0902241147	ALS
—— 1206 B	Total Metals	HNO3 / Ice	(2) 125 ml poly	0923242AES	=

Transducer Readings
PSI - 51.60 psi
Temp - 24.63°C
Depth - 119.02'

Continued from page

Read and Understood By

Craig Ward Ferrell 5/13/25 B-88 Signed Jon W. Munds 5-14-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-13-25 Page 1 of 1

Sample Location: WW-4-840

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260C	6007	6010C	8270	9214 MEM			Charge Number
			Analytical Requirement							XGMD
250513 1200B	3	A	X							
1201B (FB)	3		X							
1202B	1			X						
1203B	1				X					
1204B (FB)	1				X					
1205B	2					X				
1206B	2						X			

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T-D	5-13-25 / 1400		[signature]	5-14-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

5/13/25

Notebook No. D32 # 137 (13) 41

PROJECT WW.4.948 WSI ENV.0110

Continued from page

Marcus Avalos & Tony Torrez present. Weather is warm & partly cloudy. Expecting high winds & dust throughout the day. This zone will be purged & sampled using a Flute system. Samples will be collected using a dedicated discharge hose. This zone will be purged every 15 min & a minimum of 4 gallons purged prior to sampling. Purge pressure set @ 221 psi, sample pressure set @ 191 psi Bubbler set @ 3 psi & stable @ 6 psi. First 350 ml will be discarded.

Pre Parameters		Parameters		Meter ID	
Time	250513 1044 13	250513 1150 13		pH/Cond	#92
pH	7.92	7.71		Turb	#C6
Temp	22.5 °C	23.7 °C		= STD	5.02 NTU
Cond	1060 us/cm	1074 us/cm		= RDG	
Turb	0.55	0.85		= LOT	A5022
pH pre	7.04/10.01 (24.4 °C)	7.01/10.02 (27.9 °C)		= EXP	5/31
pH post	7.01/10.03	7.02/10.03			
		IDW -			

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250513 1210 B	VOA by 8260 LL	HCl/Ice	(3) 40 ml vials	2797	ALS
—— 1211 B	: (FB)	:	:	:	:
—— 1212 B	607/Stomach	Ice	(1) 1L Amber	01199015	SIEI
—— 1213 B	Low Level NAMA	:	:	:	:
—— 1214 B	: (FB)	:	:	:	:
—— 1215 B	SVOA by 8270D	:	(2) 500 ml Amber	0902241HA-Y	ALS
—— 1216 B	Total Metals	HNO3/Ice	(2) 125 ml poly	0923242A ES	:

Transducer Readings
PSI - 51.03 psi
Temp - 24.58 °C
Depth - 117.70'

Continued from page

Read and Understood By

Craig DelZeeo 5/13/25 B-90 Tom Mundt 5-14-25

Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-13-25 Page 1 of 1

Sample Location: WW-4-948

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	607	LCMA	300.0	Total Metals			Charge Number
										X GMD
250513 1210B	3	A	X							
1211B	3		X							
1212B	1			X						
1213B	1				X					
1214B	1				X	X				
1215B	2					X				
1216B	2						X			

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	5-13-25/1400		5-14-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Robert Burrows & Craig Del Ferraro present. Weather is Hot & Hazy. This well will be purged & Sampled using a dedicated pump. Samples will be Collected using a new Teflon discharge Tube. water Quality parameters will be Taken using a Standard PH/Cond meter. Carboy G-2 in use.

	Buffers	Lot#	Exp
PH/Cond - 92	7	CC779729	6/25
Turb - 6	10	CC783411	8/25
" " Std. - 5.39 ntus			
" " Rdg. - 8.35			
" " Lot. - A5027			
" " Exp. - 6/30			

Parameters (Time)	PH	Temp (C)	Cond (us/cm)	Turb (ntus)	DTW (Ft)
1) 250617 0825 A	7.30	22.0	1142	1.06	222.80
2) —— 0827 A	7.32	" "	1141	0.92	" "
3) —— 0829 A	7.42	" "	1143	0.95	" "

Samples #	Analysis	Samples Preservative	Containers	Lot#	Lab
250617 0840A	VOAs by 8260	HCl/ICE	(3) 40 ml vials	2797	AL
—— 0841A	" " (FB)	" "	(3) " "	" "	" "
—— 0842A	GRO by 8015 D	" "	(3) " "	" "	" "
—— 0843A	VOAs/amines/benzenes by 8260	ICE	(4) 1L Amber	0119901J	SRL
—— 0844A	SVOAs by 8270 D	" "	(2) 500 ml Amber	090224 1HX	AL
—— 0845A	Total metals	HNO3/ICE	(2) 125 ml poly	111242AES	AL
—— 0846A	" " (Dup)	" "	(2) " "	" "	" "
—— 0847A	" " (EB)	" "	(2) " "	" "	" "
—— 0848A	DRO by 8015 D	ICE	(1) 500 ml amber	090224 1HX	" "

Total - DTW - 221.65 Ft.

Total gallons purged - 1 1/2 gallons

Continued from page N/A

Read and Understood By

Robert Burrows
Signed

6-17-25
Date

B-92

Signed

6-18-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/17/25 Page 1 of 1

Sample Location: 100-E-261

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	GRO	607	SVOA	Total Metals			Charge Number
250617 0840A	3	A	✓							XGMD
0841A (FB)	3	A	✓							"
0842A	3	A		✓						"
0843A	1	A			✓					"
0844A	2	A				✓				"
0845A	2	A					✓			"
0846A (Dupl.)	2	A					✓			"

Sample Location: 100-E-261

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Total Metals	DRO						Charge Number
250617 0847A (FB)	2	A	✓							XGMD
0848A	1	A		✓						"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Tecco	6/17/25/0930hrs.		[signature]	6-18-25 /0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Matt Garcia & Marcus Avalos present. Weather is clear & warm. Well purged/Bailer & sampled using downrigger & bailer. 3 gallons of water bailed. Took initial parameters followed by final.

Initial DTW - 150.72ft
IDW - 3gal.

Parameters	Final
Time - 2506100951	2506101010A
PH - 7.61	7.87
Temp - 21.0°C	21.0°C
Cond - 1502 us/cm	1519 us/cm
Turb - 7.9 NTU's	11.4 NTUs
PH Pre - 7.03.10.01	7.05.10.01
" Past - " "	" "

Meter I.D's
PH/Cond - 92
Turb - 6
" STD - 5.39 NTU
" RDG - 6.3 NTUs
" Lot - A5022
" EXP - 6/30

Samples

Samples	Analysis	Preserv	Cont	Lot	Lo
2506101000A	8260	ICE/HCL	(3)40ML Vials	A7197	AL
1001A	" (FB)	"	"	"	"
1002A	6007	Ice	(1)1L Amber	01199015	ST
1003A	8270	"	(2)500ML Amber	0902241HY	A
1004A	T. Metals	Ice/HNO3	(2)125ML Poly	10217HZAES	
1005A	Anions/ALK	Ice/zero H.S	(2)125ML Poly	0113252ERD	
1006A	TDS	Ice	(1)250ML Poly	0708242ADD	
1007A	Perchlorate	Ice/1/3 H.S	(1)125ML Poly	0113252ERD	
1008A	NO2NO3	Ice/H2SO4	(1)250ML Poly	0930244EKI	

Continued from page

Read and Understood By

Matt Garcia
Signed

6-10-25
Date

Pete Mundra
Signed

6-11-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/10/25 Page 1 of 1

Sample Location: 6WWA-001-GW-1

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	8260	6PC	8270	T. Metals	Anions/AK	TDS		Charge Number
250610100 0A	3	A	X							XGMD
1001A (FB)	3		X							
1002A	1			X						
1003A	2				X					
1004A	2					X				
1005A	2						X			
1006A	1							X		

Sample Location:

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	Perchlorate	NO2/NO3						Charge Number
250610 1007A	1	A	X							XGMD
1008A	1	1		X						1
~~1009 FMS~~										

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MSH	6/10/25 @ 1100			6-11-25 / 0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

6-10-25

50
PROJECT 600A-002-GW WSIENV-0013

Notebook No. D32 #13C(A)
Continued from page NA

Matt Garcia & Marcus Avalos present. Weather is clear & warm. Well purged & Bailed & sampled using a downrigger and bailer. 3 gallons of water bailed. Took initial parameters followed by final. Initial DTW -172.95-PZ
Carboy-GZ-IDW-3gal.

Parameters	Final	Meter ID
Time - 250610 1415A	250610 1430A	PH/cond - 92
PH - 7.66	7.72	Turb - 6
Temp - 22.8°C	21.7°C	" STD - 5.39 NTU's
Cond - 1201 us/cm	1207 us/cm	" RDG - 6.3 NTU's
Turb - 2.3 NTU's	2.5 NTU's	" LOT - A5022
PHpre - 7.05, 10.01	7.00, 10.01	" EXP - 6/30
" Post - " "	" 10.03	

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab.
250610 1420A	8260	Ice/HCL	(3) 40mL vials	Z797	ALS
1421A	" (FB)	"	"	"	"
1422A	607	Ice	(1) 1L Amber	0119901 J	SRI
1423A	8270	"	(2) 250mL Amber	0902241 HY	ALS
1424A	T. metals	Ice/HNO_3	(2) 125mL Poly	1021242 AES	"
1425A	Anions/ALK	Ice/zero H.S	(2) 125mL Poly	0113252 ERD	"
1426A	TDS	Ice	(1) 250mL Poly	0708242 ERG	"
1427A	Perchlorate	Ice/zero H.S	(1) 125mL Poly	1104242 ERD	"
1428A	NO^2 NO^3	Ice/H^2SO^4	(1) 250mL Poly	0930244 EKI	"

Continued from page

Read and understood By

Matt Garcia
Signed

6-10-25
Date

Tom Munck
Signed

6-11-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/10/25 Page 1 of 1

Sample Location: 600A · 002 · GW · 1

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260	607	8270	Anions/AlK + Metals	105			Charge Number
										XGMD
250610142OA	3	A	X							
1421A (FB)	3		X							
1422A	1			X						
1423A	2				X					
1424A	2					X				
1425A	2						X			
1426A	1	↓						X		

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Perchlorate	NO2/NO3						Charge Number
250610142 7A	1	A	X							XGMD
1428A	1	↓		X						1

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	6/10/25 @ 1510	[signature]	6-11-25 / 0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

6-11-25

PROJECT 300-001-GSV WJI ENV-0053

Notebook No. D32 # 136(A) 51

Continued from page NA

Matt Garcia & Marcus Avalos Present. Weather is clear & cool. This well purged & sampled using a dedicated PFAS FREE pump & tubing Water ~~qualitiy~~ quality parameters taken using a STD. PH/cond. Meter. Turbidity meter #6 in use. Carboy - 6Z IDW - 3gal.

Parameters	PH	Temp (°C)	Cond (us/cm)	Turb (NTU)	DTW (FT)
1 - 250611 0940A	7.15	23.4	1545	1.42	123.30
2 - ——— 0945A	7.25	22.0	1510	3.21	125.70
3 - ——— 0950A	7.40	22.3	1492	2.27	126.52

Meter ID
PH/cond - 9Z
Turb - 6
" STD - 5.39
" RDG - 6.2 NTU
" LOT - A50ZZ
" EXP - 6/30

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250611 1010A	8260	Ice/HCl	(3) 40ML vials	2797	ALS
——— 1011A	" (FB)	"	"	"	"
——— 1012A	607	Ice	(1) 1L Amber	011990 1J	JR
——— 1013A	8270	Ice	(2) 500mL Amber	090224 1HV	ALS
——— 1014A	T. Metals	Ice/HNO_3	(2) 125mL Poly	102124Z AES	"
——— 1015A	Anions/ALK	Ice/cool H_2	"	011325Z ERD	"
——— 1016A	TDS	Ice	(1) 250mL Poly	070724Z ERD	"
——— 1017A	Perchlorate	Ice/H_2	(1) 125mL Poly	110424Z ERD	"
——— 1018A	NO_2/NO_3	Ice/H_2SO_4	(1) 250mL Poly	093024Z EKI	"

Trip Blanks

Sample	Analysis	Preserv	Cont.	Lot	Lab
250611 0730A	8260	Ice/HCl	(3) 40mL vials	2797	ALS

Continued from page

Read and Understood By

Matt Garcia
Signed

6-11-25
Date

B-98

Signed

6-12-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/11/25 Page 1 of 1

Sample Location: 300 · 001 · GSV

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260	607	8270	T. Metals	Anions/AIK			Charge Number
250611 0730 A (TB)	3	A	X							XGMD
1010 A	3		X							
1011 A (FB)	3		X							
1012 A	1			X						
1013 A	2				X					
1014 A	2					X				
1015 A	2						X			

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	TDS	Perchlorate	NO2/NO3					Charge Number
250611 1016 A	1	A	X							XGMD
1017 A	1			X						
1018 A	1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	6/11/25 @ 1100		[signature]	6-12-25 / 0805

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Matt Garcia & Marcus Avalos Present. Weather is clear & warm. This well purged & sampled using a dedicated PFAS FREE pump & tubing. Water quality parameters taken using STD PH/condA meter. Turbidity meter #6 in use. Carboy 62. IDW - 4 gal

Parameters	PH	Temp	cond	Turb	DTW
1) 250612 0945A	7.51	25.0	1105	2.11	117.35
2) —— 0950A	7.62	21.7	1092	2.72	117.40
3) —— 0955A	7.53	24.4	1095	2.01	117.27

Meter I.D

PH/conA - 92

Turb - 6

STD - 5.39 NTUs

RDG - 6.3 NTUs

LOT - A50222

EXP - 6/30

Samples

Sample	Analysis	Preserv	Cont.	Lot	Lab
250612-1010A	8260	Ice	(3)40mL Vials	2797	ACS
—— 1011A	" (FB)	"	"	"	"
—— 1012A	6007	Ice	(1)1L Ambers	011990 IJ	SRL
—— 1013A	8270	"	(2)500mL Amber	090224 IHY	AC
—— 1014A	T. metals	"/HNO_3	(2)125mL Poly	102424 AES	"
—— 1015A	Anions/ALK	"/Zero H.S.	"	011325 ERD	"
—— 1016A	TDS	Ice	(1)250mL Poly	070824 ERG	"
—— 1017A	Perchlorate	Ice/H_3 H.S	(1)125mL Poly	110424 ERD	"
—— 1018A	NO^2 NO^3	Ice/H^2SO^4	(1)250mL Poly	093024 EKI	"

Continued from page

Read and Understood By

Matt Garcia 6-12-25 Date

Signed Date 6-16-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-12-25 Page 1 of 1

Sample Location: 300-002-GSV

Sample Number	# of Containers	Sample Matrix*	8260	6007	8270	T. Metals	Anions/ALK	TDS		Charge Number
Pertinent Notes (if any)										
250612 1010A	3	A	X							XGMD
1011A (FB)	3		X							
1012A	1			X						
1013A	2				X					
1014A	2					X				
1015A	1						X			
1016A	1							X		

Sample Location:

Sample Number	# of Containers	Sample Matrix*	Perchlorate	NO_2/NO_3						Charge Number
Pertinent Notes (if any)										
250612 1017A	1	A	X							XGMD
1018A	1	A		X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Hart	6-12-25 1100hrs		[signature]	6-16-25 / 0815

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Gallegos & Tim Moore present. These samples will be purged and sampled using a dedicated sampling port. Carboy "Pine front"

Parameters	meter ID	Buffers	LOT #	Exp
Time 2506170940	pH/cond-Pinefront 7		CC ~~810372~~ 810372	9/26
PH 8.2	Turb-Pinefront 10		CC 783411	4/26
Temp 24.9°C	STD 9.54 NTU			
cond 989 us/cm	RDG 9.53 NTU			
Turb 0.24 NTU	LOT # N/A			
PH pre 7.00-10.01 (21.9°)	EXP - 4/30/25			
PH post 7.02-10.04				

Sample #	Analysis	Samples pres	LOT #	LAB	CONT.
2506170945	VOA 624 (8260)	ICE & HCl	N/A	ALS	(3) 40mL vial
0946	" (FB)	"	"	"	"
0947	NDMA/DMN/Bio 4 (607)	ICE	"	SWRI	(2) 4oz amber
0948	2 LNDMA	"	"	"	"
0949	" (FB)	"	"	"	"

Continued from page N/A

Read and Understood By

Signed

17 June 2025 B-102
Date

Signed

6-17-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-17-25 Page 2 of 6

Sample Location: B650-EFF-1

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/1,4 Dioxane BROMACIL 607	Low Level NDMA	Total Metals	Anions / Alk	TDS SM2540C	Charge Number
250617 0945	3	A			X						XGMD
— 0946 (FB)	3	A			X						"
— 0947	1	A				X					"
— 0948	1	A					X				"
— 0949 (FB)	1	A					X				"

Sample Location:

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: Perchlorate 6850	NO_2/NO_3 353.2	SVOA-SIM 1,4 Dioxane 8270	Charge Number
							XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	6-17-25 (1010)		6-18-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Gallegos & Tim Moore present. These samples will be pulled and sampled using a dedicated sampling port. Carboy "Pinefront"

Parameters	meterID	Buffers	LOT #	Exp
Time 250617 0955	PH/cond-Pinefront 7		CC810372	9/26
PH 7.24	TURB-Pinefront 10		CC78341K	8/25
Temp 24.4°C	" STD 9.57 NTU			
cond 1032 us/cm	" ROG 9.57 NTU			
TURB 0.79 NTU	" LOT # N/A			
PH pre 6.99-10.00 (20.9°C) Exp 6/30/26				
PH post 7.02-10.04				

Sample #	Analysis	Preservative	LOT #	LAB CONT
250617/0000	VOA by 8260	ICE; HCl	N/A	ALS (5) 40mL vial
— 1001	" (FB)	"	"	"
— 1002	NDMA IDMW/Hydroxy	ICE	"	SWRI (1) Amber

Samples

Continued from page N/A

Read and Understood By

Signed — Date: 17 June 2025 — Signed — Date: 6-17-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-17-25 Page 1 of 1

Sample Location: 3650-INF-1

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	VOA 8260	LL-VOA 8260LL	NDMA/DMN/BROMACIL 607 Low Level NDMA	TOTAL METALS	ANIONS / ALK	TDS SM2540C	Charge Number
250617 0000	3	A	X						XGMD
1001 (FB)	3	A	X						"
1002	1	A			X				"

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	PERCHLORATE 6850	NO_2/NO_3 353.2	SVOA-SIM 8270 1,4 DIOXANE				Charge Number
									XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	6-17-25-1010	[signature]	6-18-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Cornejos & Tim Moore present. These samples will be purged and sampled using a dedicated sampling port. Carboy "pinefront"

Parameters	Meter ID	Buffers	Lot #	Exp
Time 2506161222	PH/cond - Pinefront 7		CC 779793	6/25
PH 8.48	Turb - Pinefront 10		CC 783411	8/26
Temp 27.4°C	PH ~~7~~ STD 9.54			
Cond 1147 uS/cm	" RDG 9.54			
Turb 0.33 NTU	Lot # N/A			
PH pre 7.00-10.00 (26.0°C)	Exp - 6/30/23			
PH post 7.02-10.02				

Samples

Sample #	Analysis	Pres	Lot #	Lab cont
2506161228	VOAs by 8260C(A)	ICE & HCl	N/A	ALS (3) 40mL vials
— 1229	" (FB)	"	"	"
— 1230	NDMA/DMN/Blob/160	ICE	"	SWRI (1) Cranber
— 1231	LC NDMA	"	"	"
— 1232	" (FB)	"	"	"

Continued from page N/A

Read and Understood By

Signed — Date 6-16-25

Signed — Date 6-16-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-16-25 Page 1 of 1

Sample Location: B655-EFF-2

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMNP/1,6 DNP BROMACIL LOW LEVEL NDMA	TOTAL METALS	ANIONS / ALK	TDS SM2540C
E506161228	3	A			X				
— 1229 (FB)	3	A			X				
— 1230	1	A				X			
— 1231	1	A					X		
— 1232 (FB)	1	A					X		

Charge Number: XGMD

Sample Location:

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: PERCHLORATE 16850	NO2/NO3 353.2	SVOA-SIM 8270 1,4 DIOXANE					

Charge Number: XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	6-16-25 (1330)	[signature]	6-17-25 / 0840

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Gallegos & Tim Moore present. These samples will be purged and sampled using a dedicated sampling port. Carboy "pinefront"

Parameters	Meter ID	Buffers	Lot #	Exp
Time 250616 1251	pH/Cond-PineFront 7		CC799793	6/25
pH 7.16	Turb-PineFront 10		CC783411	9/26
Temp 25.5°C	" STD 9.57 NTU			
Cond 1115 us/cm	" RDG 9.54 NTU			
Turb 0.57 NTU	" Lot # N/A			
Phpre 700-10.00 (26.1°C)	" Exp 6/30/25			
PhpoST - 7.02 - 10 - 04				

Sample

Samp ID #	Analysis	Pres	Lot #	Lab Cont
250616 1257	VOAby8260	ICE & HCl	N/A	ALS (3) 40mL vial
— 1258	" (Dup)	"	"	" "
— 1259	" (FB)	"	"	" "
— 1300	NDMA/DMNBby6070	ICE	"	SWRI (1) Chamber
— 1301	" (Dup)	"	"	" "

Continued from page N/A

Read and Understood By

Signed — Date: 16 June 2025 — Signed — Date: 6-16-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-16-25 Page 1 of 1

Sample Location: B655 - INF-2

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/BROMACIL 607 LOW LEVEL NDMA	TOTAL METALS	ANIONS / MW	TDS SM2540C	Charge Number
250616 1257	W	A	X						XGMD
— 1258 (Dup)	3	A	X						"
— 1259 (FB)	3	A	X						"
— 1300	1	A			X				"
— 1301 (Dup)	1	A			X				"

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 6850	NO_2/NO_3 353.2	SVOA-SIM 8270 1,4 DIOXANE					Charge Number
										XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	6-16-25 (1320)	[signature]	6-17-25 / 0840

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Matt Garcia & Dan Halvorsen present. Weather is clear and hot. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Cooler 63 in use.

Meter #0

pH/Cond = 18
TDS = 8
STD = 9.20
RDG = 9.16
LOT = A5022
EXP = 6/25

NOTE: Smoky Haze in the air from Gila fires.

Parameters (Time)	Temp	Cond	pH	Purge
250617 0930 c	24.3	1311	7.62	0.33
" 0932 c	24.2	1312	7.65	0.36
" 0934 c	24.2	1311	7.62	0.31

SAMPLES

Sample #	Analysis	Preserv	Container	Lot	Lab
250617 0940 c	VOC by 8260 LL	Ice/HCl	(3) 40 ml VOA	21971	ALS
" 0941 c	" " (FB)	"	"	"	"
" 0942 c	UDMA LL	Ice	(1) 1L Amber	119901	SRL
" 0943 c	" " (MS)	"	"	"	"
" 0944 c	" " (MSD)	"	"	"	"
" 0945 c	" " (FB)	"	"	"	"

Continued from page

Read and Understood By

6-17-2025

6-18-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-17-2025 Page _____ of _____

Sample Location: BLM-7-505

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOC	Analytical Requirement: NONA LL						Charge Number
										XGMD
250617 0940 c	3	G	X							
0941 *	3		X							
0942 c	1			X						
0943 c MS	1			X						
0944 c MSD	1			X						
0945 c FB	1			X						

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MD	6.17.2025 1100			6-18-25 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Robert Burrows is present. Weather is Hot & Hazy. This well will be purged & Sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge Tube. Water Quality parameters will be Taken using a Standard pH/Cond Meter. Checked G-Z for use.

pH/Cond	- 92
Turb	- 6
" Std	- 0.39 NTU
" RDG	- 6.00 NTU
" Lot	- A50Z2
" Exp	- 6/30

Buffer	Lot	Exp
7	CC779729	6/25
10	CC783414	8/25

Parameters (Time)	pH	Temp °C	Cond (ms/cm)	Turb (ntus)	DTW (Ft)
1) 250616 1324 A	7.86	28.2	926	1.21	232.80
2) ——— 1327 A	7.84	" "	" "	1.49	233.80
3) ——— 1330 A	7.85	" "	" "	1.87	233.80

Samples

Sample #	Analysis	Preservatives	Containers	Lot #	Lab
250616 1333A	VOA by 8260	HCl/ICE	(3) 40 ml vials	2797	ACS
——— 1334A	" " (EB)	" "	(3) " "	" "	" "
——— 1337A	NDMA/DMN/ by 607 bromide	ICE	(1) 1L Amber	61199615	SRI
——— 1344A	NO2, NO3 by 353.2	H2SO4/ICE	(1) 250 ml poly	0933344EWJ	ALS

Total DTW - 232.55 Ft

Total gallons purged - 1.5 gallons

Continued from page N/A

Read and Understood By

Robert Burrows — Signed — 6.16.25 Date

Tom Mundt — Signature — 6.17.25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-16-25 Page _____ of _____

Sample Location: BDM-27-270

Pertinent Notes (if any)

TASK Memo -14091

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	VOA by 8260	1,4-dioxane by 8270E SIM	Nitrosamines/Nitramines by 8270E SIM					Charge Number
250616 1333A	3	A	X							XGMO
1334A	3	A	X							↓
1337A	1	A		X						
1344A	1	A			X					

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Albert Burruel	6-16-25 / 3:05		[signature]	6-17-25 / 0840

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

PROJECT BLM-42-569 ENV-2005

Notebook No. D32 #138c

Continued from page

Al Mosher & Dan Halvorsen present. Weather is clear and warm. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Carboy E3 in use.

Trip Blanks

SAMPLE #	Analysis	Preserve	Container	Lot	LAB
250612 0705c	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2797	ALS

Meter ID

pH/COND = 18
TURB = 8
STD = 9.20
RDG = 9.27
LOT = A5022
EXP = 6/25

Parameters (Time)	Temp	Cond	pH	Turb
250612 0942c	24.2	798	7.36	0.32
—— 0944c	24.1	795	7.35	0.31
—— 0946c	24.1	796	7.38	0.33

Samples

SAMPLE #	Analysis	Preserve	Container	Lot	LAB
250612 0950c	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2797	ALS
—— 0951c	" " (FB)	"	"	"	"
—— 0952c	NDMA LL	Ice	(1) 1L Amber	11A501	SRL
—— 0953c	" " (FB)	"	"	"	"

Continued from page

Read and Understood By

6-12-2025

6-16-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-12-25 Page 1 of 1

Sample Location: BU1.42.565

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 08260	Analytical Requirement: LL 2DMA						Charge Number
250612070SC TB	3	A	Y							XGMD
0950C	3		Y							
0951C FB	3		Y							
0952C	1			Y						
0953C FB	1			Y						

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	6-12-2025 1015			6-16-25 / 0815

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Al montes & Don Halvorsen present. Weather is clear and hot. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Carboy G3 in use.

meter ID
PH/COND = 18
TURB = 8
STD = 9.20
RDG = 9.23
LOT = A5022
EXP = 4/25

Parameters (Time)	Temp	Cond	pH	Turb
2506)2/4/15c	25.4	775	7.86	2.37
——1411)c	25.4	776	7.79	2.09
——1419c	25.3	775	7.81	2.26

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	LAB
2506R1425c	VOA's 8260 LL	Ice/HCl	(3) 40 ml VOA	2795	ALS
——1426c	" " (FB)	"	"	"	"
——1427c	VOA's LL	Ice	(1) 1L Amber	1145801	SRL
——1428c	" " (FB)	"	"	"	"

Continued from page

Read and Understood By

6-12-2025 B-116 6-16-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6·12·25 Page 1 of 1

Sample Location: BLM·42.709			Analytical Requirement							
Pertinent Notes (if any)	# of Containers	Sample Matrix*	LL 8260	LC NDMA						XGMD
Sample Number										Charge Number
250612 1425 c	3	A	X							
1426 c (FB)	3	A	X							
1427 c	1	A		X						
1428 c (FB)	1	A		X						

Sample Location:			Analytical Requirement							
Pertinent Notes (if any)	# of Containers	Sample Matrix*								
Sample Number										Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	6·12·25 3:01 pm			6-16-25 / 0815

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Tim Kondy & Craig Del Ferraro present. Weather is cloudy & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. This well has been purged significantly over the past several days with the intent to lower the turbidity prior to sample collection. Carboy C3 in use.

Meter ID	Buffers	Lot	Exp
PH/Cond - 16	7	CC810372	9/26
Turb - 7	10	CC806765	7/26

" Std - 50.0 NTU's
" rdg - 50.8 NTU's
" lot - A5022
" Exp - 6/30/25

Parameters (time)	temp (°C)	cond (us/cm)	PH	Turb (NTU's)	DTW (Ft.)
1) 250604 1300C	23.9	1533	8.29	11.6	197.12
2) —— 1303C	24.1	1529	8.26	12.3	197.13
3) —— 1306C	24.8	1527	8.25	10.8	197.13

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250604 1310C	VOA by 8260	ice/HCL	(3) 40ml vials	2797	ALS
—— 1311C	" (FB)	"	"	"	"
—— 1312C	607/Bromacil	ice	(1) 1L Amber	011990IS	SRI
—— 1313C	SVOA by 8270D	"	(2) 500ml amb.	090224-1HY	ALS
—— 1314C	Total Metals	ice/HNO_3	(2) 125ml polys	092324-2AES	"
—— 1315C	" (Dupl.)	"	"	"	"
—— 1316C	Anions/Alk.	ice	"	011325-2ERD	"
—— 1317C	TDS by SM2540C	"	(1) 250ml poly	070824-2ADD	"
—— 1318C	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	"
—— 1319C	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	093024-4EKI	"

Initial DTW: 197.08ft. Total gallons purged: 8

Continued from page N/A

Read and Understood By

Craig Del Ferraro 6/4/25 B-118 Ron Nunnelee 6-5-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/4/25 Page 1 of 1

Sample Location: BW-4-330

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	SVOA	Total Metals	Anions/Alk.			Charge Number
250604 1310C		3	A	✓							XGMD
1311C (FB)		3	A	✓							"
1312C		1	A		✓						"
1313C		2	A			✓					"
1314C		2	A				✓				"
1315C (Dupl.)		2	A				✓				"
1316C		2	A					✓			"

Sample Location: BW-4-330

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: TDS	Perchlorate	NO3/NO3					Charge Number
250604 1317C		1	A	✓							XGMD
1318C		1	A		✓						"
1319C		1	A			✓					"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Terme	6/4/25/1410hrs.		[signature]	6-5-25 /0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Marcus Avalos & Robert Burrows present. Weather is clear & hot. This well will be purged & sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Water quality parameters will be taken using a standard PH/Cond meter. Carboy C4-2.

PH/Cond Meter - 92	Buffers	lot	Exp
Turb - 6	7	CC779729	6/25
= STD - 5.39 NTU	10	CC783411	8/25
= BOA - 6.00 NTU			
= LOT - A5022			
= EXP - 6/30			

Parameters (time)	PH	Temp (°C)	Cond (µs/cm)	Turb (NTU)	DTW (ft)
1) 250616 0940A	7.54	23.7	1125	2.91	192.80'
2) —— 0942A	7.69	24.1	1150	2.44	=
3) —— 0944A	7.65	23.8	1140	2.02	=

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250616 0950A	VOA by 8260	HCl/Ice	(3) 40ml vials	2797	ALS
—— 0951A	= (Dup)	=	=	=	=
—— 0952A	= (FB)	=	=	=	=
—— 0953A	607/Bromacil	Ice	(1) 1L Amber	01199015	SRL
—— 0954A	Total Metals	HNO3/Ice	(2) 125ml/poly	102242AES	ALS
—— 0955A	Anions/Alk	Ice/Zero HS	=	011325ZERO	=
—— 0956A	TDS SM2540C	Ice	(1) 250ml poly	0708242ERG	=
—— 0957A	Perchlorate 6850	Ice/1/3 HS	(1) 125ml poly	1104242ERO	=
—— 0958A	NO2/NO3 353.2	H2SO4/Ice	(1) 250ml poly	0908244EKI	=

Initial DTW - 192.75'

Total Gallons Purged - 3 gal

Continued from page

Read and Understood By

Signed — Date 6/16/25

Signed — Date 6-17-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/16/25 Page 1 of 1

Sample Location: BW-7 · 211

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260	667 / BTEX	T. Metals	Anions / Alk	TDS			Charge Number
250616 0950 A		3	A	X							XGMD
0951 A		3		X							
0952 A (FB)		3		X							
0953 A		1			X						
0954 A		2				X					
0955 A		2					X				
0956 A		1	↓					X			↓

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: Perchlorate	NO2 / NO3						Charge Number
250616 0957 A		1	A	X							XGMD
0958 A		1	↓		X						↓

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MA W	6/16/25 @ 1100		[signature]	6-17-25 / 0840

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Matt Garcia & Dan Halvorsen present. Weather is clear and hot. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Carboy G3 in use.

Meter ID
pH/Cond = 10
Turb = 8
STD = 9.20
ROS = 9.16
LOT = A5022
Exp = 4/25

NOTE: Smokey Haze From Gila Fires.

Parameters (T: mst)	Temp	Cond	pH	Turb
250617 0820 C	24.2	1258	8.05	0.38
0822 C	24.2	1261	8.02	0.41
0824 C	24.2	1260	8.01	0.36

SAMPLES

# SAMPLE	Analysis	Preserve	Container	LOT	LAB
250617 0830 C	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2797	DLS
0831 C	" " (Dup)	"	"	"	"
0832 C	" " (FB)	"	"	"	"
0833 C	VOMA/DMN Bromacil by 607	Ice	(1) 1L Amber	119901	SRL
0834 C	VOMA/LL	"	"	"	"
0835 C	" " (FB)	"	"	"	"
0836 C	Total Metals	Ice/HNO3	(2) 125 ml Poly	0023234	DLS

BLIND Controls

# SAMPLE	Analysis	Preserve	Container	LOT	LAB
250617 0830 E	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2560484 A	DLS
1031 C	VOMA/DMN Bromacil by 607	Ice	(1) 1L Amber	" B	SRL
1032 C	Total Metals	Ice/HNO3	(2) 125 ml Poly	" C	DLS

Continued from page

Read and Understood By

6-17-2025

6-18-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-17-2025 Page _____ of _____

Sample Location: PL-2-504

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
			VOA	L07	VOA 4					XGMD
250617 0830 C	3	A	Y							
0831 C Dup	3		Y							
0832 C FB	3		Y							
1030 C BC	3		Y							
0833 C	1			Y						
0834 C	1				Y					
0835 C FB	1				Y					

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
			~~VOA~~	Metals	L07					
~~BC~~	~~1~~	~~A~~	~~Y~~							
250617 0836 C	2			Y						
1032 C BC	2			Y						
1031 C BC	1				Y					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	6.17.2025 1100			6-18-25 /0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Marcus Avalos & Al Montes present. Weather is cloudy & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Water quality parameters will be monitored using a standard PH/Cond meter. Turbidity Meter # 8 in use. Carboy G.1.

PH/Cond Meter - 18
Turb Meter - 8
= STD - 9.20 NTU
= RDG - 9.22 NTU
= LOT - A5022
= EXP - 6/30/25

Buffers	lot	EXP
7	CC779729	6/25
10	CC783411	8/25

Parameters (time)	Temp (°C)	Cond (us/cm)	PH	Turb (NTU's)	DTW (ft)
1) 250602 1400 A	23.5	1343	7.74	0.98	455.60
2) ——— 1402 A	23.7	1342	7.73	1.02	=
3) ——— 1404 A	23.6	1347	7.72	1.05	=

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250602 1410 A	VOA by 8260	HCl/Ice	(3) 40ml vials	2797	ALS
——— 1411 A	= (FB)	=	=	=	=
——— 1412 A	Low Level/NDMA	Ice	(1) 1L Amber	0119901J	SRL
——— 1413 A	= (Dup)	=	=	=	=
——— 1414 A	= (FB)	=	=	=	=

Initial DTW - 455.15'

Total gallons purged - 1.5 gal

Continued from page

Read and Understood By

Signed

6/2/25
Date

Signed

6-3-26
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6.2.25 Page ' of '

Sample Location: PL.4.464

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	Analytical Requirement: LL 2M4A	Charge Number
250602 1410A	3	A	x		XGMD
1411A (FB)	3		x		
1412A	1			x	
1413A (Dup)	1			x	
1414A (FB)	1			x	

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	6.2.25 3:07		6-3-25 /0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

All monies + Dan Halvorsen present. Weather is Clear and warm. This one will be sampled using 5 triple rinsed stainless steel sampling tubes, surface checks performed on Probe #1539 prior to sampling. Generator in use.

Trip Blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
2506090715y	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2797	ALS
—— 0716y	NDMA LL	Ice	(1) 1L Amber	119901	SRT

30 minute Equipment Blanks Can Day 62

Sample #	Analysis	Preserve	Container	Lot	Lab
2506090830y	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2797	ALS
—— 0831y	NDMA LL	Ice	(1) 1L Amber	119901	SRT

Initial Parameters		Final Parameters		Meter ID	
Time	= 2506090930y	2506091305y		pH/Cond	= 20
pH	= 8.27	8.33		Turb	= 17
Temp	= 23.2°C	23.3		DO	= 9.72
Cond	= 1287 µs/cm	1281		ORP	= 9.75
Turb	= 0.51 ntus	0.62		Lot	= A5022
pHPre	= 6.99-10.02 (23.6°C)	7.01-10.02		Exp	= 6/25
pHPost	= 7.01-10.01	7.02-10.02			
PMOD	= 12.45 psia	12.45			
TW	= 458.60	458.71			

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
2506091005y	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2797	ALS
—— 1006y	NDMA LL	Ice	(1) 1L Amber	119901	SRT
—— 1300y	SVOC-SIM	"	(1) 250 ml Amber	102824	ALS

PMOD	1)	2)	3)	4)
	14.83	14.82	14.82	14.80
	20.42	20.42	20.41	20.41
	20.41	20.42	20.41	20.41
	14.82	14.81	14.81	14.80

Continued from page

Read and Understood By

6.9.2025 B-126 [signature] 6-10-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6.9.2025 Page _____ of _____

Sample Location: PL-8-455

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA	NDMA4	8260-SIM					Charge Number
										XGMD
250609 0715 y TB	3	A	y							
0830 y EB	3		y							
1005 y ~~TB~~	3		y							
0716 y TB	1			y						
0831 y EB	1			y						
1006 y	1			y						
1300 y	1				y					

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	6.9.2025 1515		[signature]	6-10-25 /0815

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & warm. This zone will be sampled using 5 steam cleaned & triple rinsed, stainless steel sample tubes. Gen. in use. Probe #1539.

30 Min Equipment blanks - Carboy G1

Sample	Analysis	Preservative	Container	Lot	Lab
250606 0835y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 0836y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Initial Parameters
Time - 250606 0915y
PH - 8.22
Temp - 23.4°c
Cond - 1342 us/cm
Turb - 0.66 NTU's
pH pre - 7.03/10.01 (24.0°c)
pH post - 7.04/10.01
DTW - 458.40 Ft.
Atmos - 12.50 psia

Final
Time - 250606 1000y
PH - 8.28
Temp - 24.1°c
Cond - 1335 us/cm
Turb - 0.60 NTU's
pH pre - 6.98/10.01 (29.7°c)
pH post - 7.00/10.00
DTW - 458.48 ft.
Atmos - 12.48 psia
IDW - ½ gal.

Meter ID
pH/cond - 17
Turb - 20
" std - 9.72 NTU's
" rdg - 9.67 NTU's
" lot - A5022
" Exp - 6/30/25

Buffers	Lot	Exp
7	CC810372	9/2
10	CC806765	7/2

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250606 0940y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 0941y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI
——— 1005y	1,4 Dioxane by 8270D	"	(1) 250ml amb.	102824-1GT	ALS

Runs

1)	2)	3)
80.63	80.59	80.52
85.30	85.32	85.34
85.31	85.32	85.29
80.60	80.57	80.53

Continued from page N/A

Read and Understood By

Craig Del Ferro 6/6/25

Tom Unmack 6-6-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/6/25 Page 1 of 1

Sample Location: PL-8-605

Analytical Requirement: 8260 LL | LLNDMA | Dioxane

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260 LL	LLNDMA	Dioxane					Charge Number
250606 0835Y (EB)	3	A	✓							XGMD
0836Y (EB)	1	A		✓						"
0940Y	3	A	✓							"
0941Y	1	A		✓						"
1005Y	1	A			✓					"

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Fierro	6/6/25 / 1250hrs.		[signature]	6-9-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Al Montes & Dan Halvorsen present. Weather is clear and hot. This zone will be sampled using 5 triple rinsed stainless steel sampling tubes. Surface checks performed on Probe #1539 prior to sampling. Generator in use.

30 minute Equipment blanks - Carboy G2

Sample #	Analysis	Preserve	Container	Lot	LAB
250609 1345 y	VOA y 8260 LL	Ice/HCl	(3) 40 ml Vial	2797	ALS
1346 y	NDMA LL	Ice	(1) 1L Amber	119901	SRL

Initial Parameters		Final Parameters		Meter ID	
Time	= 250609 1425 y	250609 1458 y		pH/COND	= 20
pH	= 8.41	8.35		TURB	= 17
COND	= 1086 µs/cm	1079		STD	= 9.72
TURB	= 0.63 Units	0.60		DO	= 9.75
TEMP	= 27.9°C	27.8		LOT	= A5022
pH Pre	= 7.04 - 10.03	7.03 - 10.02		EXP	= 6/25
pH Post	= 7.03 - 10.03	7.03 - 10.02			
BTmos	= 12.45 psia	12.45			
DTW	= 458.71	458.84			

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	LAB
250609 1450 y	VOA y 8260 LL	Ice/HCl	(3) 40 ml Vial	2797	ALS
1451 y	NDMA LL	Ice	(1) 1L Amber	119901	SRL

Rinse: 1)		2)	
	156.41		156.41
	160.63		160.62
	160.63		160.62
	156.40		156.40

Continued from page

Read and Understood By

6.9.2025 B-130 6-10-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6.9.2025 Page _____ of _____

Sample Location: PL-8-780

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	VOC	VDMA4						Charge Number
										XGMD
250609134Sy EB	3	A	4							
1450y	3		4							
1346y EB	1			4						
1451y	1			4						

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	6.9.2025 1515			6-10-25 0815

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & hot. This zone will be sampled using 5 triple rinsed, stainless steel sample tubes. Gen. in use. Probe # 1539.

30 Min. Equipment blanks - Carboy GI

Sample	Analysis	Preservative	Container	Lot	Lab
250606 1040y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 1041y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SPL

Initial Parameters	Final	Meter ID
Time - 250606 1150y	Time - 250606 1222y	pH/cond - 17
PH - 8.67	PH - 8.71	Turb - 20
Temp - 25.5°c	Temp - 25.7°c	" std - 9.72 NTU
Cond - 948 us/cm	Cond - 956 us/cm	" rdg - 9.67 NTU
Turb - 0.63 NTU's	Turb - 0.64 NTU's	" lot - A5022
pHpre - 6.96/9.97 (31.5°c)	pHpre - 6.93/9.96 (33.7°c)	" Exp - 6/30/25
pHpost - 6.94/9.98	pHpost - 6.93/9.97	
DTW - 458.48ft.	DTW - 458.60ft.	Buffers Lot Exp
Atmos - 12.52 psia	Atmos - 12.52 psia	7 CC810372 9/2
	IDW - ½ gal.	10 CC806765 7/2

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250606 1220y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 1221y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SPL

Runs	1)	2)
	237.26	237.16
	241.60	241.60
	241.59	241.62
	237.26	237.14

Continued from page N/A

Read and Understood By

Craig Del Ferraro 6/6/25 B-132 Tom Mundt 6-6-25
Signed Date Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/6/25 Page 1 of 1

Sample Location: PL-8-965

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LLNDMA	Charge Number
250606 1040Y (EB)	3	A	✓		XGWTD
1041Y (EB)	1	A		✓	u
1220Y	3	A	✓		u
1221Y	1	A		✓	u

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig DeYoung	6/6/25 / 1250 hrs.			6-9-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

MATT GARCIA & TONY TORREZ PRESENT. THE WEATHER IS PARTLY CLOUDY & WARM. THIS WELL WILL BE PURGED WITH THE FLUTE SYSTEM. 4 GALLONS PURGED PRIOR TO SAMPLING. PURGE PRESSURE 227 psi, SAMPLE PRESSURE 205 psi BUBBLER SET @ 3 psi & STABLE @ 5.5 psi. FIRST 350 mls WILL BE DISCARDED PRIOR TO SAMPLING VIALS. CARBOY 6-3

	PRE PARAM's	INITIAL PARAM's	METER I.D.'s
	250602 1315	1335	pH/COND 92
pH	8.71	8.73	TURB 6
TEMP	22.6	22.8	" STD 5.35
COND	1083	1080	" RDG 5.41
TURB	1.70	1.59	" LOT # A5022
pH PRE	7.01/10.00 (28.0)	7.00/10.00 (29.8°C)	" EXP 6/30/25
pH POST	7.01/10.00	7.01/10.01	

TRIP BLANKS

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250602 1000B	8260 (L	ICE/HCl	(3) VOA VIALS	ALS
—— 1001B	CLNOMA	ICE	(1) LT AMBER	SVL

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250602 1345B	8260 (L	ICE/HCl	(3) VOA VIALS	ALS
—— 1346B	" (FB)	"	"	"
—— 1347B	CLNOMA	ICE	(1) LT AMBER	SVL
—— 1348B	" (FB)	"	"	"
—— 1349B	SVOA SIMS	"	(1) 250ml AMBER	

BLIND CONTROLS

SAMPLE #	ANALYSIS	PRESERV	BC NUMBER	LAB
250602 1410B	CLNOMA	ICE	25GBS7A	SVL

Continued from page

Read and Understood By

J. [signature] 6-2-25 B-134 [signature] 6-3-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-2-25 Page 1 of 1

Sample Location: PL-11-470

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
				8260-1000	8270E	SVOAs-SS					X6MD
250602 1000B	TB			X							
1001B	TB				X						
1345B				X							
1346B	FB			X							
1347B					X						
1348B	FB				X						
1349B						X					

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
				8270E							XGMD
1410B	BC										

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	6-2-25/1430		[signature]	6-3-25 /0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

MATT GARCIA & TONY TARLER PRESENT. THE WEATHER IS CLEAR & WARM. THIS ZONE WILL BE SAMPLED USING A FLUTE SYSTEM. 3/4 GALLONS MIN WILL BE PURGED. SAMPLE PRESSURE 20 PSI & PURGE PRESSURE 22 PSI. BUBBLE SET @ 3 PSI & STABLE @ 5.5 PSI. CARBOY 6.1 THE FIRST 3 LOML'S WILL BE USED FOR PARAMETERS PRIOR TO SAMPLING.

PARAM'S PRE		PARAMS	METER IDS
		250603 1210B	pH/COND # 92
pH	7.80	7.78	Turb # 6
TEMP	23.5 C	23.9	STD = 5.39
COND	1138	1129	Rdg = 5.41
TURB	~~TEMP 23.5 C~~ 1.96	1.90	LOT# = A30222
pH PRE	7.00/10.03 (78.1)	7.01/10.01 (29.3)	EXP = 6/33/20
pH POST	7.00/7.01	7.01/10.00	

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250603 1211B	8260 LL	ICE/HCl	(3) 40 ml VIALS	ALS
1212B	" (FB)	"	"	"
1213B	CLNOM4	ICE	(1) CT Amber	SNJ
1214B	" (FB)	"	"	"
1215B	" (Dup)	"	"	"
1216B	SVOA SIMS	"	1	ALS

Continued from page

Read and Understood By

6-3-25 Date

B-136

6-4-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-3-25 Page 1 of 1

Sample Location: PC-11-530

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 (C)	(C)NMA	SUOAS-MS					Charge Number
										XGMD
250603 1211B	3	A	X							
— 1212B FB	3	|	X							
— 1213B	1	|		X						
— 1214B FB	1	|		X						
— 1215B Dup	1	|		X	~~X~~					
— 1216B	1	|			X					

Sample Location: PC-11-710

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 (C)	(C)NMA	SUOAS-MS					Charge Number
										XGMD
250603 1226B			X							
— 1227B FB			X							
— 1228B				X						
— 1229B FB				X						
— 1230					X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	~~6~~ 6-3-25/1300		[signature]	6-4-25 /0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

MATT BANCIA & TONY TORRES PRESENT. THE WEATHER IS CLEAR & WARM. THIS WELL WILL BE SAMPLED & PURGED USING A FLUTE SYSTEM. PURGE PRESS. 22 PSI & SAMPLE PRESSURE 20 PSI. BLADDER SET @ 5 PSI & STABLE @ 5 PSI. 4 GALLONS PURGED PRIOR TO SAMPLING. CARBOY 6-1. THE FIRST 350 mls WILL BE DISCARDED PRIOR TO SAMPLING.

	PARAM's PRE	PARAM's	METER ID's
		250603 / 1225B	pH/Cond # 87
pH	7.64	7.68	Turb # 6
Temp	24.1°C	24.3	11 Std 5.59
Cond	1135	1148	11 Rdg 5.41
Turb	1.80	1.68	Lot # A5022
phpre	7.01/10.00 (29.8°)	7.00/10.00 (29.7)	11 Exp 6/30/2
phpost	7.01/10.01	7.00/10.01	

SAMPLES

SAMPLE #		ANALYSIS	PRESERV	CONT	LAB
250603	1226B	8260 CL	HCL/HI	(3) 40 mL VIALS	ALS
——	1227B	" (FB)	"	"	"
——	1228B	CL NDMA	14E	(1) LT AMBER	SRL
——	1229B	" (FB)	"	"	"
——	1230B	SUOA SIMS	"	"	"

Continued from page

Read and Understood By

T-D — 6-3-20 — B-138 — Date

Signed — 6-4-24 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-3-25 Page 1 of 1

Sample Location: PC-11-530

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	8260C	LCMS4	SUOAS-MS					Charge Number
										XGMD
250603 1211B	3	A	X							
1212B FB	3		X							
1213B	1			X						
1214B FB	1			X						
1215B Dup	1			X	X					
1216B	1				X					

Sample Location: PC-11-710

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	8260C	LCMS4	SUOAS-MS					Charge Number
										XGMD
250603 1226B			X							
1227B FB			X							
1228B				X						
1229B FB				X						
1230					X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	6-3-25/1300		[signature]	6-4-25 /0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

MATT GARCIA + TONY TORCER PRESENT. THE WEATHER CLEAR & WARM. THIS ZONE WILL BE PURGED & SAMPLED USING A FLUTE SYSTEM. PURGE PRESSURE SET @ 22 psi & SAMPLE PRESSURE SET @ 20 psi. BUBBLER SET @ 3 psi & STABLE @ 5.5 psi. 4 gallons purged PRIOR TO sampling. Carboy G-1 THE FIRST 350 mls WILL BE USED FOR params on SAMPLING CYCLE.

INITIAL PARAMS		SAMPLE PARAM's 250604 1205 B	METER ID's
pH	7.94	7.90	pH/cond 92
Temp	24.4°C	24.5	Turb C6
Cond	1017	1015	" STD 5.5
Turb	0.78 NTUs	0.90	" Nd$_3$ 5.3C
phpRE	7.02 / 10.01 (28.3)	7.01 / 10.00 (29.1)	" LOT# A50
phpost	7.01 / 10.00	7.00 / 10.0C	" Exp. 6/

TRIP BLANKS

SAMPLE#	ANALYSIS	PRESERV	CONT	LAB
250604 0730B	8260 CL	ICE/HCl	(3) 40 mL VIALS	ALS
" 0731B	UNKNOWN	ICE	(1) LT AMBER	SRL

SAMPLES

SAMPLE#	ANALYSIS	PRESERV	CONT	LAB
250604 1210B	8260	ICE/HCl	(3) 40 mL VIALS	ALS
" 1211B	"	"	"	"
" 1212B	UNKNOWN	ICE	(1) LT AMBER	SRL
" 1213B	"	"	"	

Continued from page

Read and Understood By

6-4-25 Date

6-4-25 B-140 Date

6-5-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-4-25 Page 1 of 1

Sample Location: PL-11-820

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260C	Analytical Requirement: LCNDMA						Charge Number
										XGMD
250604 0730B (TB)	3	A	X							
0731B (TB)	1			X						
1210B	3		X							
1211B (FB)	3		X							
1212B	1			X						
1213B (FB)	1			X						

Sample Location: PL-11-980

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260C	Analytical Requirement: LCNDMA						Charge Number
										XGMD
250604 1230B	3		X							
1231B	3		X							
1232B	1			X						
1233B	1			X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T. Dg	6.4.25/1330			6-5-25 /0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

MATT GARCIA & TONY TORREZ PRESENT. THE WEATHER IS CLEAR & WARM. THIS ZONE WILL BE PURGED & SAMPLED WITH A FLUTE SYSTEM. PURGE PRESSURE 22? SAMPLE PRESSURE 20 PSI. BUBBLER SET @ 30 PSI & STABLE @ 5.5 PSI. ¼ ALLOWS PURG CARBOY 6-L. THE FIRST 350 ml's OF SAMPLES WILL BE DISCARDED

	INITIAL PARAMS	SAMPLE PARAMS	METER ID's
		250604 1225 TB	pH/cond # 92
pH	8.55	8.57	Turb # C6
Temp	22.9°C	23.1°C	" STD = 5.39
Cond	9666	958	" Mg = 5.30
Turb	0.89	1.25	" LOT # = A5022
phpre5	7.00/10.00 (29.1)	7.00/10.02 (29.4)	" EXP = 6/30/25
phpost	7.00/10.01	7.00/10.00	

SAMPLES

SAMPLE#	ANALYSIS	PRESERV	CONT	LAB
250604 1230B	8260 LL	ICE/HCl	(3) 40 mL VIALS	ALS
1231B	"	"	"	"
1232B	LL NDMA	ICE	(1) LT AMBER	SKL
1233B	"	"	"	"

Continued from page

Read and Understood By

T. [signature] 6-9-25 B-142 [signature] 6-9-25
Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-4-25 Page 1 of 1

Sample Location: PL-11-820

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260C	LCMA4						Charge Number
										XGMD
250604 0730B (TB)	3	A	X							
0731B (TB)	1			X						
1210B	3		X							
1211B (FB)	3		X							
1212B	1			X						
1213B (FB)	1			X						

Sample Location: PL-11-980

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260C	LCMA4						Charge Number
										XGMD
250604 1230B	3		X							
1231B	3		X							
1232B	1			X						
1233B	1			X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T.D	6.4.25/1330			6-5-25 /0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Al Montes & Craig Del Ferraro present. Weather is cloudy & cool. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Water quality parameters will be monitored using a standard pH/cond meter. Turbidity meter #8 in use. Carboy GI.

PH/Cond meter - 18
Turb meter - 8
" std - 9.20 NTU's
" rdg - 9.22 NTU's
" lot - A5022
" Exp - 6/30/25

Buffers	Lot	Exp
7	CC779729	6/25
10	CC783411	8/25

Parameters (time)	temp (°C)	cond (us/cm)	PH	Turb (NTU's)	DTW (ft
1) 250602 1020A	24.1	1357	8.12	3.79	478.58
2) ——— 1023A	24.4	1361	8.16	3.33	478.58
3) ——— 1026A	24.3	1362	8.18	2.90	478.60

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250602 1030A	VOA by 8260	ice/HCL	(3) 40ml vials	2797	ALS
——— 1031A	" (FB)	"	"	"	"
——— 1032A	607/Bromacil	ice	(1) 1L Amber	011990 IJ	SE
——— 1033A	Total Metals	ice/HNO3	(2) 125ml polys	N/A	AL
——— 1034A	Anions/Alk.	ice	"	011325-2ERD	"
——— 1035A	TDS by SM2540C	"	(1) 250ml poly	070824-2ADD	"
——— 1036A	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	"
——— 1037A	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	083024-4EHI	"

Initial DTW: 478.43 ft.

Total gallons purged: 1.5

Continued from page N/A

Read and Understood By

Craig Del Ferraro 6/2/25 Date
B-144
Jon Munda 6-3-25 Date
Signed

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6.2.25 Page 1 of 1

Sample Location: ST.1.473

Sample Number	# of Containers	Sample Matrix*	8260	607	Total Metals	22.02.A,C,S	TDS	PERCH.		Charge Number
250602 1030A	3	A	x							XGMD
1031A (FB)	3		x							"
1032A	1			x						"
1033A	2				x					"
1034A	2					x				"
1035A	1						x			"
1036A	1							x		"

Sample Location: ST-1-473

Sample Number	# of Containers	Sample Matrix*	300.0 NO2							Charge Number
1037A	1	A								XGMD

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	6.2.25			6-3-25 / 0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

) Montes & Dan Halvorsen present. Weather is Clear and Warm. This well) will be purged and sampled using a dedicated bladder pump. Samples will e collected using a new Teflon discharge hose. Cardy G3 in use.

ster ID
)H/COND = 18
rSB = 8
STD = 9.20
RDG = 9.24
LOT = A5022
EXP = 6/25

Samples (Time)	Temp	Cond	pH	Turb
250610 0905 C	21.4°C	1160	7.58	2.05
—— 0907 C	21.3	1157	7.53	2.01
—— 0909 C	21.3	1161	7.55	2.02

SAMPLES

# Note	Analysis	Preserve	Containers	LOT	LAB
250610 0915 C	VOCs by 8260	Ice/HCl	(3) 40 ml Vials	2797	ALS
—— 0916 C	" " " (FB)	"	"	"	"
—— 0917 C	NDMA/1,4-Dioxane Bromide by 607	Ice	(1) 1L Amber	119901	SRL
—— 0918 C	Total metals	Ice/HNO_3	(2) 125 ml Poly	002324	ALS
—— 0919 C	Anions/Alk	Ice	(2) "	CIA	"
—— 0920 C	TDS	"	(1) 250 "	"	"
—— 0921 C	Perchlorate	"	(1) 125 "	"	"
—— 0922 C	NO_2/NO_3	Ice/H_2SO_4	(1) 250 "	"	"

Continued from page

Read and Understood By

6-10-2025

6-11-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-10-2025 Page _____ of _____

Sample Location: ST-3-486

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	U02	L07	metals	anions/ALK	TDS	Perchlorate		Charge Number
										XGMD
250610 0915 c	3	A	X							
0916 c FB	3		X							
0917 c	1			X						
0918 c	2				X					
0919 c	2					X				
0920 c	1						X			
0921 c	1							X		

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	U02/U03							Charge Number
										XGMD
250610 0922 c	1	A	X							

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	6-10-2025 1000			6-11-25 0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Al Montes & Dan Halvorsen present. Weather is partly cloudy and hot. This well will be purged and sampled using a dedicated ~~discharge hose~~ bladder pump. Samples will be collected using a new Teflon discharge hose. Carney 63 in 45e.

Meter ID

PH/Cond = 18
Turb = 8
DO = 9.20
ORP = 8.25
Lot = A8022
Exp = 6/25

Parameters (T.me)	Temp	Cond	PH	Turb
250610/1418c	23.2°C	1268	7.49	1.76
——— 1420c	23.6	1270	7.42	1.73
——— 1422c	23.7	1266	7.47	1.70

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	LAB
250610/1425c	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2376	AKS
——— 1426c	" " (Dup)	"	"	"	"
——— 1427c	" " (FB)	"	"	"	"
——— 1428c	NOMA/DMN Biomarc. by 607	Ice	(1) 1L Amber	11990	SRL
——— 1429c	Total Metals	Ice/HNO3	(2) 125 ml Poly	L/A	AKS

Continued from page

Read and Understood By

6-10-2025 6-11-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-10-2025 Page _____ of _____

Sample Location: ST-3-586

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	300	907	Metals					Charge Number
										X6MD
250610 1425C	3	A	X							
1426C DUP	3		X							
1427C FB	3		X							
1428C	1			X						
1429C	2				X					

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	6.10.2025 1510			

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

PROJECT ST-3-666 WJI ENV-0053

Notebook No. D32#138(c)

Continued from page N/A

Al Montes & Craig Del Ferraro present. Weather is clear & warm. this well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Carboy G3 in use.

Meter ID	Buffers	Lot	Exp
pH/cond - 18	7	CC810372	9/26
Turb - 8	10	CC806765	7/26

" Std - 9.20 NTU's
" rdg - 9.29 NTU's
" lot - A5022
" Exp - 6/30/25

Parameters (time)	temp (°c)	Cond (us/cm)	PH	Turb (NTUs)	DTW (ft.)
1) 250611 0910C	20.8	1262	7.51	1.49	471.36
2) —— 0913C	20.8	1265	7.48	1.19	471.36
3) —— 0916C	21.0	1268	7.46	1.13	471.36

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250611 0920C	VOA by 8260	ice/HCL	(3) 40ml vials	2797	ALS
—— 0921C	" (FB)	"	"	"	"
—— 0922C	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI
—— 0923C	Total Metals	ice/HNO_3	(2) 125ml polys	002324	ALS
—— 0924C	Anions/Alk.	ice	"	N/A	"
—— 0925C	TDS by SM2540C	"	(1) 250ml poly	"	"
—— 0926C	Perchlorate by 6850	"	(1) 125ml poly	"	"
—— 0927C	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	"	"

Total gallons purged: 2

Initial DTW: 471.12ft

Continued from page N/A

Read and Understood By

Craig Del Ferro 6/11/25 B-150 Ken Mundt 6-12-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/11/25 Page 1 of 1

Sample Location: ST-3-666

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	Total Metals	Anions / Alk.	TDS	Perchlorate		Charge Number
250611 0920C		3	A	✓							XGMD
0921C (FB)		3	A	✓							"
0922C		1	A		✓						"
0923C		2	A			✓					"
0924C		2	A				✓				"
0925C		1	A					✓			"
0926C		1	A						✓		"

Sample Location: ST-3-666

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: NO2/NO3							Charge Number
250611 0927C		1	A	✓							XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig DeTemmerman	6/11/25 / 1045hrs.	[signature]	6-12-25 / 0805

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Al Montes & Dan Halvorsen present. Weather is cloudy and hot. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Parameters will be monitored using a standard PH/COND meter. Carboy G3 in use.

Parameters (1)	Parameters (2)	Parameters (3)	meter ID
Time : 250604/1410A	250604/1412A	250604/1414A	PH/COND : 18
PH = 7.40	7.35	7.35	TURB : 8
TEMP = 22.8°C	22.8	22.9	DO : 9.20
COND = 1307 us/cm	1312	1315	ORP : 9.23
TURB = 1.64 ntu's	1.58	1.56	LOT #502
DO = 6.97 - 9.98 (36.4°C)	6.99-10.01	7.01-10.02	EXP 4/25
ORP = 6.89 - 9.99	6.98-10.01	7.01-10.02	

SAMPLES

SAMPLE #	Analysis	Preservative	Container	LOT	LAB
250604/1420A	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2795	ALS
—— 1421A	" " (FD)	"	"	"	"
—— 1422A	VOA/OAN Bromacil by 607	Ice	(1) 1L Amber	119901	SRL
—— 1423A	" " (Dup)	"	"	"	"
—— 1424A	Total metals	Ice/HNO3	(2) 125ml Poly	N/A	ALS

Continued from page

Read and Understood By

Signed — 6-4-2025 Date

Signed — 6-5-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6.4.25 Page 1 of 1

Sample Location: ST. 3.735

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	TOTAL METAL					Charge Number: XGMD
250604M20A	3	A	x							
1421A +1425A FB	3		x							
1422A	1			x						
1423A (DUP)	1			x						
1424A	2				x					

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	6.4.25 3:12			6-5-25 0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

6-9-25

PROJECT ST-4-481 WJI ENV-0053

Notebook No. 032 #138(c) 67

Continued from page NA

Matt Garcia & Marcus Avalos Present. Weather is clear & warm. Well Purged & sampled using dedicated pump. Teflon hose use for sample. Well Purged min of 1.4 Gal water qualitik parameters taken prior to sample. IDTW -463.80 Ft. carboy-63

Meter ID
PH/cond - 16
Turb - 18
" STD - 9.20
" RDG - 9.02
" Lot -
" EXP -

Parameters	Temp	P.H	cond.	Turb	DTW
1) 250609 1410C	22.8	7.53	1332	0.53	463.80
2) ——— 1415C	22.1	7.26	1299	0.38	465
3) ——— 1420C	21.3	7.33	1289	0.61	"

Samples

Sample	Analysis	Preserv	cont.	Lot	Lab
250609 1425C	8260LL	Ice/HCL	(3) 40ML Vials	2797	ALS
——— 1426C	" (FB)	"	"	"	"
——— 1427C	6007	Ice	(1) 1L Amber	0119904	SRI
——— 1428C	LL NDMA	"	"	"	"
——— 1429C	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia 6-9-25 B-154 Pete Mundo 6-10-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6.9.25 Page 1 of 1

Sample Location: ST.4.481

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	607/Bro	LL NDMA					Charge Number
250609/1425C		3	A	X							XGMD
1426C	(FB)	3		X							
1427C		1			X						
1428C		1				X					
1429C	(FB)	1				X					

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	6/9/25 @ 1500		[signature]	6-10-25 / 0815

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

6-9-25

PROJECT ST-4-690 WJI ENV-0053

Notebook No. 032 # 138(c)

Continued from page NA

Matt Garcia & Marcus Avalos present. Weather is clear & warm. Well purged & sampled using dedicated bladder pump. Samples taken from teflon hose. Well Purged a min ~~of~~ of 1.9 gal. Water quality parameters taken prior to sample.

IDTW - 463.70 Carboy - G3

Meter ID
PH/cond - 16
Turb - 8
STD - 9.20 NTUs
RDG - 7.19
LOT - A5022
EXP 6/30

Parametecs	Temp	PH	cond. ustm	Turb.	DTW (ft)
1) 250609 0950C	23.4	7.95	1059	0.79	463.70
2) ——— 0955C	23.5	8.20	1033	0.25	"
3) ——— 1000C	23.5	8.21	1033	0.39	464.10

Samples

Sample	Analysis	Preserv	Cont.	Lot	Lab
250609 1020C	8260LL	Ice/HCL	(3)40ML Vials	2797	ALS
——— 1021C	" (FB)	"	"	"	"
——— 1022C	6007	Ice	(1)1L Amber		SRI
——— 1023C	LL NDMA	"	"	"	"
——— 1024C	" (FB)	"	"	"	"
——— 1025C	T. Metals	Ice/HNO3	(2)125ML Poly	0A23324-24ES	ALS
——— 1026C	Anions/ALK	Ice/	(2)125ML Poly	011325 2END	"
——— 1027C	TDS	Ice	(1)250ML Poly	070824 2ND	"
——— 1028C	Perchlorate	Ice/	(1)125ML Poly	110424 2END	"
——— 1029C	NO2-NO3	Ice/H2SO4	(1)250ML Poly	093024-4EKE	"

Continued from page

Read and Understood By

Matt Garcia 6-9-25

Pam Munch 6-10-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-9-25 Page 1 of 1

Sample Location: ST-4-690

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260LL	6007	LLNDMD	T. Metals	Anions/MLK			Charge Number
250609102OC	3	A	X							XGMD
1021C (FB)	3		X							
1022C	1			X						
1023C	1				X					
1024C (FB)	1				X	#				
1025C	2					+				
1026C	2	A					+			

Sample Location: ST-4-690

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	TDS	Perchlorate	NO2NO3					Charge Number
250609102 7C	1	A	X							XGMD
1028C	1			X						
1029C	1	A			X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Gonzales	6-9-25 1115hrs		Jon Mundy	6-10-25 0815

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

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6/5/25 Flute

Notebook No. D32 #137 B

PROJECT ST-6-528 WJIENV-0110

Continued from page NA

Matt Garcia & Tony Torrez Present. weather is clear & cool. well purged & sampled using a Flute system. Dedicated teflon discharge hose use for sampling. Zone Purged 4+ times every 20 min. 4 gal min Purged. Purge Pressure - 22 Psi. Sample Pressure - 20 Psi. Bubbler - 3.5/7 stable. First 350mL discha carboy - 62

Pre Parameters		Parameters	
Time	250605 1130B	250605 1300B	
PH	8.08	8.05	
Temp	23.1°C	23.3°C	
Cond	1370 us/cm	1337 us/cm	
Turb	1.53	1.27	
PH pre	7.00, 9.83 24.6	7.01, 9.85 (25.2)	
" post	" "	" "	

Meter ID
PH/cond - 1C
Turb - 7
" STD - 50.0
" RDG - 50.6
" Lot - A502R
" Exp - 6/30

Samples Trip Blanks

Sample	Analysis	Preserv.	cont.	Lot	Lab
250605 0730B	8260LL	Ice/HCl	(3) 40 mL vials	2797	ALS
0731B	LL NDMA	Ice	(1) Amber (1L)	0119901J	SRI

Samples

Sample	Analysis	Preserv.	cont.	Lot	Lab
250605 1301B	8260LL	Ice/HCl	(3) 40mL vials	2797	ALS
1302B	" (FB)	"	"	"	"
1303B	LL NDMA	Ice	(1) 1L Amber	0119901J	SRI
1304B	" (FB)	Ice	"	"	"
1305B	1,4 Dioxane	"	(1) 250mL Amber	1028241G	ALS

Continued from page

Read and Understood By

Matt Garcia 6-5-25 Signed

B-158

Ben Wunderlich 6-6-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-5-25 Page 1 of 1

Sample Location: ST-6-528

Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NDMA	1,4 Dioxane					Charge Number
Pertinent Notes (if any)			Analytical Requirement							
250605 0730 B TB	3	A	X							XGMD
— 0731 B TB	1			X						
— 1301 B	3		X							
— 1302 B FB	3		X							
— 1303 B	1			X						
— 1304 B FB	1			X						
— 1305 B	1	↓			X					↓

Sample Location: ST-6-56B

Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NDMA	1,4 Dioxane					Charge Number
Pertinent Notes (if any)			Analytical Requirement							
250605 1311 B	3	A	X							XGMD
— 1312 B Dup	3		X							
— 1313 B FB	3		X							
— 1314 B	1			X						
— 1315 B FB	1			X						
— 1316 B	1	↓			X					↓

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Hall	6-5-25 1400hrs		[illegible]	6-6-25 / 0825

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

6/5/25 FLute

PROJECT ST-6-568 WJI ENV-0110

Notebook No. D32 #137B 49

Continued from page NA

Matt Garcia & Tony Torrez Present. Weather is clear & cool. Well Purged & sampled using a FLute system. Dedicated teflon discharge hose used for sampling. Zone purged 4+ times every 20 min. 4 gal min purged. Purge Pressure - 228psi Sample Pressure - 207psi Bubbler 3.5/7. First 350mL Discarded Carboy - GR

Pre Parameters	Parameters	Meter ID
Time 250605 1135B	250605 1310B	PH/cond - 16
PH - 7.53	7.71	Turb - 7
Temp - 22.6°C	22.4°C	" STD - 50.0 NTU
Cond - 1338 us/cm	1325 us/cm	" RDG - 50.6 NTU
Turb - 0.73	0.51	" LOT - A5022
PH Pre - 7.00, 9.83 24.6°C	7.00, 9.82 (24.6°)	" EXP - 6/30
" Post - " "	" "	

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250605 1311B	8260 LL	Ice/HCL	(3) 40mL Vials	2797	AL
1312B	" (DUPL)	"	"	"	"
1313B	" (FB)	"	"	"	"
1314B	LL NDMA	Ice	(1) 1L Amber	011990 IJ	STL
1315B	" (FB)	"	"	"	"
1316B	1,4 Dioxane	Ice	(1) 250mL Amber	102824 IGJ	AL

Continued from page

Read and Understood By

Matt Garcia — Signed

6-5-25 — Date

B-160

Tony Torrez — Signed

6-6-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-5-25 Page 1 of 1

Sample Location: ST-6-528

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	LL 1,4 DMA	1,4 Dioxane					Charge Number
250605 0730B	TB	3	A	X							XGMD
0731B	TB	1			X						
1301B		3		X							
1302B	FB	3		X							
1303B		1			X						
1304B	FB	1			X						
1305B		1				X					

Sample Location: ST-6-568

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	LL 1,4 DMA	1,4 Dioxane					Charge Number
250605 1311B		3	A	X							XGMD
1312B	Dup	3		X							
1313B	FB	3		X							
1314B		1			X						
1315B	FB	1			X						
1316B		1				X					

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Matt Hall	6-5-25 1400hrs	[signature]	6-6-25 / 0825

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

6/5/25 FLute

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PROJECT ST-6-678 WSI ENV-0110

Notebook No. D32 #137(B)
Continued from page NA

Matt Garcia & Tony Torrez Present. Weather is clear & cool. This well will be purged & sampled using a Flute system. Dedicated teflon discharge hose will be used for sampling. Zone purged 4+ times every 20 min and a min of 4 gals Purged. Purge Pressure - 228 psi. Sample Pressure - 207 psi. Carboy - 62 Bubbles - 3.5/7 (Stable)

Pre Parameters	Parameters
Time - 250605 1137B	250605 1320B
PH - 8.05	8.21
Temp - 23.1°C	23.0°C
Cond - 1228 us/cm	1222 us/cm
Turb - 0.30 NTU's	0.42 NTU's
PH pre - 7.00, 9.83 (24.0)	7.00, 9.83 (24)
" Post - " " "	" "

Meter ID
PH/cond - 16
Turb - 7
" STD - 50.0 NTU's
" RDG - 50.6 NTU's
" LOT - A50224
" EXP - A50224

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250605 1321B	8260LL	Ice/HCL	(3) 40ML vials	2797	ALS
1322B	" (FB)	"	"	"	"
1323B	LL NDMA	Ice	(1) 1L Amber	0119901J	SRI
1324B	" (FB)	"	"	"	"
1325B	1,4 Dioxane	"	(1) 250ML Amber	102824/GS	ALS

Continued from page

Read and Understood By

Matt Garcia 6-5-25 Signed Tony Torrez 6-6-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-5-25 Page 1 of 1

Sample Location: ST-6-678

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	LLVOM4	1,4 Dioxane					Charge Number
250605 1321B	3	A	X							XGMD
1322B	3		X							↓
1323B	1			X						
1324B	1			X						
1325B	1				X					

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Gore	6-5-25 1400hrs		[signature]	6-6-25 / 0825

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

6-6-25 Flute

PROJECT ST-6-824 WJI ENV-0110

Notebook No. D32 #13-(5) 51

Continued from page NA

Matt Garcia & Tony Torrez Present. This AM Weather is clear & cool. This well will be purged & sampled using a Flute system. Dedicated teflon discharge hose will be used for sampling. Zone Purged min of 4 gallons purged prior to sample event. First 350mL also discarded prior to sample. Sample Pressure - 207 psi Purge - 228 psi. Bubbler 3.5/7

Carboys - 62

Pre Parameters	Parameters	Meter ID
Time - 250606103058	250606122058	PH/Cond - 16
PH - 8.53	8.61	Turb - 7
Temp - 23.3°C	23.1°C	" STD - 50.0 NTUs
Cond. - 1141 uS/cm	1112 uS/cm	" RDG - 50.8 NTUs
Turb - 1.18	1.27 NTUs	" LOT - A50222
PH Pre - 7.00, 9.81 2a.9	7.00, 9.88	" EXP - 6/30
" Post - " "	" "	

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250606122 1B	8260LL	ICE/HCL	(3) 40 mL Vials	2797	ALS
—— 1222B	" (FB)	"	"	"	"
—— 1223B	LL NDMA	ICE	(1) L Amber	61199015	
—— 1224B	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia 6-6-25

Signed Date

B-164

Tony Torrez 6-6-25

Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-6-25 Page 1 of 1

Sample Location: ST-6-824

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA						Charge Number
250600612 21B	3	A	X							X GMD
1222B (FB)	3	↓	X							↓
1223B	1			X						
1224B (FB)	1	↓		X						

Sample Location: ST-6-976

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA						Charge Number
250600612 31B	3	A	X							XGMD
1232B (FB)	3	↓	X							↓
1233B	1			X						
1234B (FB)	1	↓		X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Gaur	6-6-25 1245hrs			6-9-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

6-6-25

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PROJECT ST-6-970 WSI ENV-0110 Flute

Notebook No. D32 #137(B)

· Continued from page NA

Matt Garcia & Tony Torrez present. Weather is clear & cool. This well will be purged & sampled using a Flute system. Dedicated teflon discharge hose will be used for sampling. Zone purged min of 4gal prior to sampling event. First 350mL discarded prior to sample. Sample Pressure - 20Tps; Purge Pressure - 22Bps: Bubbler - 3.5/7 Carboy - 62

Pre Parameters	Parameters	Meter ID
Time 250600610318	250600612368	PH/cond - 16
PH - 7.74	7.77	Turb - 7
Temp - 22.1°C	22.3°C	"STD - 50.0 NTU's
Cond - 1269us/cm	1251 us/cm	"RDG - 50.8 NTU's
Turb - 0.93 NTU's	0.99 NTU's	"LOT - A50ZZ
PH pre - 7.00, 9.81 (24.9°C)	7.00, 9.88 (33.1)	"EXP - 6/30
PH post - " "	" "	

Samples

Sample	Analysis	Preserv.	cont.	Lot	Lab
250600612318	8260 LL	ICE/HCL	(3) 40ML vials	2797	
1232B	" (FB)	ICE/HCL	~~(1) LL Amber~~	"	"
1233B	LL NDMA	Ice	(1) LL Amber	01199013	STL
1234B	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia 6-6-25 Signed Tony Torrez 6-6-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6-6-25 Page 1 of 1

Sample Location: ST-6-824

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA						Charge Number
250600621B	3	A	X							X GMD
1222B (FB)	3	↓	X							↓
1223B	1			X						
1224B (FB)	1	↓		X						↓

Sample Location: ST-6-976

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA						Charge Number
250600 61231B	3	A	X							X GMD
1232B (FB)	3	↓	X							↓
1233B	1			X						
1234B (FB)	1	↓		X						↓

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Gaur	6-6-25 1245hrs			6-9-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

PROJECT WW-1-482 WSE ENV-0053

Notebook No. D-32#136(A2)

Continued from page N/A

Robert Burrow & CRAIG DELFERRO is present. Weather is Hot & Hazy. This well will be purged & sample using a dedicated bladder pump. Samples will be Collected using a New Teflon Tube for Discharge. Water Quality parameters will be taken using a Standard PH/Cond meter. Carboy G-2 To use.

PH/Cond - 92
Turb - 6
" Std. - 5.39 units
" Rdg. - 8.35 units
" Lot# - A5022
" Exp - 6/30

Buffers	Lot#	Exp.
7	cc779729	6/25
10	cc783911	8/25

Parameters (Time)	PH	Temp (°C)	Cond (µs/cm)	Turb (units)	DTW (ft)
) 250617 1330A	7.63	24.4	1106	2.22	428.50
) ——— 1332A	7.65	" "	1104	1.15	" "
) ——— 1334A	7.70	" "	1108	1.01	" "
					" "

Samples

Sample #	Analysis	Preservatives	Containers	Lot#	Lab
250617 1345A	VOA by 8260 LL	HCl/ICE	(3) 40ml vials	2797	ALS
——— 1346A	" " (FB)	" "	(3) " "	" "	" "
——— 1347A	Low Level NDMA	ICE	(1) 1L Amber	0119015	SAI
——— 1348A	" " (FB)	" "	(1) " "	" "	" "

Total Depth W - 428.40 ft.

Total gallons purged - 1 1/2 gals.

Continued from page N/A

Read and Understood By

Robert Burrow — Signed — 6-17-25 Date

B-168

Jon Munk — Signed — 6-18-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/17/25 Page 1 of 1

Sample Location: WW-1-452

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	LLNDMA						Charge Number
250617 1345A	3	A	✓							XGMD
1346A (FB)	3	A	✓							"
1347A	1	A		✓						"
1348A (FB)	1	A		✓						"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Tesa	6/17/25/1420hrs.		[signature]	6-18-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

6/16/25

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PROJECT WW-2-489 WJI ENV-0053

Notebook No. D32#138(c)

Continued from page N/A

Dan Halvorsen & Craig Del Ferraro present. Weather is clear, hot & hazy. This well will be purged using a dedicated bladder pump. Sampler will be collected using a teflon discharge hose. Carboy G's in use.

Meter ID	Buffers	Lot	Exp
pH/Cond - 18	7	CC810372	9/26
Turb - 8	10	CC806765	7/26

" std - 9.20 NTU's
" rdg - 9.16 NTU's
" lot - A5022
" Exp - 6/30/25

Trip blanks - Water purification System

Sample	Analysis	Preservative	Container	Lot	Lab
250616072OC	VOA by 8260LL	ice/HCL	(3)40ml vials	2797	ALS
——— 0721C	Low Level NDMA	ice	(1)1L Amber	011990IJ	SRI

Parameters (Time)	temp (c)	cond (us/cm)	PH	Turb (NTU's)	DTW (Ft.)
1) 250616081SC	22.3	1137	8.64	5.82	N/A
2) ——— 0818C	22.6	1138	8.68	3.75	transducer
3) ——— 0821C	22.8	1141	8.72	3.40	———

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250616085OC	VOA by 8260LL	ice/HCL	(3)40ml vials	2797	ALS
——— 0831C	" (FB)	"	"	"	"
——— 0832C	Low Level NDMA	ice	(1)1L Amber	011990IJ	SRI
——— 0833C	" (FB)	"	"	"	"

Total gallons purged: 1.5 gals.

*Initial packer pressure Ø psi. Crew attempted to inflate packer, but no pressure could be sustained. Final pressure: Ø psia.

Continued from page N/A

Read and Understood By

Craig Del Ferraro 6/16/25

B-170

Dan Munck 6-17-25

Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/16/25 Page 1 of 1

Sample Location: WW-2-489

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	LL NDMA						Charge Number
250616 0720C (TB)	3	A	✓							XGMD
0721C (TB)	1	A		✓						"
0830C	3	A	✓							"
0831C (FB)	3	A	✓							"
0832C	1	A		✓						"
0833C (FB)	1	A		✓						"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig DeLuno	6/16/25 1050hrs.		[signature]	6-17-25 0840

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

6/16/25

PROJECT WW-2-664 WJI ENV-0053

Notebook No. D32 #138(c) 75

Continued from page N/A

Dan Halvorsen & Craig Del Ferraro present. Weather is clear, hot, and hazy. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Carboy G3. Initial packer pressure: 0 psia. Packer will not hold any pressure.

Meter ID		Buffers	Lot	Exp
pH/Cond	- 18	7	CC810372	9/26
Turb	- 8	10	CC806765	7/26
"	Std - 9.20 NTU's			
"	rdg - 9.16 NTU's			
"	lot - A5022			
"	Exp - 6/30/25			

Parameters (time)	temp (°C)	cond (us/cm)	PH	Turb (NTU's)	DTW (ft)
1) 250616 0945C	22.9	1128	8.15	2.72	N/A
2) ——— 0948C	23.2	1123	8.10	2.49	transducer
3) ——— 0951C	23.4	1119	8.07	2.23	———

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250616 1000C	VOA by 8260LL	ice / HCL	(3) 40ml vials	2797	ALS
*——— 1001C	* " (MS)*	"	"	"	"
——— 1002C	" (FB)	"	"	"	"
——— 1003C	Low Level NDMA	ice	(1) 1L Amber	0111901J	SRL
——— 1004C	" (FB)	"	"	"	"

Total gallons purged: 2.5

Continued from page N/A

Read and Understood By

Craig Del Ferraro 6/16/25

Peter W Munch 6-17-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/16/25 Page 1 of 1

Sample Location: WW-2-664

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	Analytical Requirement: LLNDMA	Charge Number
250616 1000C	3	A	✓		XGMD
1001C (MS)	3	A	✓		"
1002C (FB)	3	A	✓		"
1003C	1	A		✓	"
1004C (FB)	1	A		✓	"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Fernd	6/16/25 / 1050hrs.		Jon W Munch	6-17-25 / 0840

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Al Montes & Craig Del Ferraro present. Weather is clear & warm. This zone will be sampled using 2 triple rinsed, stainless steel sample tubes. Gen. in use. Probe # 4951.

30 Min. Equipment blanks - Carboy GI

Sample	Analysis	Preservative	Container	Lot	Lab
250605 1020y	VOA by 8260LL	ice / HCL	(3) 40ml vials	2797	ALS
——— 1021y	Low Level NDMA	ice	(1) 1L Amber	011990IJ	SRI

Initial Parameters
Time - 250605 1100y
PH - 7.94
Temp - 24.4°C
Cond - 1363 us/cm
Turb - 0.54 NTU's
pH pre - 6.98 / 10.02 (28.8°C)
pH post - 6.99 / 10.01
DTW - 415.51 ft.
Atmos - 12.49 psia

Final
Time - 250605 1341y
PH - 7.82
Temp - 24.8°C
Cond - 1378 us/cm
Turb - 0.47 NTU's
pH pre - 6.94 / 9.97 (33.0°C)
pH post - 6.95 / 9.97
DTW - 415.57 ft.
Atmos - 12.52 psia
IDW - 1/2 gal.

Meter ID
pH/Cond - 17
Turb - 20
" Std - 9.72 NTU
" rdg - 9.70 NTU's
" Lot - A5022
" Exp - 6/30/25

Buffers	Lot	Exp
7	CC810372	9/2
10	CC806765	7/2

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250605 1310y	VOA by 8260LL	ice / HCL	(3) 40ml vials	2797	ALS
——— 1311y	Low Level NDMA	ice	(1) 1L Amber	011990IJ	SRI
——— 1340y	" (Dupl.)	"	"	"	"

Runs	1)	2)	3)
	38.38	38.33	38.27
	36.25	36.14	36.30
	36.22	36.16	36.17
	38.14	38.32	38.27

Continued from page N/A

Read and Understood By

Craig Del Ferraro 6/5/25 B-174 Jon W Munsell 6-6-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/5/25 Page 1 of 1

Sample Location: WW-3-469

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LLNDMA	Charge Number
250605 1020Y (EB)	3	A	✓		XGMD
1021Y (EB)	1	A		✓	"
1310Y	3	A	✓		"
1311Y	1	A		✓	"
1340Y (Dupl.)	1	A		✓	"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig DeLiberto	6/5/25 / 1420 hrs.	[signature]	6-6-25 / 0825

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Al Montes & Craig Del Ferraro present. Weather is clear & warm. This zone will be sampled using 2 steam cleaned & triple rinsed, stainless steel sample tubes. Gen. in use. Probe # 4951.

30 Min. Equipment blanks - Carboy 6/1

Sample	Analysis	Preservative	Container	Lot	Lab
250605 0840Y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 0841Y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Initial Parameters
Time - 250605 0915Y
PH - 7.58
Temp - 24.5°C
Cond - 1513us/cm
Turb - 0.53 NTU's
pHpre - 7.03/10.06 (22.7°C)
pHpost - 7.02/10.05
DTW - 415.43 Ft.
Atmos - 12.49 psia

Final
Time - 250605 0947Y
PH - 7.53
Temp - 24.8°C
Cond - 1504us/cm
Turb - 0.49 NTU's
pHpre - 7.02/10.03 (25.5°C)
pHpost - 7.03/10.02
DTW - 415.51 Ft.
Atmos - 12.47 psia
IDW - 1/2 gal.

Meter ID
pH/Cond - 17
Turb - 20
" Std - 9.72 NTU's
" rdg - 9.70 NTU's
" lot - A5022
" Exp - 6/30/25

Buffers	Lot	Exp
7	CC810372	9/2
10	CC806765	7/2

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250605 0945Y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 0946Y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Runs	1)	2)
	81.57	81.43
	79.41	79.45
	79.43	79.48
	81.41	81.22

Continued from page N/A

Read and Understood By

Craig Del Ferraro 6/5/25

Tom Munck 6-6-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 6/5/25 Page 1 of 1

Sample Location: WW-3-569

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	Analytical Requirement: LLNDMA	Charge Number
250605 0840Y (EB)	3	A	✓		XGMD
0841Y (EB)	1	A		✓	"
0945Y	3	A	✓		"
0946Y	1	A		✓	"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig Del Zenno	6/5/25/1115hrs.		6-6-25 /0825

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

AL MONTES & TONY TORRES PRESENT. THE WEATHER IS CLEAR & HOT
THIS WELL WILL BE PURGED & SAMPLED USING A TEFLON DISCHARGE TUBE.
PARAM'S WILL BE COLLECTED FROM AN AQUATROLL 500. CAMBY 6-1
COMPUTER CAN'T WORKING ON THIS WELL

CALIBRATIONS

DO SENSOR cal'd IN 100% SATURATION
COND SENSOR cal'd IN 1413 µs/cm STD.
pH SENSOR cal'd IN 4, 7, 10 BUFFER
TURB SENSOR cal'd IN 10 NTU STANDARD.

PARAM'S

SAMPLE #	TEMP	COND.	DO	ORP	pH	TURB
250710 1415A	24.0	1693			7.47	1.38
1416A	23.9	1629			7.45	1.20
1417A	24.0	1625			7.40	

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250710 1420A	8260 ((	ICE / HCl	(3) 40 ml VIALS	ALS
1421A	" (FB)	"	"	"
1422A	((NDMA	ICE	(1) 1 LT AMBER	SNJ
1423A	" (FB)	"	"	"

Continued from page

Read and Understood By

7.10.25 Date

B-178

7-14-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.10.25 Page 1 of 1

Sample Location: 100-f-358

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	LL8260	LL2DMA						Charge Number
									XGMD	
250710 1420A	3	A	X							
1421A (FB)	3	A	X							
1422A	1	A		X						
1423A (FB)	1	A		X						

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	7.10.25 2:55PM			7-14-25 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

AL MONTES & TOM TORRES PRESENT. THE WEATHER IS CLEAR & HOT. THIS WELL WILL BE PURGED & SAMPLED WITH A DEDICATED TEFLON BLADDER PUMP. SAMPLES COLLECTED FROM A TEFLON DISCHARGE TUBE. PARAMS COLLECTED FROM A AQUA TROLL 500. CARBOY 6-1

CALIBRATIONS

DO SENSOR CAL'D IN 100% SATURATION

pH SENSOR CAL'D IN 4, 7, 10 BUFFERS.

COND SENSOR CAL'D IN 1413 µS/cm

TURB SENSOR CAL'D IN 10 NTU STANDARD

PARAM'S

SAMPLE #	COND	TEMP	DO	ORP	pH	TURB
250710 1024	1079.155	21.524	2.396	51.471	7.300	9.582
—— 1025A	1070.536	21.812	2.358	53.168	7.303	9.514
—— 1026A	1078.566	21.546	2.384	52.968	7.302	9.561

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250710 1030A	8260 (FULL)	ICE/HCl	(3) 40ml VIA's	ALS
—— 1031A	" (F.B.)	"	"	"
—— 1032A	ICNPMA	ICE	(1) LITER AMBER	SNT
—— 1033A	" (F.B.)	"	"	"
—— 1034A	8270	"	(2) 500ml AMBER	ALS
—— 1035A	DRO	"	"	"
—— 1036A	GRO	ICE/HCl	(3) 40ml VIA's	"

Continued from page

Read and Understood By

T. [signature] 7-10-25 [signature] 7-14-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7·10·25 Page 1 of 1

Sample Location: 100·G·223

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	LL 8260	LC 2MA	8270D	DRO	GRO			Charge Number
										XGMD
250710 1030A	3	A	X							
1031A	3	A	X							
1032A	1	A		X						
1033A	1	A		X						
1034A	2	A			X					
1035A	1	A				X				
1036A	3	A					X			

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
I D	7·10·25 / 1100			7-14-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

PROJECT 300-F.175 ENV-0053 modified Sampling

Notebook No. D32 #136 A

Continued from page _____

Al Monkes & Dan Halvorsen present. Weather is partly cloud and hot. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Corbey GI in use.

Calibrations:

DO Sensor: In 100% Saturated air.

pH Sensor: using 4-7-10 Buffers

Conductivity: using a K1.3 ms/cm STD.

Turbidity: using a 10 NTU STD.

Trip Blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
250714 1250 A	VOA by 8260 LL	Ice (HCl)	(3) 40 ml Vial	2797	ALS
—— 1251 A	NDMA LL	Ice	(1) 1L Amber	119901	SRL

Parameters (Time)	Temp	Cond	DO	pH	ORP	Turb
250714 1410 A	23.63	1201	6.15	8.62	-19.1	5.72
—— 1412 A	23.62	1204	6.10	8.63	-19.0	5.68
—— 1414 A	23.62	1201	6.12	8.60	-19.0	5.71

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250714 1420 A	VOA by 8260 LL	Ice (HCl)	(3) 40 ml Vial	2797	ALS
—— 1421 A	" " (FB)	"	"	"	"
—— 1423 A (1424)	NDMA LL	Ice	(1) 1L Amber	119901	SRL
—— 1425 A	" " (FB)	"	"	"	"

Continued from page

Read and Understood By

7-14-2025 Date

Signed

B-182

7-16-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.14.25 Page 1 of 1

Sample Location: 300.F.175

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL NAMA	LL 8260						Charge Number
										XGMD
250714 1420A	3	A		X						
1421A FB	3	A		X						
1250A TB	3	A		X						
1423A	1	A	X							
1424A FB	1	A	X							
1251A TB	1	A	X							

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	7.14.25 3PM			7-15-25 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

PROJECT 600-A-004-GW ENW-0013

Notebook No. DSZ #38(c) 87

Continued from page _____

Craig DelFernando + Tony Torrez present. The weather is Hazy + warm. This well will be bailed for both purging + sampling. 6.5 gallons Bailed

INITIAL	FINAL	METER ID's
250715 1320C	250715 1407C	pH/Cond #92
pH 8.43	8.45	Turb # 8
Temp 23.4°C	23.60°C	" ORP 9.26
Cond 2.29 ms/cm	2.96 ms/cm	" DO 9.36
Turb 0.74 NTU's	0.15 NTU's	" LOT # A5022
pH prior 6.97/10.01 (29.4°)	7.00/10.01 (29.8)	" Exp 7/31/25
pH post 6.97/9.98	7.00/10.00	
DTW 186.35 FT	186.78 FT	

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250715 1325C	8260	ICE/HCl	(3) 40 mL VOAs	ALS
——— 1326C	" (FB)	ICE	"	"
——— 1327C	(607)	"	(1) L Amber	SNT
——— 1328C	8270	"	(2) 500 mL Amber	ALS
——— 1329C	TOTAL METALS	ICE/HNO3	(2) 125 mL poly	"
——— 1330C	ANIONS/CATIC	ICE	"	"
——— 1331C	TDS	"	(1) 250 mL poly	"
——— 1332C	PERCHLORATES	"	(1) 125 mL poly	"
——— 1333C	NO_2/NO_3	ICE/H_2SO_4	(1) 250 mL poly	"

Continued from page

Read and Understood By

T. [signature] 7.15.25 B-184 Pete W Mundo 7-16-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-15-25 Page 1 of 1

Sample Location: 600A-004-GW

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	8260	607	8270	TAL METALS	ANIONS/ALK	TDS		Charge Number
				Analytical Requirement							XGMD
250715-1525C		3	A	X							
1526C		3		X							
1527C		1			X						
1528C		1				X					
1529C		2					X				
1530C		2						X			
1531C		1							X		

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Perchlorate	NO2/NO3						Charge Number
				Analytical Requirement							XGMD
1532C		1	A	X							
1533C		1	A		X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T-D	7-15-25/1500			7-16-25/0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

MATT GARCIA & TONY TARVER PRESENT. THE WEATHER IS CLEAR & WARM
THIS WELL WILL BE PURGED & SAMPLED WITH A DEDICATED TEFLON SLADD
PUMP. SAMPLES COLLECTED FROM A TEFLON TUBE. CARBOY G-2
388.70

	INITIAL	FINAL
	250716 1030C	250716 1050C
pH	8.81	8.83
TEMP	21.6	21.7
COND	877	878
TURB	0.46	0.33
PHPRE	7.01/10.000 (24.3)	7.00/10.00 (24.9C)
PHPOST	7.00/10.00	7.01/10.01

DTW 388.70 FT TRIP BLANKS

METER IDS
pH/COND # 9
TURB # 8
11 STD 9.26
11 RDG 9.40
11 LOT # A502
11 EXP 7/31

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250716 0730C	8260	ICE/HCl	(3) 40ml VIALS	ALS

SAMPLES

SAMPLE #		ANALYSIS	PRESERV	CONT
250716	1031C	8260	ICE/HCl	(3) 40ml VIALS
———	1032C	11 (FB)	11	11
———	1033C	6007	ICE	(1) 1LT AMBER
———	1034C	11 (DUP)	11	11
———	1035C	~~TOTAL~~ 8270	11	(2) 500ml AMBER
———	1036C	TOTAL METALS	ICE/HNO_3	(2) 125ml POLY
———	1037C	11 (DUP)	11	11
———	1038C	ANIONS/ALK	ICE	11
———	1039C	TDS	11	(1) 1250 ml POLY
———	1040C	PERCHLORATE	11	
———	1041C	NO_2/NO_3	ICE/H_2SO_4	

Continued from page

Read and Understood By

T. [illegible] 7-16-25 B-186 Pam W Munds 7-17-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.16.25 Page 1 of 1

Sample Location: 600 C-005-GW

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	9260	6010	8270	TM Metals				Charge Number
										XGMD
250716 1031C	3		X							
— 1032C (FB)	3		X							
— 1033C	1			X						
— 1034C	1			X						
— 1035C	2				X					
— 1036C	2					X				
— 1037C	2					X				

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	Anions-Aqueous	TDS	Perchlorate	NO2 NO3				Charge Number
										XGMD
— ~~1038~~ 1038C	2	A	X							
— 1039C	1			X						
— 1040C	1				X					
— 1041C	1					X				
— 0730C	3									

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T-Dg	7.16.25/1300			7-17-25 /0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Craig Del Ferraro present. Weather is clear & warm. This well will be purged dry using a Bennett pump. After well recovers, samples will be collected using a teflon bailer. Carboy G3 in use.

Total depth: 148.40ft.
Initial DTW: 145.24ft.
start purge: 0720 hrs.
stop purge: 0728 hrs.
Total gallons purged: 6
Final DTW: 145.60ft.

Meter ID	Buffers	Lot	Exp
pH/Cond - 18	7	CC810372	9/26
Turb - 7	10	CC806765	7/26
" Std - 54.1 NTU's			
" rdg - 53.2 NTU's			
" lot - A5022			
" Exp - 7/31/25			

Initial Parameters
Time - 250715 1045B
PH - 7.54
Temp - 25.2°C
Cond - 2.42 ms/cm
Turb - 2.10 NTU's
pH pre - 7.04/10.02 (26.1°C)
pH post - 7.04/10.01
DTW - 145.40ft.

Final
Time - 250715 1100B
PH - 7.52
Temp - 24.9°C
Cond - 2.38 ms/cm
Turb - 1.96 NTU's
pH pre - 7.02/9.98 (28.5°C)
pH post - 7.03/9.98

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250715 1046B	VOA by 8260	ice/HCL	(3) 40ml vials	2801	ALS
——— 1047B	" (Dupl.)	"	"	"	"
——— 1048B	" (FB)	"	"	"	"
——— 1049B	Chloride by 300.0	ice	(1) 125ml poly	110424-2ERD	"
——— 1050B	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	021726-4ELR	"

Continued from page N/A

Read and Understood By

Craig Del Ferro 7/15/25

Date 7-15-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/15/25 Page 1 of 1

Sample Location: 600-G-138

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	Chloride	NO2/NO3					Charge Number
2507151046B	3	A	✓							XGMD
1047B (Dupl.)	3	A	✓							"
1048B (FB)	3	A	✓							"
1049B	1	A		✓						"
1050B	1	A			✓					"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Deltzeud	7/15/25/1125hrs.			7-16-25 /0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Al Mantay & Dan Halvorsen present. Weather is clear and warm. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G1 in use.

Calibrations:

DTW: 30.22 ft

DO Sensor = In 100% Saturated air.
PH Sensor = Using 4, 7, 10 Buffers
Conductivity = Using a 1413 us/cm STD.
Turbidity = Using a 10 NTU STD.

Parameters (Time)	TEMP	COND	DO	PH	ORP	TURB
250715/1350 A	28.98	593	4.21	10.35	-87	5.06
——— /1352 A	28.97	590	4.18	10.34	-86	5.02
——— /1354 A	28.97	591	4.22	10.28	-86	5.04

Samples

Sample #	Analysis	Preserve	Container	Lot	Lab
250715/1400 A	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2787	ACS
——— /1401 A	" " (FB)	"	"	"	"
——— /1402 A	NDMA/DMN Bromacil by 607	Ice	(1) 1L Amber	11R901	SRL
——— /1403 A	Total metals	Ice/HNO3	(2) 125 ml Poly	N/A	AKS
——— /1404 A	Anions/NIK	Ice	(2) "	"	"
——— /1405 A	TDS	"	(1) 250 ml Poly	"	"
——— /1406 A	Perchlorate	"	(1) 125 ml Poly	"	"
——— /1407 A	NO2/NO3	Ice/H2SO4	(1) 250 ml Poly	"	"

Blind Controls

Sample #	Analysis	Preserve	Container	Lot	Lab
250715/1430 A	VOA by 8260	Ice/HCl	(3) 40 ml Vial	25GD050 A	AKS
——— /1431 A	NDMA/DMN Bromacil by 607	Ice	(1) 1L Amber	" B	SRL
——— /1432 A	Total metals	Ice/HNO3	(2) 125 ml Poly	" C	AKS

Continued from page

Read and Understood By

Signed 7-15-2025 Date

B-190

Signed Date 7-16-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-15-2025 Page _____ of _____

Sample Location: 700-E-458

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	VOC	GC	Metals					Charge Number
										XGMD
250715 1400 A	3	A	X							
1401 A FB	3		X							
1430 A BC	3		X							
1402 A	1			X						
1431 A BC	1			X						
1403 A	2				X					
1432 A BC	2				X					

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	Anions/AIK	TDS	Perchlorate	NO3/NO2				Charge Number
										XGMD
250715 1404 A	2	A	X							
1405 A	1			X						
1406 A	1				X					
1407 A	1					X				

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	7-15-2025 1450			7-16-25 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Al Montes & Dan Halvorsen present. Weather is Clear and Warm. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy 61 in use.

Calibrations:
DO Sensor: In 100 % Saturated air.
pH Sensor: using 4, 7, 10 Buffers
Conductivity: using a 1413 uS/cm STD.
Turbidity: using a 10 NTU STD.

Parameters (Time)	Temp	Cond	DO	pH	ORP	Turb
250716 1015 A	21.38	714	2.69	8.36	-22	1.86
" 1017 A	21.37	711	2.65	8.29	-21	1.80
" 1019 A	21.37	712	2.68	8.33	-22	1.82

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250716 1023 A	VOC by 8260	Ice/HCl	(3) 40 ml VOA	27.97	ALS
" 1024 A	" " " (FB)	"	"	"	"
" 1025 A	NDMA/DMN Bromacil by 625	Ice	(1) 1L Amber	119901	SRL
" 1026 A	" " " (MS)	"	"	"	"
" 1027 A	SVOC by 8270D	"	(2) 500 ml Amber	V	ALS
" 1028 A	Total metals	Ice/HNO3	(2) 125 ml Poly	"	"
" 1029 A	Anions/Alk	Ice	(2) "	"	"
" 1030 A	TDS	"	(1) 250 ml Poly	"	"
" 1031 A	Perchlorate	"	(1) 125 ml Poly	"	"
" 1032 A	NO2/NO3	Ice/H2SO4	(1) "	"	"

Continued from page

Read and Understood By

Signed 7.16.2025 Date

Signed [signature] 7-17-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-16 2025 Page _____ of _____

Sample Location: 100-001-GW

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	VOC	LO7	SVOC	Metals	Cyanide			Charge Number
										XGMD
250716 1023 A	3	A	X							
1024 A FB	3		X							
1025 A	1			X						
1026 A MS	1			X						
1027 A	2				X					
1028 A	2					X				
1029 A	2						X			

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	TDS	Perchlorate	NO3/NO2					Charge Number
										XGMD
250716 1030 A	1	A	X							
1031 A	1			X						
1032 A	1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	7-16-2025 1130			7-17-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

PROJECT BLM-6-488 ENV-0053

Notebook No. D32 # 138 c

Continued from page _____

Tim Kendy and Dan Halvorsen present. Weather is cloudy and warm. This well will be sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Carboy G1 in use.

Meter ID

Hi Cond = 17

Turb = 20

ORP = 9.70

DO = 9.68

Lot = A5022

Exp = 7/25

NOTE! LAPTOP would not connect.

Parameters (Time)	Temp	pH	Cond	Turb
250703 0910 c	20.80	7.29	1391	2.47
—— 0912 c	20.79	7.31	1390	2.39
—— 0914 c	20.79	7.30	1392	2.20

SAMPLES

Name #	Analysis	Preserve	Container	Lot	Lab
250703 0920 c	VOC by 8260	Ice/HCl	(3) 40 ml VOA	2797	ALS
—— 0921 c	" " (FB)	"	"	"	"
—— 0922 c	NDMA 4K	Ice	(1) 1L Amber	119801	SRI
—— 0923 c	" " (FB)	"	"	"	"

Continued from page

Read and Understood By

7-3-2025

7-3-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-3-2025 Page _____ of _____

Sample Location: BLM. 6-488

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: UOG	Analytical Requirement: NDMA LL	Charge Number
250703092oc		3	A	4		XGMD
0921c	FB	3		4		
0922c		1			4	
0923c	FB	1			4	

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	7-3-2025 1045			7-7-25 / 0845

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

7/10/25

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PROJECT BLM-10-517 WJI ENV-0053

Notebook No. D32 #138(C)

Continued from page N/A

Robert Burrows & Craig Del Ferraro present. Weather is clear & hot. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G2 in use.

Calibrations

DO sensor - calibrated in 100% saturation.
Cond. Sensor - " using 1413 us/cm std.
PH Sensor - " " 4, 7, & 10 buffers.
Turb. Sensor - " " 20 NTU Std.

Parameters (time)	temp (°c)	cond (us/cm)	DO	ORP	PH	Turb (NTU's)	DTW (ft.)
250710 1350C	22.20	1017.46	7.03	120.3	7.57	1.12	499.36
" 1353C	22.81	1009.37	6.81	118.0	7.54	0.82	499.36
" 1356C	22.93	1002.80	6.59	117.3	7.53	0.63	499.36

Sample	Analysis	Samples Preservative	Container	Lot	Lab
507101400C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2801	ALS
" 1401C	" (FB)	"	"	"	"
" 1402C	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRL
" 1403C	" (FB)	"	"	"	"

Initial DTW: 499.30ft.

Total gallons purged: 2.5

Continued from page N/A

Read and Understood By

Craig Del Ferraro 7/10/25

B-196

Peter Mundt 7-14-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/10/25 Page 1 of 1

Sample Location: BLM-10-517

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LLNDMA	Charge Number
250710 1400C		3	A	✓		XGMD
1401C (FB)		3	A	✓		"
1402C		1	A		✓	"
1403C (FB)		1	A		✓	"

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig Del Zuno	7/10/25/1435hrs.	[signature]	7-14-25 /0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Matt Garcia & Craig Del Ferraro present. Weather is clear & hot. This well will be purged using a dedicated bladder pump. Samples will be collected using a Teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Cardoy G2 in use.

Calibrations
DO sensor - calibrated in 100% saturation.
Cond. sensor - " using 1413 us/cm std.
PH sensor - " " 4, 7, & 10 buffers.
Turb. sensor - " " 20 NTUs std.

Parameters (time)	temp (°C)	cond (us/cm)	DO	ORP	PH	Turb (NTUs)	DTW (ft)
1) 250714 1350C	23.7	1170	N/A	N/A	8.84	1.44	N/A
2) ——— 1353C	24.1	1168	|	|	8.80	1.51	"
3) ——— 1356C	24.4	1162			8.78	1.29	"

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250714 1400C	VOA by 8260	ice / HCL	(3) 40ml vials	2801	ALS
——— 1401C	" (FB)	"	"	"	"
——— 1402C	607 / Bromacil	ice	(1) 1L Amber	0119901J	SRI

* Dye trace residue present in purge water and samples.

* Did not use In-Situ equipment due to heavy dye present in the purge water. No DO or ORP could be collected.

Initial DTW: N/A (transducer) Total gallons purged: 1.5

pressure: 11.09 psi
temp: 73.46°F (23.03°C)
depth: 25.54'

Continued from page N/A

Read and Understood By

Craig Del Ferraro 7/14/25

7-15-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/14/25 Page 1 of 1

Sample Location: BLM-15-305

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607						Charge Number
250714 1400C	3	A	✓							XGMD
1401C (FB)	3	A	✓							"
1402C	1	A		✓						"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Deltenre	7/14/25/1430 hrs.		[signature]	7-15-25 /0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

7/14/25

PROJECT BLM-17-550 WJI ENV-0053

Notebook No. D32 #138(c) 85

Continued from page N/A

Matt Garcia & Craig Del Ferraro present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a Teflon discharge hose. Water quality parameters will be monitored using an In-situ Aqua Troll 500. Carboy H2 in use.

Calibrations

DO sensor - Calibrated in 100% saturation.
Cond. sensor - " using 1413 us/cm std.
PH sensor - " " 4, 7, & 10 buffers.
Turb. sensor - " " 20 NTU std.

Parameters (time)	temp (°C)	cond (us/cm)	DO	ORP	PH	Turb (NTU's)	DTW (ft.)
1) 250714 1015C	21.62	1182.1	6.14	32.5	7.30	2.02	515.03
2) ——— 1018C	21.68	1184.2	5.90	31.4	7.30	1.73	515.03
3) ——— 1021C	21.70	1187.3	5.68	29.8	7.28	1.64	515.03

Sample	Analysis	Samples Preservative	Container	Lot	Lab
250714 1025C	VOA by 8260	ice/HCL	(3) 40ml vials	2801	ALS
——— 1026C	" (FB)	"	"	"	"
——— 1027C	607/Bromacil	ice	(1) 1L Amber	0119901J	SRL

Initial DTW: 514.94ft. Total gallons purged: 2

Continued from page N/A

Read and Understood By

Craig Del Ferro 7/14/25 B-200 Pam W Mumle 7-15-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/14/25 Page 1 of 1

Sample Location: BLM-17-550

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607						Charge Number
250714 1025C	3	A	✓							XGMD
1026C (FB)	3	A	✓							"
1027C	1	A		✓						"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Deforest	7/14/25/1100hrs.			7-15-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Al montes & Dan Halvorsen present. Weather is partly Cloudy and Cool. This well will be purged and Sampled using a dedicated bladder pump. Samples will be collected using a new Teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Cert Dry GI in use.

Calibrations:

DO sensor: In 100 % saturated air.

PH sensor: Using 4, 7, 10 Buffers

Conductivity: Using a 1413 us/cm STD.

Turbidity: Using a 10 NTU STD.

Parameters (Time)	Temp	Cond	DO	PH	ORP	TURB
250714 0945 A	21.66	1000	6.73	7.47	70	4.95
0947 A	21.65	1001	6.70	7.50	71	4.86
0949 A	21.65	1001	6.74	7.45	70	4.81

Samples

Sample #	Analysis	Preserve	Container	Lot	LAB
250714 0955 A	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2797	ALS
0956 A	" " (Dup)	"	"	"	"
0957 A	" " (FB)	"	"	"	"
0958 A	NDMA/DMN Bromacil by 607	Ice	(1) 1L Amber	119801	SRL

Continued from page

Read and Understood By

B-202

7-14-2025 Date

Signed

7-15-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.14.25 Page 1 of 1

Sample Location: BLU.13.430

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement 6707	Analytical Requirement 8260						Charge Number
										XGMD
250714 0955 A	3	A		X						
0956 A	3	A		X						
0957 A	3	A		X						
0958 A	1	A	X							

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	7.14.25 1030			7-15-25 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Robert Burrows & Tony Tomer present. The weather is Partly cloudy & warm. This well will be purged & sampled with a Flute System. Purge Pressure 248psi & Sample pressure 227psi. 4 gallons purged prior to sampling. Bubbler set @ 3psi & stable @ 4.5psi. The first 350 ml's of sample will be discarded. Canboy 6-2

Panamp one		Panam's	Meter ID's
250702 1100B		250702 1125 IS	pH/cond # 1 Ce
pH	7.84	7.86	Tumb # Ce
Temp	23.6	23.4	" std = 4.68
Cond	1.11	1.08	" Rdg = 4/79
Tumb	1315 µs/cm	1317 µs/cm	" Exp = 7/31
pHone	6.91/10.08 (30°C)	6.94/10.00 (30°C)	" Lot # A 5022
pHpost	6.96/10.00	6.94/10.02	

Samples

Sample #	Analysis	Preserv	Cont	Cal
250702 1130B	8260 Full	Kettle	(3) 40 mL VOAs	AS
—— 1131B	" (AFS)	"	"	"
—— 1132B	Lindane	Ice	(1) LCT Amber	SRF
—— 1133B	" (AFS	"	"	"
—— 1134B	SVOA Sims	"	(1) 250 ml Amber	AS

Continued from page

Read and Understood By

T. [illegible]
Signed

7-2-25
Date

B-204

[illegible]
Signed

7-3-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.2.25 Page _____ of _____

Sample Location: JER-1-483

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
			8260	1C	5 VOAs					X6mD
250702 11301B	3	A	X							
11311B (FB)	3		X							
11321B	1			X						
11331B (FB)	1			X						
11341B	1				X					

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T. Dy	7.2.25 / 1300		[signature]	7-3-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

ROBERT BURROWS & TONY TORREZ PRESENT. THE WEATHER IS OVERCAST & WARM. THIS WELL WILL BE PURGED & SAMPLED USING A FLUTE SYSTEM. PURGE PRESSURE 29# & SAMPLE PRESSURE SET @ 22#. 4 GALLONS PURGED THE FIRST 350 mls OF SAMPLE discarded. BLADDER SET @ 5PSI & STABLE @ 4 PSI. CARBOY 6-2

PRE PARAMS		PARAMS	METERS
250702 1120B		250702 1140 B	pH/COND #16
pH	8.36	8.40	Turb # 60
TEMP	23.3	23.4	11 STD 4.68
COND	1346	1349	11 Rdg 4.79
TURB	1.29	1.41	11 LOT # 9351
pHPRE	6.96 / 10.01 (30.0°C)	6.97 / 10.00 (30.0°C)	11 Exp - A5022
pHPOST	6.95 / 1998	6.95 / 9.98	

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250702 1145B	8260LL	ICE/HCl	(3) 40ml Vials	ALS
1146B	11 (FB)	11	11	11
1147B	CONDMA	ICE	(1) 1LT Amber	SRI
1148B	11 (FB)	11	11	11
1149B	11 (Dup)	11	11	11
1150B	SUBA Sims	11	(1) 250ml Amber	ALS
1151B	8260LL	ICE/HCl	(3) 40ml Vials	11

Continued from page

Read and Understood By

T. [illegible] 7-2-25 Signed / Date

Lori W Munch 7-3-25 Signed / Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.2-25 Page _____ of _____

Sample Location: JEN-1-~~T68~~ 563

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260 (LCMS)	(LCMS) AMDA	8 SUCRALOSE-MS					Charge Number
250702 1145B	3	A	X							X6mD
1146B (FB)	3		X							
1151B (MS)	3		X							
1147B	1			X						
1148B (FB)	1			X						
1149B (Dup)	1			X	~~X~~					
1150B	1				X					

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T. Dy	7.2.25/1300			

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

ROBERT BURRUS & TONY TORRES PRESENT. THE WEATHER IS PARTLY CLOUDY & WARM. THIS WELL WILL BE PURGED & SAMPLED USING A FLUTE SYSTEM. PURGE PRESSURE 248 & SAMPLE PRESSURE 227. BUBBLER SET @ 3 psi & STABLE @ 4.5 psi. 4 GALLONS PURGED. CARBOY 6-2. THE FIRST 5 ITEMS PURGED FOR SAMPLE DISCARDED

	Panam's Put	Panam's	METER ID's
	250702 1122B	250702 1205B	pH (and)
pH	8.18	8.15	Thumb
Temp	23.4	23.6	" Std
Cond	1299	1296	" Rdg
Turb	0.95	1.21	" Lot#
pH pre	7.03 / 10.00 (28.7c)	7.02 / 9.99 (29.8)	" Exp.
pH post	7.02 / 10.00	7.01 / 10.00	

SAMPLES

Sample #	Analysis	Preserv	Cont	Lab
250702 1210B	8260 LL	ICE/HCl	(3) 40 ml Vials	ALS
—— 1211B	" (FB)	"	"	"
—— 1212B	CLNDMA	ICE	(1) 1 lt Amber	SMS
—— 1213B	" (FB)	"	"	"
—— 1214B	SVOA Sims	"	(1) 250 ml Amber	ALS

Continued from page

Read and Understood By

T. [illegible] 7-2-25 B-208 Tom Munck 9-3-25

Signed Date Signature Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-2-25 Page _____ of _____

Sample Location: JEN-1-6853

Analytical Requirement: 8260C | GRO/DRO | SVOA SIMS

Charge Number: X6MD

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260C	GRO/DRO	SVOA SIMS					Charge Number
250702 1210B	3	A	X							
— 1211B (FB)	3		X							
— 1212B	1			X						
— 1213B (FB)	1			X						
— 1214B	1				X					

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	7.225/1500			

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Marcus Avalos & Robert Burrows present. Weather is partly cloudy & warm. This well will be purged & sampled using a Fluke system. Purge pressure set @ 265 psi & sample pressure set @ 244 psi. Bubbler set @ 3 psi & stable @ 7 psi. Zone will be purged every 15 min & a minimum of 4 gallons purged prior to sampling. Samples will be collected using a dedicated discharge hose. First 350 ml will be discarded. Carboy G·3.

Pre Parameters	Parameters
Time - 250703|2001B	250703|2301B
pH - 8.21	8.18
Temp - 23.1°C	24.6°C
Cond - 1174 us/cm	1175 us/cm
Turb - 1.50 NTU	1.10 NTU
pH pre - 6.99/10.01 (24.8°C)	7.06/10.03 (29.1°C)
pH post - 6.97/10.00	7.04/10.02
	IDW - 4 gal

Meter ID

PH/Cond - #16
Turb - #6
= STD - 4.68 NTU
= PDG - 4.78 NTU
= LOT - A5022
= EXP - 7/31

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250703|2301B	VOA by 8260LL	HCl/Ice	(3) 40 ml vials	2797	ALS
—— 1232B	= (FB)	=	=	=	=
—— 1233B	Low Level NDMA	Ice	(1) 1L Amber	0119901J	SBJ
—— 1234B	= (FB)	=	=	=	=
—— 1235B	1,4-Dioxane 8270D	=	(1) 250 ml Amber	102824|GJ	ALS

Continued from page

Read and Understood By

MA 7·3·25 — Signed / Date

B-210

7-3-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.3.25 Page 1 of 1

Sample Location: JER-2-504

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260LL	VOA LL	1,4 Dioxane 8270					Charge Number
250703123113	3	A	X							XGMD
1232B (FB)	3	↓	X							↓
1233B	1			X						
1234B (FB)	1			X						
1235B	1	↓			X					

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	7-3-25 @ 1400		[signature]	7-7-25 / 0845

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Marcus Aviles & Robert Burrows present. Weather is partly cloudy & warm. This well will be purged & sampled using a Flute system. Purge pressure set @ 265 psi & sample pressure set @ 244 psi. Bubbler set @ 3 psi & stable @ 7 psi. Zone will be purged every 15 min & a minimum of 4 gallons will be purged prior to sampling. Samples will be collected using a dedicated discharge hose. First 350 ml will be discarded). Carboy G.3.

Pre Parameters		Parameters	Meter ID
Time	- 250703/1207B	250703/1240B	pH/Cond - #16
pH	- 8.30	8.15	Turb - #6
Temp	- 24.0 °C	24.1 °C	= STD - 4.68 NTU
Cond	- 1248 µs/cm	1248 µs/cm	= RDG - 4.78 NTU
Turb	- 1.26 NTU	1.23 NTU	= LOT - A5022
pH pre	- 7.03/10.02 (29.7 °C)	7.03/10.03 (29.2 °C)	= Exp - 7/31
pH post	- 7.01/10.03	7.02/10.02	
		IDW - 4 gal	

SAMPLES

Sample #	Analysis	Preservative	Container	Lot	Lab
250703/1241B	VOA b+ 8260 LL	HCl/Ice	(3) 40 ml vials	2797	ALS
1242B	= (FB)	=	=	=	=
1243B	Low Level NDMA	Ice	(1) 1L Amber	01199013	SRL
1244B	= (FB)	=	=	=	=
1245B	1,4-Dioxane 8270D	=	(1) 250 ml Amber	102824 1GJ	ALS

Continued from page

Read and Understood By

MW 7.3.25 Date

B-212

Signed Date 7-3-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-3-25 Page 1 of 1

Sample Location: JGR-2-584

Analytical Requirement: B260LL; LL NDMA; 1,4 Dioxane 8270

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	B260LL	LL NDMA	1,4 Dioxane 8270					Charge Number
250703124113	3	A	X							XGMD
1242 B (FB)	3		X							
1243 B	1			X						
1244 B (FB)	1			X						
1245 B	1				X					

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	7-3-25 @ 1400		[signature]	7-7-25 / 0845

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Marcus Avalos + Robert Burrows present. Weather is partly cloudy + warm. This well will be purged + sampled using a Fluke system. Purge pressure set @ 265 psi + sample pressure set @ 244 psi. Bubbler set @ 3 psi + stable @ 7 psi. Zone will be purged every 15 min + a minimum of 4 gallons will be purged prior to sampling. Samples will be collected using a dedicated discharge hose. First 350 ml will be discarded.
Carboy G·3.

Pre Parameters		Parameters	Meter ID	
Time	250703 1213 B	250703 1248 B	pH/Cond	#16
pH	7.19	7.32	Turb	#6
Temp	22.4°C	24.2°C	= STD	4.68 NTU
Cond	1277 us/cm	1250 us/cm	= ROG	4.78 NTU
Turb	1.21 NTU	1.37 NTU	= LOT	A5022
pH pre	7.04/10.04 (24.4°C)	7.06/10.05 (28.8°C)	= EXP	7/31
pH post	7.03/10.05	7.05/10.05		
		IDW · 4 gal		

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250703 1250 B	VOA by 8260LL	HCl/Ice	(3) 40 ml vials	2797	ALS
—— 1251 B	= (FB)	=	=	=	=
—— 1252 B	Low Level NDMA	Ice	(1) 1L Amber	0119901J	SRI
—— 1253 B	= (FB)	=	=	=	=
—— 1254 B	1,4-Dioxane 8270D	=	(1) 250 ml Amber	102824GJ	ALS

Continued from page

Read and Understood By

MA 7.3.25

B-214

Ben Mumbe 7.3.25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/3/25 Page 1 of 1

Sample Location: JEB-2-684

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260C	AMINE	1,4-Dioxane					Charge Number
250703 1250 B	3	A	X							XGMD
1251 B (FB)	3		X							
1252 B	1			X						
1253 B (FB)	1			X						
1254 B	1				X					

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MA	7/3/25 @ 1400			7-7-25 / 0845

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

7/9/25

PROJECT JP-1-424 WJI ENV-0053

Notebook No. D32#138(C) 81

Continued from page N/A

Robert Burrows & Craig DelFerraro present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy GW in use.

Calibrations

DO sensor - calibrated in 100% saturation.
Cond sensor - " using 1413 us/cm std.
PH sensor - " " 4, 7, & 10 buffers.
Turb. sensor - " " 20 NTU Std.

Trip blanks - Water purification system

Sample	Analysis	Preservative	Container	Lot	Lab
250709074SC	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRL

Parameters(time)	temp(c)	cond(us/cm)	DO	ORP	PH	Turb(NTUs)	DTW(ft)
1) 250709 1400C	22.74	1086.80	7.28	38.3	7.55	0.73	419.41
2) ——— 1403C	22.80	1081.43	7.07	36.6	7.52	0.68	419.44
3) ——— 1406C	22.88	1075.20	6.89	40.8	7.51	0.62	419.41

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250709 1410C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2801	ALS
——— 1411C	" (FB)	"	"	"	"
——— 1412C	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRL
——— 1413C	" (FB)	"	"	"	"

Initial DTW: 419.39ft. Total gallons purged: 1.5

Continued from page N/A

Read and Understood By

Craig DelFerraro 7/9/25 B-216 Tom Mundy 7-10-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/9/25 Page 1 of 1

Sample Location: JP-1-424

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	LLNDMA9						Charge Number
250709 0745C (TB)	1	A		✓						XGMO
1410C	3	A	✓							"
1411C (FB)	3	A	✓							"
1412C	1	A		✓						"
1413C (FB)	1	A		✓						"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Torro	7/9/25/1445hrs.		[signature]	7-10-25 /0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

7/9/25

PROJECT JP-2-447 WJI ENV-0053

Notebook No. D32 #138(C)

Continued from page N/A

Robert Burrows & Craig Del Ferraro present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G2 in use.

Calibrations

DO sensor - calibrated in 100% saturation.
Cond. sensor - " using 1413 us/cm std.
PH sensor - " " 4, 7, & 10 buffers.
Turb. Sensor - " " 20 NTU Std.

Parameters (time)	temp (°c)	cond (us/cm)	PH	ORP	DO	Turb (NTU's)	DTW (Ft.)
1) 250709 1015C	23.18	1072.0	7.23	59.7	6.13	0.99	420.58
2) ——— 1018C	23.16	1081.3	7.23	60.2	5.97	0.80	420.58
3) ——— 1021C	23.26	1083.8	7.26	62.0	5.84	0.39	420.58

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250709 1025C	VOA by 8260LL	ice / HCL	(3) 40ml vials	2801	ALS
——— 1026C	" (FB)	"	"	"	"
——— 1027C	Low Level NDMA	ice	(1) 1L Amber	011990 1J	SRL
——— 1028C	" (FB)	"	"	"	"

Initial DTW: 420.51 Ft.

Total gallons purged: 1.5

Continued from page N/A

Read and Understood By

Craig Del Ferraro 7/9/25

Peter W Munch 7-10-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/9/25 Page 1 of 1

Sample Location: JP-2-447

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	Analytical Requirement: LLNDMA	Charge Number
250709 1025C	3	A	✓		XGMD
1026C (FB)	3	A	✓		"
1027C	1	A		✓	"
1028C (FB)	1	A		✓	"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig DelTorro	7/9/25/1055 hrs.		7-10-25 / 0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Robert Burrows & Craig DelFerraro present. Weather is clear & hot. This well will be purged using a dedicated bladder pump. Samples will be ~~completed using~~ collected using a teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G2 in use.

Calibrations
DO sensor - calibrated in 100% saturation.
Cond sensor - " using 1413 us/cm std.
PH sensor - " " 4, 7, & 10 buffers.
Turb. sensor - " " 20 NTU std.

Parameters (time)	temp (°C)	cond (us/cm)	PH	ORP	DO	Turb (NTU's)	DTW (ft)
1) 250707 1015C	22.49	1081.6	7.70	-26.7	N/A	1.85	~~N~~ N/A
2) ——— 1018C	22.50	1089.6	7.71	-26.7	"	1.60	"
3) ——— 1021C	22.67	1083.4	7.72	-26.8	"	1.50	"

Sample	Analysis	Samples Preservative	Container	Lot #	Lab
250707 1025C	VOA by 8260LL	ice/HCL	(3) 40ml vials	~~2797~~ 2801	ALS
——— 1026C	" (FB)	"	"	"	"
——— 1027C	Low Level NDMA	ice	(1) 1L Amber	011990IJ	SRI
* ——— 1028C	* " (M.S.) *	"	"	"	"
* ——— 1029C	* " (MSD) *	"	"	"	"
——— 1030C	" (FB)	"	"	"	"

Total gallons purged: 1.5

*Initial packer pressure = Ø psi. Packer system damaged and will not hold any pressure.

*Transducer removed from well - cannot record (or take) any kind of DTW.
*DO readings were very high and/or erratic. No readings collected.

Continued from page N/A

Read and Understood By

Craig DelFerraro 7/7/25 B-220 Ken Munck 7-8-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/7/25 Page 1 of 1

Sample Location: JP-3-509

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	Analytical Requirement: LLNDMA	Charge Number
250707 1025C		3	A	✓		XQMD
1026C (FB)		3	A	✓		"
1027C		1	A		✓	"
1028C (MS)		1	A		✓	"
1029C (MSD)		1	A		✓	"
1030C (FB)		1	A		✓	"

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Deltzeed	7/7/25 / 1100hrs.		Jon W Jemmett	7-9-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Robert Burrows & Craig Del Ferraro present. Weather is clear & hot. This well will be purged using a dedicated bladder pump. Samples will be collected using teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G2 in use.

Calibrations
DO sensor - calibrated in 100% saturation.
Cond. sensor - " using 1413 us/cm std.
PH sensor - " " 4, 7, & 10 buffers.
Turb. sensor - " " 20 NTU std.

Parameters (time)	temp (°c)	Cond (us/cm)	PH	ORP	Turb (NTUs)	DTW (Ft.)
1) 250707 1351C	22.56	1089.4	7.48	-33.9	1.47	N/A
2) ——— 1354C	22.62	1092.0	7.48	-34.4	1.35	"
3) ——— 1357C	22.72	1093.5	7.46	-34.8	1.31	"

Sample	Analysis	Samples Preservative	Container	Lot	Lab
250707 1400C	VOA by 8260LL	ice / HCL	(3) 40ml vials	2801	ALS
——— 1401C	" (FB)	"	"	"	"
——— 1402C	Low Level NDMA	ice	(1) 1L Amber	0119901J	SPL
——— 1403C	" (FB)	"	"	"	"

Total gallons purged: 2.5

- Packer cannot be inflated (damaged).
- No transducer in well - no DTW can be collected.
- DO readings were very high and erratic. No readings collected.

Continued from page N/A

Read and Understood By

Craig Del Ferraro 7/7/25 B-222 Peter Munch 7-8-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/7/25 Page 1 of 1

Sample Location: JP-3-689

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	Analytical Requirement: LLNDMA	Charge Number
250707/1400C	3	A	✓		XGMD
1401C (FB)	3	A	✓		"
1402C	1	A		✓	"
1403C (FB)	1	A		✓	"

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig DelFerro	7/7/25/1440hrs.		[signature]	7-9-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Field Measures & Various Analyses Present. These samples will be taken from a sampling port that proceeds the flow meter. Carboy "Plume Front".

Parameters	Meter ID	Buffers	Lot #	Exp
Time-250718 0730	pH/cond-Plume Front		310732	9/26
pH- 7.23	Turb-Plume Front 10		783411	9/25
Temp- 22.5°C	" STD- 9.69			
Cond- 1088 µS/cm	" RDG- 9.70			
Turb- 1.02	" Lot # N/A			
pH Pre-7.02/4.00 (25.2°)	" Exp- 7/31/25			
pH Post-7.04/10.04				

Samples

Sample #	Analysis	Pres	Lot #	LAB CONT
250718 0731	VOA by 8260	ICE & HCl	N/A	A/S (3) 40mL vial
— 0732	" (FB)	"	"	"
— 0733	NDMA/NMN/Dioxane 1,4	"	"	SWRI (1) Lt-amber
— 0734	Total Metals	"	"	A/S (2) 125mL poly
— 0735	Anions/Alk	"	"	" " "
— 0736	TDS	"	"	" (1) 250mL poly
— 0737	Perchlorate	"	"	" (1) 125mL poly
— 0738	NO2/NO3	ICE/H2SO4	"	" " "

Continued from page N/A

Read and Understood By

Signed — Date 7-18-2025 — Signed — Date 7-18-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-18-2025 Page 1 of 1

Sample Location: MPE-3

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMNP/BROMACIL by LOW LEVEL NDMA	TOTAL METALS	ANIONS/ALK	TDS SM2540C	Charge Number
Pertinent Notes (if any)									XGMD
250718 0731	3	A	X						
— 0732 (FB)	3	A	X						
— 0733	1	A			X				
— 0734	2	A				X			
— 0735	2	A					X		
— 0736	1	A						X	

Sample Location:

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 6850	NO_2/NO_3 353.2	SVOA-SIM 1,4 DIOXANE 8270	Charge Number
Pertinent Notes (if any)						XGMD
250718 0737	1	A	X			
— 0738	1	A		X		

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	7-18-25 (0900)	[signature]	7-21-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Gallegos & Marcus Avalos present. Those samples will be taken from a sampling port that proceeds the flow meter/carboy "Pine front"

Parameters	Meter ID	Buffers	LOT #	Exp
Time 250716/1230	Ph/Cond - Pine front #7		910732	9/24
Ph - 7.03	Turb - Pine front 10		783411	8/25
Temp - 27.2°C	" STD - 9.69			
cond - 1218 uS/cm	" RPG - 9.70			
Turb - 2.42 NTUs	" LOT # - N/A			
Ph pre - 7.02/10.04 (26.2°)	Exp - 7/31/26			
Ph post - 7.00/10.02				

Samples

Sample #	Analysis	Pres	Lot #	Lab Cont
250716/1231	VOA by 8260	ICE & HCl	N/A	Als (3) 40 mL vial
— 1232	" (FB)	"	"	" "
— 1233	NWMA/DMN/Bromacil	ICE	"	SWRI (1) Liter amber
— 1234	Total metals	"	"	Als (2) 125 mL poly
— 1235	Anions/NH4	"	"	" "
— 1236	TDS	"	"	(1) ~~250~~ mL poly
— 1237	Perchlorate	"	"	(1) 125 mL poly
— 1238	NO2/NO3	ICE/H2SO4	"	" "

Continued from page N/A

Read and Understood By

Signed — Date 7-16-25 — B-226

Signed — Date 7-16-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-16-25 Page 1 of 2

Sample Location: ~~PFE-7~~ MPE-4

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMNJ/BROMACIL 607 LOW LEVEL NDMA	TOTAL METALS	ANIONS/ALK	TDS SM2540C	Charge Number
250716 1231	3	A	X						XGMD
— 1232 (FB)	3	A	X						
— 1233	1	A			X				
— 1234	2	A				X			
— 1235	2	A					X		
— 1236	1	A						X	
—									

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 6850	NO_2/NO_3 353.2	SVOA-SIM 1,4 DIOXANE 8270					Charge Number
250716 1237	1	A	X							XGMD
1238	1	A		X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	7-16-25 (1320)		[signature]	7-17-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Gallegos & Mateus Avalos present. These samples will be purged and taken using a dedicated sampling port. "Cowboy" Pine Front"

References	Meter ID	Buffers	Lot #	Exp
Time-250714 0915	pH/cond-Pine Front 7	CC	~~218735~~ ~~278795~~	9/25
pH - 7.39	Turb-Pine Front 10	CC	783411	8/25
Temp - 27.1°C	--- SAL - 9.69			
cond - 1012 uS/cm	"RDG - 9.72			
Turb - 0.61 NTUs	"LOT # - N/A			
pH pre - 7.02/1004 (23.2°C)	"Exp 7/31/25			
pH post - 7.04/10.02				

Samples

Sample #	Analysis	Pres	Lot #	Lab Contact
250714 0916	VOAby8260	ICE & HCl	N/A	ALS Chemical Kelso
— 0917	" (FB)	"	"	" "
— 0918	NO3NA/SMN/Br/10 by 607	ICE	"	SWAI Client number

Continued from page N/A

Read and Understood By

Signed — Date 7-14-25 — B-228 — Signed — Date 7-14-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-14-25 Page 1 of 1

Sample Location: PFE-1

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/607 BROMACIL LOW LEVEL NDMA	TOTAL METALS ANIONS/ALK	TDS SM2540C	Charge Number
2507140916	3	A	x					XGMD
0917 (FB)	3	A	x					"
0918	1	A			x			"

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 6850	NO2/NO3 353.2	SVOA-SIM 8270 1,4 DIOXANE					Charge Number
										XGMD

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	7-14-25 (1010)		[signature]	7-15-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Frank Collegos & Marcus present. These samples will be pulled and taken using a dedicated sampling port. Cowboy "Pine front"

Parameters	Meter ID	Buffers	Lot #	Exp
Time - 250714 0830	pH/cond - Pine front		810732	9/26
pH - 7.25	Turb - Pine front 10		783411	8/26
Temp - 27.1°C	STD - 9.69			
Cond - 1034 µS/cm	RDG - 9.72			
Turb - 0.57 NTUs	LOT # N/A			
pH pre - 7.02/10.02 (25.6°C)	Exp 7/31/25			
pH post - 7.04/10.04				

Samples

Sample #	Analysis	Pres	COT #	LAB	Cont
250714 0931	VOA 8260	ICE/HCl	N/A	ACS	(3) 40 mL VOA
—— 0932	" (Dup)	"	"	"	"
—— 0933	" (FB)	"	"	"	"
—— 0934	NonAldm N/Br 8260	ICE	"	SWRI	(1) 4 oz jar
—— 0935	" (Dup)	"	"	"	"
—— 0936	TOTAL Metals	ICE/HNO3	"	ACS	(1) 125 mL poly
—— 0937	Anions/Alk	ICE	"	"	"
—— 0938	TDS	ICE	"	"	(1) 125 mL poly
—— 0939	Perchlorate	ICE	"	"	(1) "
—— 0940	NO2/NO3	ICE/HNO3	"	"	(1) 250 mL poly

Continued from page N/A

Read and Understood By

7-14-25

Signed

7-14-25

Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-14-25 Page 1 of 1

Sample Location: PFE-2

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/BROMACIL LOW LEVEL NDMA 607	TOTAL METALS ANIONS/ALK	TDS SM2540C	Charge Number
Pertinent Notes (if any)								XGMD
250714 0931	3	A	x					"
0932 (Dup)	3	A	x					"
0933 (FB)	3	A	x					"
0934	1	A			x			"
0935 (Dup)	1	A			x			"
0936 0937	2	A				x	x	"
0938	1	A					x	"

Sample Location:

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 16850	NO2/NO3 353.2	SVOA-SIM 1,4 DIOXANE 8270	Charge Number
Pertinent Notes (if any)						XGMD
250714 0939	1	A	x			"
0940	1	A		x		"

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	7-14-25 (1010)		7-15-25 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

From well 6 (Keyed) & Malone Analog Present. These samples will be purged and taken by using a dedicated sampling port. Carboy "Pine Front"

Parameters	Meter ID	Buffers	Lot #	Exp
Time - 250715 0920	pH/cond - Pine Front	7 -	810732	9/26
pH - 7.15	Turb - Pine Front	10	783411	8/25
Temp - 25.4°C	" STD - 9.69			
Cond - 1032 µS/cm	" RDG - 9.69			
Turb - 0.31 NTUs	" Lot # N/A			
pH Pre - 7.02/-0.04 (24.6°C) Exp 7/31/25				
pH Post - 7.04/-0.05				

Samples

Sample #	Analysis per	Lot #	Lab	Cont
250715 0925	VOAs by 5760 ICE & HCl	N/A	ALS	(3) 40mL vials
— 0926	" (FB) "	"	"	"
— 0927	NONAIDs NB's by 600 ICE	"	SUB	(1) 4L - Nalgene
~~Non Dom NB's by 600 ICE~~				

Continued from page N/A

Read and Understood By

Signed 7-15-25 Date

B-232

Signed 7-15-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-15-25 Page 1 of 3

Sample Location: PFE-3

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/1,4 Dioxane BROMACIL 607 Low Level NDMA	Total Metals	Anions / ALK	TDS SM2540C	Charge Number
250715 0925	3	A	x						XGMD
— 0926 (FB)	3	A	x						"
— 0927	1	A			x				"

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Perchlorate 6850	NO2/NO3 353.2	SVOA-SIM 1,4 Dioxane 8270					Charge Number
										XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	7-15-25 (1010)	[signature]	7-16-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

From K Gallegos & Molonis Arcos present. These samples will be purged and taken using a dedicated sampling pump. Cowboy "Pine front".

Parameter	Meter/ID	Buffers	Lot #	Exp
Time-250715 0940	pH/cond-Pinnacle		810732	4/25
pH- 7.35	Turb-Pinnacle 10		783411	8/25
Temp- 26.8°C	STD-9.69			
cond-1026 ms/cm	RDG-9.69			
Turb-1.81 NTUs	Lot #-N/A			
pH Pre-7.02/10.04 (25.4°C)	Exp-7/31/25			
pH post-7.04/10.06				

Samples

Sample #	Analysis	Pres	Lot #	Lab Cont
250715 0941	VOA by 8260	ICE HCl	N/A	ALS (-) 40 mL Vial
← 0942	(FB)	"	"	" "
← 0943	NDMA IDMN by 607	ICE	"	500 mL (1) Ct amber
← 0944	LC NDMA	"	"	" "
← 0945	(FB)	"	"	" "

Continued from page N/A

Read and Understood By

K Gallegos 7-15-25 Signed Date

B-234

Ron W Munck 7-15-25 Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-15-25 Page _____ of _____

Sample Location: PFE-4A

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	VOA 8260	LL-VOA 8260LL	NDMA/DMNP/1,4 BROMACIL LOW LEVEL NDMA	TOTAL METALS ANIONS / ALK	TDS SM2540C	Charge Number
350715 0941	3	A	X					XGMD
0942 (FB)	3	A	X					
0943	1	A			X			
0944	1	A				X		
0945 (FB)	1	A				X		

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	PERCHLORATE 6850	NO_2/NO_3 353.2	SVOA-SIM 1,4 DIOXANE 8270					Charge Number
										XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	7-15-25 (1010)	[signature]	7-16-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

From K Gallegos Emerald Avalos present. These samples will be pulled and taken by using a dedicated sampling port c-(boy "Blue front"

Reference loss	meter ID	Buffers	Lot #	exp
~~Time~~-250714090	Ph/cond-Blue front 7		810732	9/25
Ph-7.48	TURB-Blue front 10		783411	8/25
TEMP- 24.6°C	STD- 9.67			
cond- 1125 uS/cm	RDG- 9.72			
TURB- ~~1.72~~ 1.72 NTUs	LOT# - N/A			
Ph Pre -7.02/10.04 (22.48)	Exp - 7/31/25			
Ph post - 7.04/10.06				

Sample #	Analysis	Samples Pres	Lot #	LAB cont
250714090	VOAs 8260	ICE HCl	N/A	ALS (5) 40 mL Vial
0902	" (DUP)	"	"	"
0903	" (FB)	"	"	"
0904	NO3 NA/DMW/8260	ICE	"	500 mL (1) Lt-amber

Continued from page N/A

Read and Understood By

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WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-14-25 Page 1 of 1

Sample Location: PFE-5

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/BROMACIL 607 Low Level NDMA	TOTAL METALS	ANIONS / ALK	TDS SM2540C	Charge Number
250714 0901	3	A	x						XGMD
0902 (Dup)	3	A	x						
0903 (FB)	3	A	x						
0904	1	A			x				

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 16850	NO2/NO3 353.2	SVOA-SIM 8270 1,4 DIOXANE					Charge Number
										XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	7-14-25 (1010)		7-15-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

From V Gallegos at Marcus Arelos Property. These samples will be pursed and taken by using a dedicated sampling port. Call boy "Pipe Port"

Parameters	Meter ID	Buffers	LOT#	Exp
Time - 250715 0900	pH/cond - Pipe front		810752	1/26
RL - 7.27	Turb - Pipe front		783414	8/25
Temp - 26.4°C	STD - 9.69			
Cond - 1015 uS/cm	RDG - 9.69			
Turb - 0.28 NTUs	LOT# N/A			
Ph Pre - 7.02 / 10.00 (25.2°)	Exp 7/31/25			
Ph Post - 7.04 / 10.02				

Samples

Sample #	Analysis	Pres	LOT #	LAB cont
250715 0901	VOA 8260C	ICE HCl	N/A	ALS (Kelso)
— 0902	" (FB)	"	"	"
— 0903	NDMA 1,4 Dioxane 8270E	ICE	"	Sample ID Lt number
— 0904	LL NDMA	"	"	"
— 0905	" (FB)	"	"	"

Continued from page N/A

Read and Understood By

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WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-15-25 Page 1 of 1

Sample Location: RFE-7

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMNP/BROMACIL 607	Low Level NDMA	Total Metals	Anions/Alk	TDS SM2540C	Charge Number
250715 0901	3	A	x							XGMD
0902 (FB)	3	A	x							"
0903	1	A			x					"
0904	1	A				x				"
0905 (FB)	1	A				x				"

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Perchlorate 16850	NO_2/NO_3 353.2	SVOA-SIM 8270 1,4 Dioxane					Charge Number
										XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	7-15-25 (1010)		7-16-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Robert Burrows & Craig Del Ferraro present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G2 in use.

Calibrations

DO sensor - calibrated in 100% saturation.
Cond. sensor - " using 1413us/cm std.
PH sensor - " " 4, 7, & 10 buffers.
Turb. sensor - " " 20 NTU std.

Trip blanks - Water purification system

Sample	Analysis	Preservative	Container	Lot	Lab
250710 0740C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2583	ALS
——— 0741C	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Parameters (time)	temp (°C)	cond (us/cm)	DO	ORP	PH	Turb (NTU)	DTW (ft)
1) 250710 0920C	22.38	1011.42	8.70	40.3	7.86	0.88	491.55
2) ——— 0923C	22.41	1021.06	8.23	42.1	7.81	0.64	491.55
3) ——— 0926C	22.49	1024.34	7.82	44.7	7.78	0.69	491.55

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250710 0930C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2801	ALS
——— 0931C	" (Dupl.)	"	"	"	"
——— 0932C	" (FB)	"	"	"	"
——— 0933C	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI
——— 0934C	" (FB)	"	"	"	"
——— 0935C	" (BC)	"	"	25GD49A	"

Initial DTW: 491.50ft. Total gallons purged: 1.5

Continued from page N/A

Read and Understood By

Craig Del Ferro 7/10/25 Ron Munck 7-14-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/10/25 Page 1 of 1

Sample Location: PL-1-486

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	Analytical Requirement: LLNDMA	Charge Number
250710 0740C (TB)	3	A	✓		XGMD
0741C (TB)	1	A		✓	"
0930C	3	A	✓		"
0931C (Dupl.)	3	A	✓		"
0932C (FB)	3	A	✓		"
0933C	1	A		✓	"
0934C (FB)	1	A		✓	"

Sample Location: PL-1-486

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LLNDMA	Charge Number
2507100935C (BC)	1	A	✓	XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig Del Fiemo	7/10/25 / 1020hrs.	[signature]	7-14-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

WSTF 381C (05/2016)

Al Montes & Craig Del Ferraro present. Weather is cloudy & warm. This zone will be sampled using 5 triple rinsed, stainless steel sample tubes. Gen. in use. Probe # 1539. Surface checks performed on probe prior to sampling.

30 Min. Equipment blanks - Carboy #3

Sample	Analysis	Preservative	Container	Lot	Lab
250701 1020y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 1021y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Initial Parameters
Time - 250701 1315y
PH - 8.07
Temp - 24.5°C
Cond - 1247 us/cm
Turb - 0.71 NTU's
pH pre - 7.01/10.03 (27.7°C)
pH post - 6.99/10.03
DTW - 476.08 ft.
Atmos - 12.57 psia

Final
Time - 250701 1415y
PH - 8.13
Temp - 24.8°C
Cond - 1256 us/cm
Turb - 0.60 NTU's
pH pre - 6.97/9.98 (31.2°C)
pH post - 6.96/9.98
DTW - 476.15 ft.
Atmos - 12.56 psia
IDW - 1/2 gal.

Meter ID
pH/Cond - 18
Turb - 7
" Std - 54.1 NTU
" rdg - 53.3 NTU
" lot - A5022
" Exp - 7/31/25

Buffers	Lot	Exp
7	CC810372	9/26
10	CC806765	7/26

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250701 1345y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 1346y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Runs	1)	2)	3)
	47.69	47.65	47.62
	53.40	53.39	53.36
	53.40	53.40	53.39
	47.68	47.62	47.62

Continued from page N/A

Craig Del Ferro 7/1/25
Signed

Read and Understood By
B-242 Peter W Munch 7-2-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/1/25 Page 1 of 1

Sample Location: PL-6-545

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA	Charge Number
250701 1020Y (EB)	3	A	✓		XGMD
1021Y (EB)	1	A		✓	"
1345Y	3	A	✓		"
1346Y	1	A		✓	"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig Del Toro	7/1/25 / 1440 hrs.	[signature]	7-2-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

PROJECT PL-6-725 WJI ENV-0020 7/1/25

Notebook No. DC4 #134 (y)

Continued from page N/A

Al Montes & Craig DelFerraro present. Weather is cloudy & warm. this zone will be sampled using 5 steam cleaned & triple rinsed, stainless steel sample tubes. Gen. in use. Probe #1539. Surface checks performed on probe.

30 Min. Equipment blanks - Carboy G3

Sample	Analysis	Preservative	Container	Lot	Lab
250701084oy	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 0841y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Initial Parameters

Time - 250701091Sy
PH - 7.91
Temp - 23.8°C
Cond - 1222 us/cm
Turb - 1.51 NTU's
pH pre - 7.05/10.03 (22.7°C)
pH post - 7.05/10.02
DTW - 475.95ft
Atmos - 12.59 psia

Final

Time - 250701094Sy
PH - 7.98
Temp - 23.5°C
Cond - 1236 us/cm
Turb - 1.64 NTU's
pH pre - 7.05/10.02 (23.1°C)
pH post - 7.04/10.02
DTW - 476.08ft
Atmos - 12.60 psia
IDW - 1/2 gal.

Meter ID

pH/Cond - 18
Turb - 7
" Std - 54.1 NTU's
" rdg - 53.3 NTU's
" lot - A5022
" Exp - 7/31/25

Buffers	Lot	Exp
7	CC810372	9/26
10	CC806765	7/26

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250701094Sy	VOA by 8260LL	ice/HCL	(3) 40ml vials	2797	ALS
——— 0946y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Runs

1)	2)
126.33	126.30
132.36	132.37
132.33	132.36
126.33	126.27

Continued from page N/A

Read and Understood By

Craig DelFerraro 7/1/25 B-244 Peter Nemeth 7-2-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7/1/25 Page 1 of 1

Sample Location: PL-6-725

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LLNDMA	Charge Number
250701 0840Y (EB)	3	A	✓		XGMD
0841Y (EB)	1	A		✓	"
0945Y	3	A	✓		"
0946Y	1	A		✓	"

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig Del Tecco	7/1/25 / 1110 hrs.	[signature]	7-2-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Marcus Avalos & Al Montes present. Weather is cloudy & cool. This zone will be sampled using 2 steam cleaned & triple rinsed, stainless steel sample tubes. Gen in use Probe #4951. Surface checks performed on probe prior to sampling.

30-Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250702 1345 Y	VOA by 8260LL	HCl/Ice	(3) 40 ml vials	2797	ALS
—— 1346 Y	Low Level NDMA	Ice	(1) 1L Amber	0119901J	SRL

Initial Parameters		Final		Meter ID	
Time	250702 1415 Y	250702 1530 Y		PH/Cond	18
PH	7.74	7.68		Turb	7
Temp	24.5 °C	24.7 °C		= STD	54.1 NTU
Cond	1380 uS/cm	1343 uS/cm		= ROG	53.3 NTU
Turb	4.56 NTU	3.72 NTU		= LOT	A5022
PH pre	7.03 / 10.02 (27.5 °C)	7.02 / 10.04 (28.1 °C)		= EXP	7/31/25
PH post	7.02 / 10.03	7.03 / 10.03			
DTW	472.68'	472.75'			
Atmos	12.49 psia	12.50 psia			
		IDW - 0.5 gal			

Buffers	lot	Exp
7	CC810372	9/26
10	CC806765	7/26

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250702 1450 Y	VOA by 8260LL	HCl/Ice	(3) 40 ml vials	2797	ALS
—— 1451 Y	Low Level NDMA	Ice	(1) 1L Amber	0119901J	SRL
—— 1525 Y	1,4-Dioxane 8270D	"	(1) 250 ml Amber	102824	ALS

Runs	1)	2)	3)
	20.42	20.40	20.39
	19.92	19.95	19.88
	19.92	19.93	19.90
	20.43	20.42	20.40

Continued from page

Read and Understood By

MA 7.2.25

7-3-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.2.25 Page 1 of 1

Sample Location: PL-10-484

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL 2DMA	1,4 D-oxane					Charge Number
250702 1345 Y (EB)	3	A	X							XGMD
1346 Y (EB)	1	|		X						|
1450 Y	3	|	X							|
1451 Y	1	|		X						|
1525 Y	1	|			X					|

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	7.2.25 @ 1505		[signature]	7-3-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

PROJECT P1·10·592 WSI ENV·0020 7/2/25

Notebook No. DG4 # 134(Y)

Continued from page NA

Marcus Avalos & Al Montes present. Weather is cloudy & warm. This zone will be sampled using 2 steam cleaned & triple rinsed, stainless steel sample tubes. Gen in use. Probe #4951. Surfaces checks performed on probe prior to sampling.

Trip Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250702074SY	VOA by 8260LL	HCl/Ice	(3) 40ml vials	2797	ALS
—— 0746Y	Low Level NDMA	Ice	(1) 1L Amber	01199015	SRI

30. Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250702084SY	VOA by 8260LL	HCl/Ice	(3) 40ml vials	2797	ALS
—— 0846Y	Low Level NDMA	Ice	(1) 1L Amber	01199015	SRI

Initial Parameters		Final		Meter ID	
Time	250702093SY	250702105OY		pH/Cond	18
pH	7.62	7.94		Turb	7
Temp	24.0°C	24.2°C		= STD	54.1 NTU
Cond	1309 µS/cm	1322 µS/cm		= DOG	53.3 NTU
Turb	1.37 NTU	2.76 NTU		= LOT	A5022
pH pre	7.01/10.02 (21.8°C)	7.03/10.01 (22.2°C)		= EXP	7/31/25
pH post	7.02/10.03	7.01/10.04			
DTW	472.57	472.68			
P_{BMOS}	12.50 psia	12.47 psia			
		IDW - 0.5 gal			

Buffers	lot	Exp
7	CC810372	9/26
10	CC804765	7/26

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250702164OY	VOA by 8260LL	HCl/Ice	(3) 40ml vials	2797	ALS
—— 1641Y	Low Level NDMA	Ice	(1) 1L Amber	01199015	SRI
—— 1642Y	1,4-Dioxane 8270D	=	(1) 250ml Amber	102824	ALS

Runs 1) (67.29 2) 67.34
66.69 66.68
66.68 66.69
67.30 67.32

Continued from page

Read and Understood By

MA MA 7.2.25

Jon Munde 7-3-25

Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.2.25 Page 1 of 1

Sample Location: PL-10-SG2

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	LL8260	LL2540	1,4-Dioxane					Charge Number
250702074SY (TB)	3	A	X							XGMD
0746Y (TB)	1	|		X						|
0845Y (EB)	3	|	X							|
0846Y (EB)	1	|		X						|
1040Y	3	|	X							|
1041Y	1	|		X						|
1042Y	1	↓			X					↓

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	7.2.25 @ 1110			7-3-25 / 0830

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

ROBERT BURNAM & TONY TAYLOR PRESENT. THE WEATHER IS OVERCAST & WARM. THIS WELL WILL BE PURGED USING A FLUTE SYSTEM. SAMPLES COLLECTED FROM A DEDICATED TEFLON DISCHARGE TUBE. PURGE PRESSURE 22# SAMPLE PRESSURE 20 PSI. BUBBLER SET @ 5 PSI, & STABLE @ 5.5 PSI. 4 GALLON MIN WILL BE PURGED PRIOR TO SAMPLING. THE FIRST 3 TOM'S WILL BE DISCARDED. THIS ZONE ISN'T PRODUCING VERY MUCH WATER PER PURGE. CANARY G-2

PRE PARAM's		INITIAL PARAM's	METER ID's
250701 1230 B		1305 B	pH/COND # 18
pH	7.75	7.80	TURB # 8
TEMP	21.5	21.7	" STD 9.26
COND	1095 µs/	1095 µs/	" RDG 9.86
TURB	0.62	0.54	" LOT # A 30222
pHpre	7.01/10.00 (21.0°)	7.01/10.02	" EXP 7/31
pHpost	7.00/10.01	7.00/10.01	

TRIP BLANKS

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250701 0730 B	8260 ((	ICE/HCl	(3) 40 ML VIALS	ALS
—— 0731 B	((NIOMA	ICE	((	SRL

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250701 1310 B	8260 ((	ICE/HCl	(3) 40 ML VIALS	ALS
—— 1311 B	(((FB)	((	((	((
—— 1312 B	((NIOMA	ICE	(1) 1 LITER AMBER	SRL
—— 1313 B	(((FB)	((	((	((
—— 1314 B	(((Dup)	((	((	((

*NOTE THIS ZONE ISN'T PRODUCING THE VOLUME LIKE THE BOTTOM 2 ZONES. IT IS ACTING LIKE THE ZONE IS DRYING UP. PERHAPS WE'LL BE ONCE THE BOTTOM 2 ZONES ARE READY TO SAMPLE, THE THIRD ZONE WILL BE SAMPLED. GAS BREAKING AT 150 PSI

Continued from page

Read and Understood By

T-[illegible] 7-1-25 B-250 Ron Munck 7-2-25

Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 5-7-544 Page 1 of 1

Sample Location: 7-1-25

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	8260	CLND4						Charge Number
											XGMD
250701 0700B (TB)		3	A	X							
0701B (TB)		1			X						
1310B		3		X							
1311B (FB)		3		X							
1312B		1			X						
1313B (FB)		1			X						
1314B (Dup)		1			X						

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T. [illegible]	7-1-25 / 1430		[illegible]	7-2-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

ROBERT BURROWS & TONY TORRES PRESENT. THE WEATHER IS OVERCAST & WARM. THIS ZONE WILL BE PURGED USING A FLUTE SYSTEM. SAMPLE PRESSURE 228 PSI & PURGE PRESSURE SET @ 228 PSI. SAMPLES COLLECTED FROM A TEFLON DISCHARGE TUBE. BUBBLER SET @ 3 PSI & STABLE @ 3.5 PSI. 4 GALLONS WERE PURGED THE FIRST 3 SAMPLES WILL BE DISCARDED. CAN by 6.2

PRE PARAMS		PARAMS	METER ID's
250701	1150B	250701 1220B	pH/cond # 18
pH	8.12	8.09	Temp # 8
Temp	23.7°C	23.5	11 STD = 8.26
Cond	1181	1185	11 STD = 9.86
Turb	0.51	0.59	11 BOT # A5022
pH PRE	7.01/10.02 (23.1)	7.01/10.00 23.0)	" Exp: 7/31
pH POST	7.20/10.02	7.02/10.00	

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250701 1221B	8260 (C	ICE HCl	(3) 40 ml VIALS	ALS
— 1222B	" (FIS)	"	"	"
— 1223B	" (NAPHTHALENE	ICE	(1) CLEAR AMBER	SAI
— 1224B	" (FIS)	"	"	"

ABOUT 1 LITER PER PURGE. GAS BUBBLES @ 150 PSI BUT I DOUBT ANYONE CARES WHO READS THIS.

Continued from page

Read and Understood By

Signed _____ Date 7-1-25 Signed _____ Date 7-2-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-1-25 Page 1 of 1

Sample Location: ST-7-778

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260 (C)	(C) D2 M4						Charge Number
										XGMD
250701 1221B	3	A	X							
1222B (FB)	3		X							
1223B	1			X						
1224B (FB)	1			X						

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T-[illegible]	7-1-25/1430		[signature]	7-2-25 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

ROBERT BURROWS & TONY TORREZ PRESENT. THE WEATHER IS OVERCAST & WARM. THIS ZONE WILL BE SAMPLED USING A FLUTE SYSTEM WITH DEDICATED TEFLON DISCHARGE TUBE. PURGE PRESSURE 228 PSI & SAMPLE PRESSURE 207 PSI BUBBLER SET @ 3 PSI & STABLE @ 5.5 PSI. THE FIRST 350 mls WILL BE DISCARDED, 4 GALLONS MIN WILL BE PURGED CARBOY 6-2

	PRE PARAMS	INITIAL PARAMS	METER IN's
	250701104SB	250701111SB	pH/cond # 92
pH	7.13	7.12	Turb # 8
Temp	22.4	22.3	" STD = 9.26
Cond	901	896	" Mg = 9.86
Turb	0.41	0.49	" Cr # AS022
pH PRE	7.00/10.01 (2	7.00/10.00	" Exp = 7/31
pH POST	7.01/10.02	7.01/10.01	

Samples

SAMPLE #	ANALYSIS	PRESERV	CONT	CAL
250701112SB	8260 (VOA)	ICE/HCl	(3) 40 ml VIALS	ALS
—— 1121B	" (FB)	"	"	"
—— 1122B	(NO)3 mA	ICE	(1) 1L AMBER	SRI
—— 1123B	" (FB)	"	"	"

Continued from page

Read and Understood By

T. S. 7-1-25 Signed Date

Paul Munch 7-2-25 Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7-1-25 Page 1 of 1

Sample Location: ST-7-SB

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260C	Analytical Requirement: 624.1m4						Charge Number
										XGMD
250701 112013	3	A	X							
— 112113	3	|	X							
— 112213	1	|		X						
— 112313	1	—		X						

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T-JB	7-1-25/1430		[signature]	7-2-25 / 0820

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

AL MONTES & TONY TORRES PRESENT. THE WEATHER IS CLEAR & WARM. PURGE
This WELL will be purged & sampled using A FLUTE System. Purge
224psi & Sample pressure 20 3psi. 4 gallons purged. The first 3 Tbgls
of sample discarded. Bubblers SET@ 5psi & STABLE @ 2psi Carboy 6-1

	PRE PARAM's	PARAM's	METER ID
	250707 1045 B	250707 1115 B	pH/Cond 16
pH	7.24	7.27	Thrm 6
Temp	24.4	25.5	Std = 4.68
Cond	1295	1310	Rdg = 4.80
Thrm	0.44	0.47	LOT# = A050
phone	7.00/4.00 (586)	6.95/10.00 (364)	Exp = 7/31
phone	7.01/10.00	6.95/10.00	

TRIP BLANKS / SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250707 1120 B	8260 (11)	ICE/HCl	(3) 40 mL VIALS	ALS
1121 B	" (FB)	"	"	"
1122 B	(11 NAPHA	ICE	(1) LITER AMBER	SPL
1123 B	" (FB)	"	"	"

TRIP BLANKS

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250707 0730 B	8260 (11)	ICE/HCl	(3) 40 mL VIALS	ALS
0731 B	(11 NAPHA	ICE	(1) LITER AMBER	SPL

Continued from page

Read and Understood By

T. D 7.7.25 Paul Munde 7-8-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.7.25 Page 1 of 1

Sample Location: WW-5-459

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	Analytical Requirement: LL 2AMA						Charge Number
250707 1120B		3	A	X							XGMD
1121B (FB)		3		X							
1122B		1			X						
1123B (FB)		1			X						
250707 0731B (TB)		1	A		X						
250707 0830B (TB)		3	A	X							

Sample Location: WW-5-579

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	Analytical Requirement: LL 2AMA						Charge Number
250707 1145B		3	A	X							XGMD
1146B (FB)		3		X							
1147B		1			X						
1148B (FB)		1			X						
1149B (Dup)		1			X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	7.7.25			7-9-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

AL MONITOR & TONY TORREZ PRESENT. THIS WELL WAS PURGED & SAMPLED WITH A FLUTE SYSTEM. THE WEATHER IS CLEAR & WARM. PURGE PRESSURE 22 PSI & SAMPLE PRESSURE @ 20 PSI. 4 GALLONS PURGED. THE FIRST 3 TUBES DISCARDED BUBBLE SET @ 8 PSI & STABLE @ 7 PSI Carboy 6-7

PRE PARAMS	PARAMS	METER ID's
250707 1110B	250707 1140B	pH/Cond = 16
pH 7.36a	7.40	Turb = 6
Temp 23.2	23.8	" SAL = 4.6
Cond 1180 µs/cm	1208	" Rdg = 4.80
Turb 0.43	0.43	" Cell = A500
phpre 7.01/10.03(36.5)	7.00/10.00 (35.9)	" Exp = 7/31
phpost 7.00/10.00	7.00/1000	

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250707 1145B	8260 W	ICE/HCl	(3) 40 mL VIALS	ALS
1146B	"	"	"	"
1147B	LLNO3A	ICE	(1) LT Amber	SNL
1148B	" (FB)	"	"	"
1149B	" (Dup)	"	"	"

Continued from page

Read and Understood By

T A Signed 7.7.25 Date

Tom W Munch Signed 7-8-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.7.25 Page 1 of 1

Sample Location: WW.5.459

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	LL 82660	LJ 2AMA						Charge Number
											XGMD
250707 1120B		3	A	X							
1121B (FB)		3		X							
1122B		1			X						
1123B (FB)		1			X						
250707 0731B (TB)		1	A		X						
250707 0830B (TB)		3	A	X							

Sample Location: WW.5.579

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	LL 82660	LJ 2AMA						Charge Number
											XGMD
250707 1145B		3	A	X							
1146B (FB)		3		X							
1147B		1			X						
1148B (FB)		1			X						
1149B (Dup)		1			X						

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	7.7.25		7-9-25 / 0800

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

PROJECT GW-5.809 ENV.0110

Notebook No. D52#137(5)

Continued from page

AL MONTES & TONY TORRES PRESENT. THE WEATHER IS CLEAR & HOT. THIS WELL WILL BE SAMPLED WITH A FLUTE SYSTEM. PURGE PRESSURE 22#, SAMPLE PRESSURE 20#PSI. 4½ GALLONS PURGED. FIRST 350 mls DISCARDED. BUBBLER SET @ 3PSI & STABLE @ 7PSI, CAL by 6.1

PARAM's PRE	PARAMS	METER IDs
250709 1030B	250709 1100B	pH/cond #16
pH 8.43	8.53	Turb # 6
Temp 28.1	27.6°C	" STD 4.68
Cond 1114	1101	" Rdg 4.57
Turb 2.26	2.25	" 6.7# 45882
phpost 7.01/10.07	7.00/10.00	" Temp 7/51
ph pre 7.00/10.00	7.01/10.01	

SAMPLES

Sample #	Analysis	Preservative	Cont	Lab
250709 1105B	8260M	ICE/HCl	(3) 40 mLvials	ALS
—— 1106B	" (FB)	"	"	"
—— 1107B	UNOMA	ICE	(1) 1L Amber	SRL
—— 1108B	" (FB)	"	"	"

Continued from page

Read and Understood By

T C D — Signed — 7.9.25 Date

B-260

Signed — 7-10-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.9.25 Page 1 of 1

Sample Location: WW.5.809

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	Analytical Requirement: LL NDMA						Charge Number: XGMD
250709 1105B	3	A	X							
1106B (FB)	3	A	X							
1107B	1	A		X						
1108B (FB)	1	A		X						
~~250709~~										

Sample Location: WW.5.909

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	Analytical Requirement: LL NDMA						Charge Number: XGMD
250709 1125B	3	A	X							
1126B (FB)	3	A	X							
1127B	1	A		X						
1128B (FB)	1	A		X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	7.9.25/1135			7-10-25/0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

AL MONITES & TONY TORREZ PRESENT. THE WEATHER IS CLEAR & WARM. THIS ZONE WILL BE SAMPLED WITH A FLITE SYSTEM. PURGE PRESSURE 22PSI & SAMPLE PRESSURE 20PSI 4 GALLONS PURGED. BUBBLER SET @ 3PS, & STABLE @ 7PS, SAMPLE 6-1

PARAM'S PRE		PARAM'S	
250709 1050B		250709 1120B	
pH	8.31		8.32
TEMP	25.8		25.4
COND	1473		1469
TURB	1.08		1.44
pH PRE	7.01 / 10.00		7.00 / 10.02
pH POST	7.00 / 10.03		7.00 / 10.03

METER ID'S
pH / COND # 16
TURB # 6
" STD 4/68
" DO 4.57
" LOT # A5002
" EXP 7/31

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250709 1125B	8260 (	ICE / HCl	(3) 40ml VIALS	ACS
1126B	" (FB)	"	"	"
1127B	LL NDMA	ICE	(1) LIT AMBER	STL
1128B	" (FB)	"	"	"

Continued from page

Read and Understood By

J. C. Signed

7-9-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 7.9.25 Page 1 of 1

Sample Location: WW.5.809

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL NDMA						Charge Number
										XGMD
250709 1105B	3	A	X							
1106B (FB)	3	A	X							
1107B	1	A		X						
1108B (FB)	1	A		X						
~~250709~~										

Sample Location: WW.5.909

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL NDMA						Charge Number
										XGMD
250709 1125B	3	A	X							
1126B (FB)	3	A	X							
1127B	1	A		X						
1128B (FB)	1	A		X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	7.9.25/1135			7-10-25/0810

* Sample Matrix Types: G – Gaseous; A – Aqueous; S – Solid; O – Other: _____

Appendix C
Chemical Analytical Program
(Internal QA reports)

National Aeronautics and Space Administration

Quality Assurance Report for White Sands Test Facility Groundwater Monitoring Data

May 2025

NM8800019434

Report Submitted: December 2025

Report Prepared by:
Stephanie Portillo
Environmental Scientist IV
Navarro Research and Engineering, Inc.

1.0 Introduction

The WSTF Groundwater Monitoring Plan (GMP) requires the preparation of a periodic report to assess the quality of groundwater analytical data reported. The monthly Quality Assurance Report (QAR) prepared and reviewed by responsible environmental contractor data management personnel provides the following information:

- A summary of notable anomalies and a follow-up on previous anomalies, if necessary.
- A summary of notable data quality issues by analytical method, if any.
- A list of the sample events for which groundwater samples were collected in May 2025.
- The quantity and type of quality control samples collected or prepared in May 2025.
- Quality control sample percentages in annual period immediately preceding and during May 2025.
- Definitions of data qualifiers used in WSTF analytical data reporting.
- The quantity and type of data qualifiers applied to individual analytical results.
- A list of quality assurance narratives for the month arranged by analytical method.
- A summary table of detections in equipment blank, field blank, and trip blank samples.

2.0 Data Quality

2.1 Notable Anomalies Identified in Previous Quality Assurance Reports

There were no notable anomalies requiring follow-up associated with previous QARs.

2.2 Notable Anomalies

Method 607 analytical samples for BLM-22-570 (2505191402C) and WB-5-295 (2505190942C) were switched. A thorough review of the logbooks, internal and external chain of custodies, and inquiries with the laboratory did not indicate when the samples were switched. Both samples sets were collected on the same day, collected by the same individuals, shipped in the same sample shipment, and analyzed in the same laboratory batch set. None of the documentation provides an indication of where or when the swap occurred. When NASA made initial inquiries regarding the 0.33 ug/L NDMA detection for BLM-22-570, the laboratory suggested that a "system ID switch" could have occurred with another sample in the same batch. On deeper reviews for the BLM-22-570 (2505191402C) NDMA detection, the non-detect result for WB-5-295 (2505190942C) was discovered.

Historical NDMA detections by Method 607 for BLM-22-570 (non-detect) and WB-5-295 (0.19-0.54 ug/L) suggests a discrepancy with May's BLM-22-570 0.33 ug/L detection and BW-5-295 <0.0048 ug/L (non-detect) value. These Method 607 values are also inconsistent with the location and extent of the NDMA plume, as BLM-22-570 is located outside of the NDMA plume extent and BW-5-295 is located within the NDMA plume. A paired low-level NDMA sample (2505190943C, 0.85 ng/L) was also collected at BLM-22-570 during the May sample event, indicating NDMA by Method 607 should be below detection limits to match the low-level result. Based on these lines of evidence, combined with the laboratory's suggestion that a "system ID switch" could have occurred within the batch analysis, NASA is correcting the switched sample IDs in the database for Method 607 results for BLM-22-570 and BW-5-295 to be consistent with historical results.

Sample ID corrections are as follows:

Well ID	Event Date	Original Sample ID	Corrected Sample ID	Analysis	Casno	Analyte	Result (ug/L)	Extraction Effiency
BW-5-295	19-May-25	2505190942C	2505191402C	607	62-75-9	N-Nitrosodimethylamine	0.33	44
BW-5-295	19-May-25	2505190942C	2505191402C	607	4164-28-7	N-Nitrodimethylamine	1.53	70
BW-5-295	19-May-25	2505190942C	2505191402C	607	314-40-9	Bromacil	0.02	117
BLM-22-570	19-May-25	2505191402C	2505190942C	607	62-75-9	N-Nitrosodimethylamine	0	44
BLM-22-570	19-May-25	2505191402C	2505190942C	607	4164-28-7	N-Nitrodimethylamine	0	70
BLM-22-570	19-May-25	2505191402C	2505190942C	607	314-40-9	Bromacil	0	117

Two low-level NDMA samples, 2505201432A and 2505201433A (field blank) for PL-12-570, were overlooked by the laboratory and were beyond hold times for extraction when they were discovered. The laboratory notified NASA of the issue on June 1, 2025. PL-12-570 was rescheduled for low-level NDMA samples completed on June 11, 2025. Data from the resample event is provided in the third quarter 2025 PMR.

There were no other notable anomalies in the groundwater data associated with the May 2025 QAR.

3.0 Data Tables

Table 1 summarizes the groundwater sample events initiated in May 2025. This report is based on data quality issues related to the sample events listed in Table 1. Tables 2 through 8 contain information related to the sample events identified in Table 1. As specified by the GMP, specific quality control samples are utilized to assess the quality of analytical data. Table 2 presents the quantity of quality control samples collected for each analytical method. Table 3 compares the quality control sample percentages collected to the requirements in the GMP. When data quality criteria are not met, data qualifiers are applied to the data. Definitions of data qualifiers used for WSTF chemical analytical data are listed in Table 4. Table 5 and Table 6 present the total number of individual result records and summarize the quantity of field and laboratory data qualifiers assigned to individual analyte result records in the WSTF analytical database. Table 7 provides all quality assurance narratives associated with the sample events in Table 1. Narratives associated with qualified data are identified by **bold text** in Table 7. Table 8 provides a summary of all detections in WSTF blank samples.

Table 1 – Sample Events for May 2025

Well ID	Event Date
400-001-GW	5/22/25
600-C-173	5/20/25
600-G-138	5/7/25
B650-EFF-1	5/21/25
B650-INF-1	5/21/25
B655-EFF-2	5/21/25
B655-INF-2	5/21/25
BLM-17-493	5/5/25
BLM-2-630	5/15/25
BLM-22-570	5/19/25
BLM-24-565	5/9/25
BLM-26-404	5/7/25
BLM-32-543	5/8/25
BLM-32-571	5/8/25
BLM-32-632	5/8/25

Well ID	Event Date
BLM-36-350	5/7/25
BLM-36-610	5/5/25
BLM-36-800	5/6/25
BLM-36-860	5/5/25
BLM-38-480	5/14/25
BLM-38-620	5/13/25
BLM-8-418	5/14/25
BW-5-295	5/19/25
MPE-1	5/21/25
MPE-10	5/21/25
MPE-11	5/21/25
MPE-9	5/21/25
NASA 4	5/19/25
PL-12-570	5/20/25
PL-12-800	5/20/25

Well ID	Event Date
PL-7-560	5/12/25
ST-1-541	5/21/25
ST-1-630	5/15/25
ST-4-589	5/20/25
ST-5-485	5/8/25
ST-5-655	5/8/25
WB-1-200	5/15/25
WB-1-255	5/15/25
WB-1-330	5/21/25
WW-4-419	5/12/25
WW-4-589	5/12/25
WW-4-848	5/13/25
WW-4-948	5/13/25

Table 2 – Quantity of Quality Control Samples

Method	Samples	Field Blanks	Equip Blanks	Trip Blanks	Blind Controls	Duplicates	Matrix Spikes
PFAS by Draft EPA Method 1633	**4**	**4**	0	0	0	0	0
Chloride by EPA Method 300.0	**1**	0	0	0	0	0	0
Nitrate plus Nitrite as N by EPA Method 353.2	**14**	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**34**	**2**	**1**	0	**1**	**4**	**1**
Perchlorate by SW-846 Method 6850	**14**	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**28**	**21**	**7**	**2**	**1**	**6**	0
Low Level Volatile Organics by SW-846 Method 8260C	**15**	**10**	**5**	**5**	0	0	**1**
Semi-Volatile Organics by SW-846 Method 8270D	**6**	0	0	0	0	0	0
Anions by Various EPA Methods	**14**	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**26**	**1**	**1**	0	**1**	**2**	**1**
Nitrosamines by Low-Level Method	**22**	**17**	**5**	**7**	**1**	**2**	**1**
Total Dissolved Solids by Standard Method 2540C	**13**	0	0	0	0	0	0

Table 3 – Quality Control Sample Percentages

Quality Control Requirement	Requirement %	Samp. Qty. since May 2024	QC Qty. May 2024	QC % since May 2024	Sample Quantity May 2025	QC Quantity May 2025	QC % May 2025
VOA Duplicates	**10**	618	74	**11.97%**	43	6	**13.95%**
VOA Matrix Spikes	**2**	618	14	**2.27%**	43	1	**2.33%**
607 Duplicates	**10**	380	40	**10.53%**	34	4	**11.76%**
607 Matrix Spikes	**2**	380	8	**2.11%**	34	1	**2.94%**
607 Equipment Blanks	**2**	380	8	**2.11%**	34	1	**2.94%**
607 Field Blanks	**2**	380	15	**3.95%**	34	2	**5.88%**
NDMA_LL Duplicates	**10**	352	40	**11.36%**	22	2	**9.09%**
NDMA_LL Matrix Spikes	**2**	352	13	**3.69%**	22	1	**4.55%**
Metals Duplicates	**10**	276	30	**10.87%**	26	2	**7.69%**
Metals Matrix Spikes	**2**	276	8	**2.90%**	26	1	**3.85%**
Metals Equipment Blanks	**5**	276	12	**4.35%**	26	1	**3.85%**
Metals Field Blanks	**5**	276	21	**7.61%**	26	1	**3.85%**
VOA Equipment Blanks and Field Blanks	*Should approach 100%*	604	599	**99%**	43	43	**100%**
Low Level Nitrosamine Equipment Blanks and Field Blanks	*Should approach 100%*	343	343	**100%**	21	21	**100%**
VOA Trip Blank (per shipment)	*Should approach 100%*	104	104	**100%**	7	7	100%
Low Level Nitrosamine Trip Blank (per shipment)	*Should approach 100%*	94	94	**100%**	7	7	100%

Table 4 – Definitions of Data Qualifiers

Qualifier	Definition
*	User defined qualifier. See quality assurance narrative.
A	The result of an analyte for a laboratory control sample (LCS), initial calibration verification (ICV) or continuing calibration verification (CCV) was outside standard limits.
AD	Relative percent difference for analyst (laboratory) duplicates was outside standard limits.
D	The reported result is from a dilution.
EB	The analyte was detected in the equipment blank.
FB	The analyte was detected in the field blank.
G	The result is an estimated value greater than the upper calibration limit.
i	The result, quantitation limit, and/or detection limit may have been affected by matrix interference.
J	The result is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
K	The peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration.
NA	The value/result was either not analyzed for or not applicable.
ND	The analyte was not detected above the detection limit.
Q	The result for a blind control sample was outside standard limits.
QD	The relative percent difference for a field duplicate was outside standard limits.
R	The result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
RB	The analyte was detected in the method blank.
S	The result was determined by the method of standard addition.
SP	The matrix spike recovery and/or the relative percent difference for matrix spike duplicates was outside standard limits.
T	The sample was analyzed outside the specified holding time or temperature.
TB	The analyte was detected in the trip blank.
TIC	The analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.

Table 5 – Quantity of Field Based Data Qualifiers Assigned to Individual Result Records

Method	Total Result Records	FB	EB	TB	Q	QD	SP	R
Nitrate plus Nitrite as N by EPA Method 353.2	**14**	0	0	0	0	0	0	0
Nitrosamines by EPA Method 607	120	**1**	0	0	**1**	**4**	**1**	**6**
Perchlorate by SW-846 Method 6850	**16**	0	0	0	0	0	0	**2**
Volatile Organics by SW-846 Method 8260C	**2193**	0	**2**	0	0	**6**	0	0
Low Level Volatile Organics by SW-846 Method 8260C	**959**	0	0	0	0	0	0	0
Semi-Volatile Organics by SW-846 Method 8270D	**726**	0	0	0	0	0	0	0
Anions by Various EPA Methods	**57**	0	0	0	0	0	**1**	0
Total Metals by Various SW-846 Methods	**756**	0	**2**	0	**2**	0	0	0
Nitrosamines by Low-Level Method	**46**	**16**	**5**	**6**	0	0	0	0
Total Dissolved Solids by Standard Method 2540C	**13**	0	0	0	0	0	0	0

Table 6 – Quantity of Laboratory based Data Qualifiers Assigned to Individual Result Records

Method	Total Result Records	*	A	AD	G	RB	T	D	i	J	K
Nitrate plus Nitrite as N by EPA Method 353.2	**14**	0	0	0	0	0	0	0	0	**1**	0
Nitrosamines by EPA Method 607	120	**6**	0	0	**2**	0	0	**6**	0	**5**	0
Perchlorate by SW-846 Method 6850	**16**	**4**	0	0	0	0	**3**	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**2193**	0	0	0	**3**	0	0	**7**	0	**27**	0
Low Level Volatile Organics by SW-846 Method 8260C	**959**	0	0	0	0	0	0	0	0	**6**	0

Method	Total Result Records	*	A	AD	G	RB	T	D	i	J	K
Semi-Volatile Organics by SW-846 Method 8270D	**726**	0	0	0	0	0	0	0	0	**1**	0
Anions by Various EPA Methods	**57**	0	**1**	0	0	0	0	**2**	0	0	0
Total Metals by Various SW-846 Methods	**756**	0	0	0	0	**11**	0	**2**	0	**162**	0
Nitrosamines by Low-Level Method	**46**	0	**18**	0	0	**17**	0	0	0	**1**	**7**
Total Dissolved Solids by Standard Method 2540C	**13**	0	0	0	0	0	**1**	0	0	0	0

Table 7 – Quality Assurance Narratives

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BLM-17-493	5/5/2025	For SW-846 Method 8260C, The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-17-493	5/5/2025	For SW-846 Method 8260C, The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-17-493	**5/5/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2505051401C) at 6.2 ug/L.**
BLM-17-493	**5/5/2025**	**For SW-846 Method 8270D, one unknown compound is an estimated value and tentatively identified by a GC/MS library search in samples 2505051400C and 2505051401C.**
BLM-36-610	5/5/2025	For SW-846 Method 8260C, The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-36-610	5/5/2025	For SW-846 Method 8260C, The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-36-610	**5/5/2025**	**For SW-846 Method 8270D, one unknown compound is an estimated value and tentatively identified by a GC/MS library search in samples 2505050730Y, 2505050840Y and 2505051006Y.**
BLM-36-610	**5/5/2025**	**For SW-846 Method 8260C, Unknown was detected in the trip blank (2505050730Y) at 5.9 ug/L.**
BLM-36-610	**5/5/2025**	**For SW-846 Method 8260C, Unknown was detected in the equipment blank (2505050840Y) at 6.1 ug/L.**
BLM-36-860	5/5/2025	For SW-846 Method 8260C, The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-36-860	5/5/2025	For SW-846 Method 8260C, The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-36-860	**5/5/2025**	**For SW-846 Method 8270D, one unknown compound is an estimated value and tentatively identified by a GC/MS library search in samples 2505051340Y and 2505051500Y.**
BLM-36-860	**5/5/2025**	**For SW-846 Method 8260C, Unknown was detected in the equipment blank (2505051340Y) at 7.7 ug/L.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BLM-36-800	5/6/2025	For SW-846 Method 8260C, The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-36-800	5/6/2025	For SW-846 Method 8260C, The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-36-800	**5/6/2025**	**For SW-846 Method 8260C, Unknown was detected in the equipment blank (2505061315Y) at 7.0 ug/L.**
BLM-36-800	**5/6/2025**	**For SW-846 Method 8270D, one unknown compound is an estimated value and tentatively identified by a GC/MS library search in samples 2505061315Y and 2505061503Y.**
600-G-138	5/7/2025	For SW-846 Method 8260C, The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
600-G-138	**5/7/2025**	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2505071050B and 2505071051B were within control limits or below the calculable range.
600-G-138	5/7/2025	For SW-846 Method 8260C, The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
600-G-138	**5/7/2025**	**For SW-846 Method 8270D, one unknown compound is an estimated value and tentatively identified by a GC/MS library search in samples 2505071050B, 2505071051B, and 2505071052B.**
600-G-138	**5/7/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2505071052B) at 6.3 ug/L.**
600-G-138	**5/7/2025**	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2505071050B and 2505071051B were within control limits or below the calculable range.
BLM-26-404	**5/7/2025**	**For SW-846 Method 8270D, PCE (0.63 ug/L and 0.55 ug/L), CFC 123a (0.41 ug/L and 0.36 ug/L) and CFC 21 (0.34 ug/L and 0.34 ug/L) in the samples (2505071443C and 2505071444C) are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-26-404	**5/7/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2505071445C) at 7.2 ug/L.**
BLM-26-404	**5/7/2025**	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2505071443C and 2505071444C were within control limits or below the calculable range.
BLM-26-404	5/7/2025	For SW-846 Method 8260C, The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-26-404	**5/7/2025**	**For SW-846 Method 8270D, one unknown compound is an estimated value and tentatively identified by a GC/MS library search in samples 2505071443C, 2505071444C and 2505071445C.**
BLM-26-404	5/7/2025	For SW-846 Method 8260C, The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-36-350	**5/7/2025**	**For SW-846 Method 8260C, Unknown was detected in the equipment blank (2505071035Y) at 9.1 ug/L.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BLM-36-350	**5/7/2025**	**For SW-846 Method 8270D, cis-1,2-Dichloroethene (0.34 ug/L) in sample 2505071333Y is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-36-350	5/7/2025	For SW-846 Method 8260C, The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-36-350	**5/7/2025**	**For SW-846 Method 8270D, one unknown compound is an estimated value and tentatively identified by a GC/MS library search in samples 2505071033Y and 2505071035Y.**
BLM-36-350	5/7/2025	For SW-846 Method 8260C, The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-32-543	5/8/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BLM-32-571	5/8/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BLM-32-571	5/8/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BLM-32-632	5/8/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BLM-32-632	5/8/2025	For SW-846 Method 8260C, there were no detections in the field blank.
ST-5-485	5/8/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
ST-5-655	5/8/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
BLM-24-565	5/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
BLM-24-565	5/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PL-7-560	**5/12/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- was detected in the equipment blank (2505121050Y) at 1.1 ug/L.**
PL-7-560	5/12/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for iodomethane in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the LCS was within limits, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PL-7-560	**5/12/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- (1.1 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2505121050Y.**
PL-7-560	5/12/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
PL-7-560	5/12/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-4-419	5/12/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for iodomethane in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the LCS was within limits, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-4-419	5/12/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
WW-4-419	5/12/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-4-419	**5/12/2025**	**For Low Level SW-846 Method 8260C, Propanal (3.9 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2505121310B.**
WW-4-419	**5/12/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- (1 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2505121311B.**
WW-4-419	5/12/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
WW-4-419	**5/12/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- was detected in the field blank (2505121311B) at 1.0 ug/L.**
WW-4-589	**5/12/2025**	**For Low Level SW-846 Method 8260C, Propanal (2.9 ug/L) and 1,4-Dioxane, 2,5-dimethyl- (1.5 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2505121325B.**
WW-4-589	**5/12/2025**	**For Low Level SW-846 Method 8260C, 1,4-Dioxane (12 ug/L) in sample 2505121325B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-4-589	5/12/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for iodomethane in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the LCS was within limits, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-4-589	5/12/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-4-589	5/12/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
WW-4-589	5/12/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
BLM-38-620	**5/13/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- (4 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2505130815Y.**
BLM-38-620	5/13/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
BLM-38-620	5/13/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-38-620	5/13/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for iodomethane in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the LCS was within limits, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-38-620	**5/13/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- was detected in the equipment blank (2505130815Y) at 4.0 ug/L.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
WW-4-848	**5/13/2025**	**For Low Level SW-846 Method 8260C, Trimethylsilyl fluoride (1.7 ug/L) and Silanol, trimethyl- (1.6 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2505131200B.**
WW-4-848	5/13/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-4-848	5/13/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for iodomethane in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the LCS was within limits, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-4-848	5/13/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
WW-4-848	5/13/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
WW-4-948	5/13/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for iodomethane in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the LCS was within limits, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-4-948	5/13/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-4-948	5/13/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-4-948	5/13/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
WW-4-948	5/13/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
WW-4-948	5/13/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
WW-4-948	**5/13/2025**	**For Low Level SW-846 Method 8260C, Toluene (0.44 ug/L) in sample 2505131210B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-4-948	5/13/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-38-480	5/14/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
BLM-38-480	5/14/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BLM-38-480	5/14/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-38-480	5/14/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
BLM-8-418	**5/14/2025**	**For Low Level SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.43 ug/L), CFC 11 (0.31 ug/L), and TCE (0.22 ug/L) in sample 2505141000B are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-8-418	5/14/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-8-418	5/14/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
BLM-8-418	5/14/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
BLM-2-630	**5/15/2025**	**For SW-846 Method 8260D, TCE (0.34 ug/L) in sample 2505151020C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-2-630	5/15/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
BLM-2-630	5/15/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-2-630	5/15/2025	For SW-846 Method 8260C, there were no detections in the trip blank.
BLM-2-630	5/15/2025	For SW-846 Method 8260C, there were no detections in the field blank.
ST-1-630	**5/15/2025**	**For SW-846 Method 8260C, for sample 2505151435C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (320 ug/L), TCE (310 ug/L), and CFC 11 (240 ug/L) concentrations have exceeded the calibration range for that specific analysis. The result is an estimated value greater than the upper calibration limit.**
ST-1-630	5/15/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-1-630	5/15/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
ST-1-630	5/15/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
ST-1-630	**5/15/2025**	**For SW-846 Method 8260C, the Continuing Calibration Verification (CCV) exceeded control limits for CFC21. All detected concentrations for the analyte(s) in samples associated with this CCV should be considered as estimated. The analytes affected are flagged in the CCV Summary Report. The samples were not reanalyzed because insufficient sample remained for additional testing.**
ST-1-630	**5/15/2025**	**For SW-846 Method 8260D, CFC 123 (0.3 ug/L) in sample 2505151435C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
ST-1-630	5/15/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
ST-1-630	5/15/2025	For SW-846 Method 8260C, there were no detections in the field blank.
ST-1-630	**5/15/2025**	For SW-846 Method 8260C in blind control sample (2505151525C), all recoveries were within standard limits.
ST-1-630	5/15/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WB-1-200	5/15/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
WB-1-200	5/15/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WB-1-200	5/15/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WB-1-200	**5/15/2025**	**For SW-846 Method 8260C, Sulfur Dioxide (4.2 ug/L) and TCE (0.34 ug/L) in sample 2505151020C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
WB-1-200	**5/15/2025**	**For SW-846 Method 8260C, the Continuing Calibration Verification (CCV) exceeded control limits for CFC21. All detected concentrations for the analyte(s) in samples associated with this CCV should be considered as estimated. The analytes affected are flagged in the CCV Summary Report. The samples were not reanalyzed because insufficient sample remained for additional testing.**
WB-1-200	5/15/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WB-1-200	5/15/2025	For SW-846 Method 8260C, there were no detections in the equipment blank.
WB-1-255	5/15/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
WB-1-255	5/15/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WB-1-255	**5/15/2025**	**For SW-846 Method 8260C, Sulfur Dioxide (2.1 ug/L) is an estimated value and tentatively identified by a GC/MS library search in equipment blank 2505151100Y and sample 2505151355Y.**
WB-1-255	**5/15/2025**	**For SW-846 Method 8260C, TCE (0.32 ug/L) in sample 2505151355Y is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WB-1-255	**5/15/2025**	**For SW-846 Method 8260C, Sulfur Dioxide (2.1 ug/L and 1.1 ug/L), CFC 123a (0.9 ug/L and 1.6 ug/L), and CFC 21 (0.55 ug/L and 0.94) in equipment blank 2505151100Y and sample 2505151355Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
WB-1-255	**5/15/2025**	**For SW-846 Method 8260C, Dichlorofluoromethane (CFC 21) was detected in the equipment blank (2505151100Y) at 0.55 ug/L. 1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a) was detected in the equipment blank (2505151100Y) at 0.9 ug/L. Sulfur Dioxide was detected in the equipment blank (2505151100Y) at 2.1 ug/L.**
BLM-22-570	5/19/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
BLM-22-570	5/19/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
BLM-22-570	5/19/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-22-570	5/19/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-22-570	5/19/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
BW-5-295	**5/19/2025**	**For SW-846 Method 8260C, CFC 21 (0.65 ug/L) and TCE (0.53 ug/L) in sample 2505191400C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BW-5-295	5/19/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BW-5-295	5/19/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BW-5-295	5/19/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
BW-5-295	5/19/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
NASA 4	**5/19/2025**	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2505191005A and 2505191006A were within control limits or below the calculable range.
NASA 4	5/19/2025	For SW-846 Method 8260C, there were no detections in the field blank.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
NASA 4	**5/19/2025**	**For SW-846 Method 8260C, Trimethylsilyl fluoride (1.4 ug/L) is an estimated value and tentatively identified by a GC/MS library search in samples 2505191005A and 2505191006A.**
NASA 4	5/19/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
NASA 4	5/19/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
NASA 4	5/19/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
600-C-173	**5/20/2025**	**For SW-846 Method 8260C, field duplicate samples 2505201410C and 2505201412C the relative percent difference for Trimethylsilyl fluoride was 110%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
600-C-173	**5/20/2025**	**For SW-846 Method 8260C, field duplicate samples 2505201410C and 2505201412C the relative percent difference for Silanol, trimethyl- was 200%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
600-C-173	5/20/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
600-C-173	5/20/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
600-C-173	**5/20/2025**	**For SW-846 Method 8260C, Trimethylsilyl fluoride (1.4 ug/L and 6.2) is an estimated value and tentatively identified by a GC/MS library search in samples 2505201410C and 2505201412C.**
600-C-173	**5/20/2025**	**For SW-846 Method 8260C, Silanol, trimethyl- (1.7 ug/L) is an estimated value and tentatively identified by a GC/MS library search in duplicate sample 2505201412C.**
600-C-173	5/20/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
600-C-173	5/20/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
600-C-173	5/20/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
PL-12-570	5/20/2025	For SW-846 Method 8260C, there were no detections in the field blank.
PL-12-570	5/20/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PL-12-570	5/20/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
PL-12-570	**5/20/2025**	**For SW-846 Method 8260C, Trimethylsilyl fluoride (1.1 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2505201430A.**
PL-12-570	5/20/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
PL-12-800	5/20/2025	For SW-846 Method 8260C, there were no detections in the field blank.
PL-12-800	5/20/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
PL-12-800	5/20/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PL-12-800	5/20/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
ST-4-589	5/20/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-4-589	**5/20/2025**	**For EPA method 8260_LL, the matrix spike and matrix spike duplicate recoveries of Acrolein (417-431%) in sample 2505200952C was outside method required limits (13-165%). No groundwater data are affected by this QC issue.**
ST-4-589	**5/20/2025**	**For EPA method 8260_LL, the matrix spike duplicate recoveries of Touluene (120%) in sample 2505200952C was outside method required limits (79-119%). No groundwater data are affected by this QC issue.**
ST-4-589	5/20/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
ST-4-589	5/20/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-4-589	5/20/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
B650-EFF-1	5/21/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
B650-INF-1	**5/21/2025**	**For SW-846 Method 8260C, field duplicate samples 2505211330 and 2505211331 the relative percent difference for Trichloroethene (TCE) was 30.0%. This value is outside the upper acceptance limit for relative percent difference of 25%.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
B650-INF-1	**5/21/2025**	**For SW-846 Method 8260C, field duplicate samples 2505211330 and 2505211331 the relative percent difference for 1,1,2-Trichloro-1,2,2-Trifluoroethane was 69.0%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
B650-INF-1	5/21/2025	For SW-846 Method 8260C, there were no detections in the field blank.
B650-INF-1	**5/21/2025**	**For SW-846 Method 8260C, field duplicate samples 2505211330 and 2505211331 the relative percent difference for Trichlorofluoromethane (CFC 11) was 66.7%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
B650-INF-1	**5/21/2025**	**For SW-846 Method 8260C, PCE (0.65 ug/L and 09.3 ug/L) in samples 2505211330 and 2505211331 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
B655-EFF-2	5/21/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
B655-EFF-2	5/21/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
B655-EFF-2	**5/21/2025**	**For Low Level SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.23 ug/L) in sample 2505210825 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
B655-INF-2	5/21/2025	For SW-846 Method 8260C, there were no detections in the field blank.
B655-INF-2	**5/21/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (230 ug/L) in sample 2505210841 required 2.5-fold dilution. The reporting limits are adjusted to reflect the dilution.**
MPE-1	5/21/2025	For SW-846 Method 8260C, there were no detections in the field blank.
MPE-1	**5/21/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (340 ug/L) in sample 2505210906 required 5-fold dilution. The reporting limits are adjusted to reflect the dilution.**
MPE-1	**5/21/2025**	**For SW-846 Method 8260C, cis-1,2-Dichloroethene (0.26 ug/L) in sample 2505210825 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
MPE-10	5/21/2025	For SW-846 Method 8260C, there were no detections in the field blank.
MPE-10	**5/21/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (200 ug/L) in sample 2505210941 required 2.5-fold dilution. The reporting limits are adjusted to reflect the dilution.**
MPE-11	5/21/2025	For SW-846 Method 8260C, there were no detections in the field blank.
MPE-11	**5/21/2025**	**For SW-846 Method 8260C, CFC 123a (0.73 ug/L) and PCE (0.36 ug/L) in sample 2505211011 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
MPE-9	5/21/2025	For SW-846 Method 8260C, there were no detections in the field blank.
MPE-9	**5/21/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (460 ug/L) and CFC 11 (200 ug/L) in sample 2505210921 required 5-fold dilution. The reporting limits are adjusted to reflect the dilution.**
ST-1-541	**5/21/2025**	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2505210948C and 2505210950C were within control limits or below the calculable range.
ST-1-541	5/21/2025	For SW-846 Method 8260, due to an incorrect entry into the computer logbook, sample IDs for well ST-1-541 were entered in without the "C" ending, samples 2505210948C, 2505210950C, 2505210952C were corrected to end in "C". The database was corrected to match the field logbook and internal chain of custody. No further action taken.
ST-1-541	5/21/2025	For SW-846 Method 8260C, there were no detections in the field blank.
ST-1-541	**5/21/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (340 ug/L) in samples 2505210948C and 2505210950C required 5-fold dilution. The reporting limits are adjusted to reflect the dilution.**
ST-1-541	**5/21/2025**	**For SW-846 Method 8260C, CFC 21 (0.99 ug/L), CFC 123 (0.24 ug/L), and cis-1,2-Dichloroethene (0.23 ug/L) in sample 2505210948C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WB-1-330	5/21/2025	For SW-846 Method 8260C, there were no detections in the equipment blank.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
WB-1-330	**5/21/2025**	**For SW-846 Method 8260C, TCE (0.37 ug/L) in sample 2505211310Y is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
400-001-GW	5/22/2025	For SW-846 Method 8260C, there were no detections in the field blank.
400-001-GW	**5/22/2025**	**For SW-846 Method 8260C, CFC 123a (0.39 ug/L) in sample 2505221325C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	Modified EPA Method 607 QA Narratives
BLM-36-610	5/5/2025	For Modified EPA Method 607, there were no detections in the equipment blank.
600-G-138	**5/7/2025**	**For Modified EPA Method 607, origianl results for NDMA and DMN in sample 2505071053B exceeded the callibration curve and are rejected due to sample dilution 15-fold for reanalysis. Diluted NDMA and DMN samples are retained and the original samples are maintained in the QA data only.**
600-G-138	**5/7/2025**	**For Modified EPA Method 607, Bromacil (0.006 ug/L) in the field blank (2505071055B) is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
600-G-138	**5/7/2025**	**For Modified EPA Method 607, Diluted result for Bromacil in sample 2505071053B is rejected due to sample dilution 15-fold for NDMA and DMN reanalysis. Original bromacil sample is retained.**
600-G-138	**5/7/2025**	**For Modified EPA Method 607, Bromacil was detected at level exceeding calibration range in samples 2505071053B (600-G-138) and 2505071054B (600-G-138). Both extracts were diluted 15-fold prior to re-analysis.**
600-G-138	**5/7/2025**	**For EPA method 607, due to the high level of Bromacil in the unfortified sample compared to the added amount, % recovery of Bromacil was unable to be obtained from the matrix spike sample.**
600-G-138	**5/7/2025**	**For Modified EPA Method 607, Bromacil was detected in the field blank (2505071055B) at 0.006 ug/L.**
BLM-26-404	**5/7/2025**	**For Modified EPA Method 607, Bromacil (0.005 ug/L) in sample 2505071447C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-26-404	**5/7/2025**	**For Modified EPA Method 607, field duplicate samples 2505071446C and 2505071447C the relative percent difference for NDMA and DMN was 33.3%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
BLM-36-350	**5/7/2025**	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2505071334Y and 2505071400Y were within control limits or below the calculable range.
BLM-32-543	**5/8/2025**	**For Modified EPA Method 607, Bromacil (0.007 ug/L) in samples 2505081054B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-7-560	5/12/2025	For Modified EPA Method 607, the laboratory control sample (LCS) extracted on 16 May 2025 was spiked twice resulting in 1.0 ppb spiked amount. No field samples were affected. No further action required.
WW-4-419	5/12/2025	For Modified EPA Method 607, the laboratory control sample (LCS) extracted on 16 May 2025 was spiked twice resulting in 1.0 ppb spiked amount. No field samples were affected. No further action required.
WW-4-589	5/12/2025	For Modified EPA Method 607, the laboratory control sample (LCS) extracted on 16 May 2025 was spiked twice resulting in 1.0 ppb spiked amount. No field samples were affected. No further action required.
BLM-38-620	5/13/2025	For Modified EPA Method 607, the laboratory control sample (LCS) extracted on 16 May 2025 was spiked twice resulting in 1.0 ppb spiked amount. No field samples were affected. No further action required.
WW-4-848	5/13/2025	For Modified EPA Method 607, the laboratory control sample (LCS) extracted on 16 May 2025 was spiked twice resulting in 1.0 ppb spiked amount. No field samples were affected. No further action required.

Well ID	Event Date	Modified EPA Method 607 QA Narratives
WW-4-948	5/13/2025	For Modified EPA Method 607, the laboratory control sample (LCS) extracted on 16 May 2025 was spiked twice resulting in 1.0 ppb spiked amount. No field samples were affected. No further action required.
BLM-38-480	5/14/2025	For Modified EPA Method 607, the laboratory control sample (LCS) extracted on 16 May 2025 was spiked twice resulting in 1.0 ppb spiked amount. No field samples were affected. No further action required.
BLM-8-418	5/14/2025	For Modified EPA Method 607, the laboratory control sample (LCS) extracted on 16 May 2025 was spiked twice resulting in 1.0 ppb spiked amount. No field samples were affected. No further action required.
ST-1-630	**5/15/2025**	**For Modified EPA Method 607 in blind control sample (2505151526C), the percent recovery for Bromacil (38.0%) was outside of the standard limits (50.0-190.0%).**
ST-1-630	**5/15/2025**	**For Modified EPA Method 607, Bromacil (0.006 ug/L) in sample 2505151437C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-22-570	5/19/2025	For Modified EPA Method 607, report has been revised, LCS sample LCS25E23JZ2 had an incorrect extraction date of 5/22/2025. SwRI was notified and revised the pdf report and the EDD file to the correct date of 5/23/2025. No further action taken.
BLM-22-570	**5/19/2025**	**For Modified EPA Method 607, historical results indicate there was a sample switch with 2505190942C (BLM-22-570) and 2505191402C (BW-5-295) at some point between sampling, shipping, and laboratory analysis. A thourough review of the logbooks, internal and external chain of custodies, and inquiries with the laboratory did not indicate how the samples were switched. The laboratory suggested a possible "system ID" switch could have occurred with another sample in the same batch. Result sample IDs have been corrected in the database to reflect historical results. Affected data are appropriately qualified.**
BW-5-295	5/19/2025	For Modified EPA Method 607, report has been revised, LCS sample LCS25E23JZ2 had an incorrect extraction date of 5/22/2025. SwRI was notified and revised the pdf report and the EDD file to the correct date of 5/23/2025. No further action taken.
BW-5-295	**5/19/2025**	**For Modified EPA Method 607, historical results indicate there was a sample switch with 2505190942C (BLM-22-570) and 2505191402C (BW-5-295) at some point between sampling, shipping, and laboratory analysis. A thourough review of the logbooks, internal and external chain of custodies, and inquiries with the laboratory did not indicate how the samples were switched. The laboratory suggested a possible "system ID" switch could have occurred with another sample in the same batch. Result sample IDs have been corrected in the database to reflect historical results. Affected data are appropriately qualified.**
NASA 4	**5/19/2025**	**For Modified EPA Method 607, origianl results for bromacil in sample 2505191008A exceeded the callibration curve and are rejected due to sample dilution 20-fold for reanalysis. Diluted bromacil samples are retained and the original samples are maintained in the QA data only.**
NASA 4	5/19/2025	For Modified EPA Method 607, there were no detections in the field blank.
NASA 4	5/19/2025	For Modified EPA Method 607, report has been revised, LCS sample LCS25E23JZ2 had an incorrect extraction date of 5/22/2025. SwRI was notified and revised the pdf report and the EDD file to the correct date of 5/23/2025. No further action taken.
NASA 4	**5/19/2025**	**For Modified EPA Method 607, sample 2505191008A was diluted 20-fold due to bromacil exceeding calibration curve in the initial analysis. Original NDMA and DMN samples is retained and the diluted samples are flagged with an "R" and maintained in the QA data only.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
BLM-32-543	**5/8/2025**	**For Low Level Nitrosamine Method, LFB spike recovery slightly exceeds the limit for NDMA at 140% in the 05/15/2025 extraction date.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
BLM-32-543	**5/8/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505081056B) at 0.49 ng/L.**
BLM-32-571	**5/8/2025**	**For Low Level Nitrosamine Method, LFB spike recovery slightly exceeds the limit for NDMA at 140% in the 05/15/2025 extraction date.**
BLM-32-632	**5/8/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.45 ng/L) in samples 2505081207B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-32-632	**5/8/2025**	**For Low Level Nitrosamine Method, LFB spike recovery slightly exceeds the limit for NDMA at 140% in the 05/15/2025 extraction date.**
ST-5-485	**5/8/2025**	**For Low Level Nitrosamine Method, LFB spike recovery slightly exceeds the limit for NDMA at 140% in the 05/15/2025 extraction date.**
ST-5-485	5/8/2025	For Low Level Nitrosamine Method, the internal standard recoveries for N-Nitrosodimethylamine-d6 (NDMA-d6) were outside the advisory QC limits of 10-100% for samples 2505080831Y (ST-5-655), 2505081251Y (ST-5-485), 2505081251Y (ST-5-485), 2505081351Y (ST-5-485) and 2505090731C (BLM-24-565) with the lowest NDMA-d6 recovery at 6.90%. Based on previous batch experienceof HR-985, NDMA quantitation is likely valid down to NDMA-d6 recovery of 2%. No further action required.
ST-5-485	**5/8/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2505081251Y) at 1.63 ng/L.**
ST-5-655	**5/8/2025**	**For Low Level Nitrosamine Method, LFB spike recovery slightly exceeds the limit for NDMA at 140% in the 05/15/2025 extraction date.**
ST-5-655	5/8/2025	For Low Level Nitrosamine Method, the internal standard recoveries for N-Nitrosodimethylamine-d6 (NDMA-d6) were outside the advisory QC limits of 10-100% for sample 2505080831Y (ST-5-655), 2505081251Y (ST-5-485), 2505081251Y (ST-5-485), 2505081351Y (ST-5-485) and 2505090731C (BLM-24-565) with the lowest NDMA-d6 recovery at 6.90%. Based on previous batch experienceof HR-985, NDMA quantitation is likely valid down to NDMA-d6 recovery of 2%. No further action required.
ST-5-655	**5/8/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2505080831Y) at 1.14 ng/L.**
BLM-24-565	5/9/2025	For Low Level Nitrosamine Method, the internal standard recoveries for N-Nitrosodimethylamine-d6 (NDMA-d6) were outside the advisory QC limits of 10-100% for samples 2505080831Y (ST-5-655), 2505081251Y (ST-5-485), 2505081251Y (ST-5-485), 2505081351Y (ST-5-485) and 2505090731C (BLM-24-565) with the lowest NDMA-d6 recovery at 6.90%. Based on previous batch experienceof HR-985, NDMA quantitation is likely valid down to NDMA-d6 recovery of 2%. No further action required.
BLM-24-565	**5/9/2025**	**For Low Level Nitrosamine Method, LFB spike recovery slightly exceeds the limit for NDMA at 140% in the 05/15/2025 extraction date.**
BLM-24-565	**5/9/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505090838C) at 0.66 ng/L.**
BLM-24-565	5/9/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
PL-7-560	**5/12/2025**	**For Low Level Nitrosamine Method, the method blank (PB25D19JZ1) extracted on 05/19/2025 contained NDMA at 0.44 µg/L (J flagged).**
PL-7-560	**5/12/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2505121051Y) at 1.2 ng/L.**
WW-4-419	**5/12/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2505121313B. Affected data are appropriately qualified.**
WW-4-419	5/12/2025	For Low Level Nitrosamine Method, due to an incorrect entry into the computer logbook, the sample ID for well WW-4-419 was entered as "2505121413B, the correct preface is "2505121314B". The database was corrected to match the field logbook, chain of custody, and laboratory report. No further action taken.
WW-4-419	**5/12/2025**	**For Low Level Nitrosamine Method, the method blank (PB25D19JZ1) extracted on 05/19/2025 contained NDMA at 0.44 µg/L (J flagged).**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
WW-4-419	5/12/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505121314B) at 0.43 ng/L.
WW-4-419	5/12/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2505120731B) at 0.45 ng/L.
WW-4-419	5/12/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.45 ng/L and 0.48 ng/L) in samples 2505120731B and 2505121314B are estimated values less than the quantitation limit, but greater than or equal to the detection limit.
WW-4-589	5/12/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505121329B) at 0.49 ng/L.
WW-4-589	5/12/2025	For Low Level Nitrosamine Method, the method blank (PB25D19JZ1) extracted on 05/19/2025 contained NDMA at 0.44 µg/L (J flagged).
BLM-38-620	5/13/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2505130816Y) at 0.88 ng/L.
BLM-38-620	5/13/2025	For Low Level Nitrosamine Method, the method blank (PB25D19JZ1) extracted on 05/19/2025 contained NDMA at 0.44 µg/L (J flagged).
WW-4-848	5/13/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2505131204B. Affected data are appropriately qualified.
WW-4-848	5/13/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.43 ng/L) in samples 2505131204B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
WW-4-848	5/13/2025	For Low Level Nitrosamine Method, the method blank (PB25D19JZ1) extracted on 05/19/2025 contained NDMA at 0.44 µg/L (J flagged).
WW-4-848	5/13/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505131204B) at 0.43 ng/L.
WW-4-948	5/13/2025	For Low Level Nitrosamine Method, The method blank (PB25E20JZ1) extracted on 05/20/2025 contained a peak at NDMA retention but ion ratio did not meet criteria. Results were K flagged.
WW-4-948	5/13/2025	For Low Level Nitrosamine Method, LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. NDMA recoveries in all three LFBs (LFB25E20JZ1, LFB25E23JZ1, and LFB25E29JZ1) exceeded 130%. The high recoveries were most likely caused by the interference in the blanks.
WW-4-948	5/13/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505131214B) at 0.72 ng/L.
BLM-38-480	5/14/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2505140811Y) at 1.94 ng/L.
BLM-38-480	5/14/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2505140711Y) at 0.86 ng/L.
BLM-38-480	5/14/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2505140711Y. Affected data are appropriately qualified.
BLM-38-480	5/14/2025	For Low Level Nitrosamine Method, LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. NDMA recoveries in all three LFBs (LFB25E20JZ1, LFB25E23JZ1, and LFB25E29JZ1) exceeded 130%. The high recoveries were most likely caused by the interference in the blanks.
BLM-38-480	5/14/2025	For Low Level Nitrosamine Method, The method blank (PB25E20JZ1) extracted on 05/20/2025 contained a peak at NDMA retention but ion ratio did not meet criteria. Results were K flagged.
BLM-8-418	5/14/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505141004B) at 0.88 ng/L.

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
BLM-8-418	**5/14/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2505140711Y. Affected data are appropriately qualified.**
BLM-8-418	**5/14/2025**	**For Low Level Nitrosamine Method, LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. NDMA recoveries in all three LFBs (LFB25E20JZ1, LFB25E23JZ1, and LFB25E29JZ1) exceeded 130%. The high recoveries were most likely caused by the interference in the blanks.**
BLM-8-418	**5/14/2025**	**For Low Level Nitrosamine Method, The method blank (PB25E20JZ1) extracted on 05/20/2025 contained a peak at NDMA retention but ion ratio did not meet criteria. Results were K flagged.**
BLM-2-630	**5/15/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2505150801C) at 1.0 ng/L.**
BLM-2-630	**5/15/2025**	For Low Level Nitrosamine Method in blind control sample (2505151110C), all recoveries were within standard limits.
BLM-2-630	**5/15/2025**	For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2505151022C and 2505151023C were within control limits or below the calculable range.
BLM-2-630	**5/15/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505151024C) at 1.04 ng/L.**
BLM-2-630	**5/15/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2505140711Y. Affected data are appropriately qualified.**
BLM-2-630	**5/15/2025**	**For Low Level Nitrosamine Method, LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. NDMA recoveries in all three LFBs (LFB25E20JZ1, LFB25E23JZ1, and LFB25E29JZ1) exceeded 130%. The high recoveries were most likely caused by the interference in the blanks.**
BLM-2-630	**5/15/2025**	**For Low Level Nitrosamine Method, The method blank (PB25E20JZ1) extracted on 05/20/2025 contained a peak at NDMA retention but ion ratio did not meet criteria. Results were K flagged.**
BLM-22-570	**5/19/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505190944C) at 0.87 ng/L.**
BLM-22-570	**5/19/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2505190746C) at 0.87 ng/L.**
BLM-22-570	**5/19/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2505140711Y. Affected data are appropriately qualified.**
BLM-22-570	**5/19/2025**	**For Low Level Nitrosamine Method, LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. NDMA recoveries in all three LFBs (LFB25E20JZ1, LFB25E23JZ1, and LFB25E29JZ1) exceeded 130%. The high recoveries were most likely caused by the interference in the blanks.**
BLM-22-570	**5/19/2025**	**For Low Level Nitrosamine Method, The method blank (PB25E23JZ1) extracted on 05/23/2025 contained a peak at NDMA retention but ion ratio did not meet criteria. Results were K flagged.**
PL-12-570	**5/20/2025**	**For Low Level Nitrosamine Method, Laboratory missed extraction on two samples for PL-12-570. The holding time passed by the time the discrepancy was found. Sample 2505201432A and its field blank 2505201433A were not analyzed. Resamples were collected on 6/11/2025.**
PL-12-570	5/20/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
PL-12-570	5/20/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
PL-12-800	**5/20/2025**	**For Low Level Nitrosamine Method, LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. NDMA recoveries in all three LFBs (LFB25E20JZ1, LFB25E23JZ1, and LFB25E29JZ1) exceeded 130%. The high recoveries were most likely caused by the interference in the blanks.**
PL-12-800	**5/20/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505200941A) at 0.85 ng/L.**
PL-12-800	**5/20/2025**	For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2505200939A and 2505200940A were within control limits or below the calculable range.
PL-12-800	**5/20/2025**	**For Low Level Nitrosamine Method, The method blank (PB25E23JZ1) extracted on 05/23/2025 contained a peak at NDMA retention but ion ratio did not meet criteria. Results were K flagged.**
ST-4-589	**5/20/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2505140711Y. Affected data are appropriately qualified.**
ST-4-589	**5/20/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505201002C) at 0.7 ng/L.**
ST-4-589	**5/20/2025**	For Low Level Nitrosamine Method, matrix spike and matrix spike duplicate recoveries for sample 2505200956C were within laboratory control limits.
ST-4-589	**5/20/2025**	**For Low Level Nitrosamine Method, LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. NDMA recoveries in all three LFBs (LFB25E20JZ1, LFB25E23JZ1, and LFB25E29JZ1) exceeded 130%. The high recoveries were most likely caused by the interference in the blanks.**
ST-4-589	**5/20/2025**	**For Low Level Nitrosamine Method, The method blank (PB25E23JZ1) extracted on 05/23/2025 contained a peak at NDMA retention but ion ratio did not meet criteria. Results were K flagged.**
B650-EFF-1	**5/21/2025**	**For Low Level Nitrosamine Method, LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. NDMA recoveries in all three LFBs (LFB25E20JZ1, LFB25E23JZ1, and LFB25E29JZ1) exceeded 130%. The high recoveries were most likely caused by the interference in the blanks.**
B650-EFF-1	**5/21/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2505140711Y. Affected data are appropriately qualified.**
B650-EFF-1	**5/21/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505211304) at 0.71 ng/L.**
B650-EFF-1	**5/21/2025**	**For Low Level Nitrosamine Method, The method blank (PB25E23JZ1) extracted on 05/23/2025 contained a peak at NDMA retention but ion ratio did not meet criteria. Results were K flagged.**
B655-EFF-2	**5/21/2025**	**For Low Level Nitrosamine Method, LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. NDMA recoveries in all three LFBs (LFB25E20JZ1, LFB25E23JZ1, and LFB25E29JZ1) exceeded 130%. The high recoveries were most likely caused by the interference in the blanks.**
B655-EFF-2	**5/21/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2505210829) at 0.76 ng/L.**
B655-EFF-2	**5/21/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2505210801) at 0.72 ng/L.**
B655-EFF-2	**5/21/2025**	**For Low Level Nitrosamine Method, The method blank (PB25E23JZ1) extracted on 05/23/2025 contained a peak at NDMA retention but ion ratio did not meet criteria. Results were K flagged.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
BLM-32-543	**5/8/2025**	**For Low Level Nitrosamine Method, LFB spike recovery slightly exceeds the limit for NDMA at 140% in the 05/15/2025 extraction date.**

Well ID	Event Date	SW-846 Method 8270D QA Narratives
BLM-32-543	5/8/2025	For SW-846 Method 8270E, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-32-543	5/8/2025	For SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Initial Calibration Verification (ICV). The field samples analyzed in this sequence did not contain the analyte(s) in question. Since the exceedance equates to a potential high bias, the data quality is not affected. The analytes affected are flagged in the ICV Summary Report. No further action required.
BLM-32-543	5/8/2025	For SW-846 Method 8270E, the lower control limit for the spike recovery of the Duplicate Laboratory Control Sample (LCSD) was exceeded for one or more analyte. The Laboratory Control Sample (LCS) passed limits. There were no detections of the analyte(s) in the associated field samples. The analytes affected are flagged in the LCS Summary. No further action required.
BLM-32-543	**5/8/2025**	**For SW-846 Method 8270D, Benzenesulfonamide, N-butyl- (690 ug/L) and Butane, 2-methoxy-2-methyl- (550 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2505081240B.**
WW-4-419	5/12/2025	For Low Level SW-846 Method 8270E, the lower control limit for the spike recovery of the Duplicate Laboratory Control Sample (LCSD) was exceeded for one or more analyte. The Laboratory Control Sample (LCS) passed limits. There were no detections of the analyte(s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
WW-4-419	**5/12/2025**	**For Low Level SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Initial Calibration Verification (ICV). The field samples analyzed in this sequence did not contain the analyte(s) in question. Since the exceedance equates to a potential high bias, the data quality is not affected. The analytes affected are flagged in the ICV Summary Report.**
WW-4-419	5/12/2025	For Low Level SW-846 Method 8270E, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-4-419	5/12/2025	For Low Level SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. The Duplicate Laboratory Control Sample (LCSD) passed limits. There were no detections of the analyte (s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
WW-4-419	**5/12/2025**	**For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (710 ug/L) and Benzenesulfonamide, N-butyl- (580 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2505121315B.**
WW-4-589	**5/12/2025**	**For Low Level SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Initial Calibration Verification (ICV). The field samples analyzed in this sequence did not contain the analyte(s) in question. Since the exceedance equates to a potential high bias, the data quality is not affected. The analytes affected are flagged in the ICV Summary Report.**
WW-4-589	5/12/2025	For Low Level SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. The Duplicate Laboratory Control Sample (LCSD) passed limits. There were no detections of the analyte (s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
WW-4-589	5/12/2025	For Low Level SW-846 Method 8270E, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Well ID	Event Date	SW-846 Method 8270D QA Narratives
WW-4-589	5/12/2025	For Low Level SW-846 Method 8270E, the lower control limit for the spike recovery of the Duplicate Laboratory Control Sample (LCSD) was exceeded for one or more analyte. The Laboratory Control Sample (LCS) passed limits. There were no detections of the analyte(s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
WW-4-589	**5/12/2025**	**For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (860 ug/L), Benzenesulfonamide, N-butyl- (160 ug/L), and Cyclohexane (20 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2505121330B.**
WW-4-848	**5/13/2025**	**For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (700 ug/L), Benzenesulfonamide, N-butyl- (72 ug/L), Cyclohexane (22 ug/L), and 1,3-Benzenedicarboxylicacid,bis(2-ethylhexyl)ester (18 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2505131205B.**
WW-4-848	5/13/2025	For Low Level SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. The Duplicate Laboratory Control Sample (LCSD) passed limits. There were no detections of the analyte (s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
WW-4-848	5/13/2025	For Low Level SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-4-848	**5/13/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (650 ug/L) and Cyclohexane (19 ug/L) were detected in the method blank (RQ2505910-01).**
WW-4-848	**5/13/2025**	**For Low Level SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Initial Calibration Verification (ICV). The field samples analyzed in this sequence did not contain the analyte(s) in question. Since the exceedance equates to a potential high bias, the data quality is not affected. The analytes affected are flagged in the ICV Summary Report.**
WW-4-848	5/13/2025	For Low Level SW-846 Method 8270E, the lower control limit for the spike recovery of the Duplicate Laboratory Control Sample (LCSD) was exceeded for one or more analyte. The Laboratory Control Sample (LCS) passed limits. There were no detections of the analyte(s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
WW-4-948	5/13/2025	For Low Level SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. The Duplicate Laboratory Control Sample (LCSD) passed limits. There were no detections of the analyte (s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
WW-4-948	**5/13/2025**	**For Low Level SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Initial Calibration Verification (ICV). The field samples analyzed in this sequence did not contain the analyte(s) in question. Since the exceedance equates to a potential high bias, the data quality is not affected. The analytes affected are flagged in the ICV Summary Report.**
WW-4-948	**5/13/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (650 ug/L) and Cyclohexane (19 ug/L) were detected in the method blank (RQ2505910-01).**
WW-4-948	5/13/2025	For Low Level SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-4-948	**5/13/2025**	**For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (490 ug/L), Benzenesulfonamide, N-butyl- (45 ug/L), and Cyclohexane (16 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2505131215B.**
WW-4-948	5/13/2025	For Low Level SW-846 Method 8270E, the lower control limit for the spike recovery of the Duplicate Laboratory Control Sample (LCSD) was exceeded for one or more analyte. The Laboratory Control Sample (LCS) passed limits. There were no detections of the analyte(s) in the associated field samples. The analytes affected are flagged in the LCS Summary.

Well ID	Event Date	SW-846 Method 8270D QA Narratives
400-001-GW	5/22/2025	For SW-846 Method 8270E, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
400-001-GW	**5/22/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (740 ug/L) and Cyclohexane (20 ug/L) were detected in the method blank (RQ2506339-01).**
400-001-GW	**5/22/2025**	**For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (750 ug/L), Cyclohexane (20 ug/L), Butanoic acid, 3-methyl-, butyl ester (7.7 ug/L), and 1,2-BenzenedicarboxylicAcid,mono(2ethylhexyl)ester (4.6 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2505221332C.**
400-001-GW	5/22/2025	For SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
400-001-GW	**5/22/2025**	**For SW-846 Method 8270E, NDMA (4.7 ug/L) in sample 2505221332C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	Total Metals QA Narratives
BLM-36-610	**5/5/2025**	**For Total Metals, Sodium, Total was detected in the Method blank (R2505140-MB) at 0.6 mg/L.**
BLM-36-610	**5/5/2025**	**For Total Metals, multiple analyte results in samples 2505051045Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-36-860	**5/5/2025**	**For Total Metals, Sodium, Total was detected in the Method blank (R2505140-MB) at 0.6 mg/L.**
BLM-36-860	**5/5/2025**	**For Total Metals, multiple analyte results in samples 2505060950Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-36-800	**5/6/2025**	**For Total Metals, multiple analyte results in samples 2505070910Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-36-800	**5/6/2025**	**For Total Metals, Sodium, Total was detected in the Method blank (R2505140-MB) at 0.6 mg/L.**
600-G-138	**5/7/2025**	**For Total Metals, Sodium, Total was detected in the Method blank (R2505140-MB) at 0.6 mg/L.**
600-G-138	**5/7/2025**	**For Total Metals, Sodium, Total was detected in the Method blank (R2505140-MB) at 0.6 mg/L.**
600-G-138	**5/7/2025**	**For Total Metals, multiple analytes result was estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
600-G-138	5/7/2025	For Total Metals, The upper control limit was exceeded for Thallium in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-26-404	**5/7/2025**	**For Total Metals, Sodium, Total was detected in the Method blank (R2505140-MB) at 0.6 mg/L.**
BLM-26-404	**5/7/2025**	**For Total Metals, when analyzed without dilution, the concentration of one or more elements in sample 2505071448C exceeded the associated single element interference check concentration. As per section 9.9.1 of EPA 6010D, affected samples were diluted to reduce the solution concentration of the high concentration element below the interference check concentration, whether or not the high concentration element was an analyte of interest. The dilution has increased the reporting limits accordingly.**
BLM-26-404	**5/7/2025**	**For Total Metals, multiple analyte results in sample 2505071448C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	Total Metals QA Narratives
BLM-36-350	**5/7/2025**	**For Total Metals, Sodium, Total was detected in the Method blank (R2505140-MB) at 0.6 mg/L.**
BLM-36-350	**5/7/2025**	**For Total Metals, multiple analyte results in sample 2505071434Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-24-565	5/9/2025	For Total Metals, relative percent differences (RPD) for duplicate samples 2505090839C and 2505090840C were within control limits or below the calculable range. No further action taken
BLM-24-565	**5/9/2025**	**For Total Metals, multiple analytes result was estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-24-565	5/9/2025	For Total Metals, The upper control limit was exceeded for Thallium in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-24-565	**5/9/2025**	**For Total Metals, Sodium, Total was detected in the Method blank (R2505199-MB) at 0.7 mg/L.**
BLM-24-565	5/9/2025	For Total Metals, sample 2505090839C is incorrectly reported as sample "2505090939C" in the analytical report and the associated EDD file due to a laboratory error. The sample ID was corrected to match the chain of custody and the logbook accordingly. No further action taken.
PL-7-560	**5/12/2025**	**For Total Metals, multiple analyte results in sample 2505121411Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
WW-4-419	**5/12/2025**	**For Total Metals, multiple analyte results in sample 2505121316B are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
WW-4-589	**5/12/2025**	**For Total Metals, multiple analyte results in sample 2505121331B are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-38-620	**5/13/2025**	**For Total Metals, multiple analyte results in sample 2505131021Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
WW-4-848	**5/13/2025**	**For Total Metals, multiple analyte results in sample 2505131206B are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
WW-4-948	**5/13/2025**	**For Total Metals, multiple analyte results in sample 2505131216B are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-38-480	**5/14/2025**	**For Total Metals, multiple analyte results in sample 2505141300Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-8-418	**5/14/2025**	For Total Metals, matrix spike recoveries for sample 2505141006B were within laboratory control limits.
BLM-8-418	**5/14/2025**	**For Total Metals, multiple analyte results in sample 2505141005B are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-1-630	**5/15/2025**	**For Total Metals, multiple analyte results in sample 2505151438C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-1-630	**5/15/2025**	**For Total Metals in blind control sample (2505151527C), the percent recovery for Aluminum (133.3%) was outside of the standard limits (75.0-125.0%), the percent recovery for Iron (0.0%) was outside of the standard limits (75.0-125.0%).**
WB-1-200	**5/15/2025**	**For Total Metals, multiple analyte results in equipment blank 2505150836Y and sample 2505151010Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
WB-1-200	**5/15/2025**	**For Total Metals, Magnesium, Total was detected in the equipment blank (2505150836Y) at 0.06 mg/L. Nickel, Total was detected in the equipment blank (2505150836Y) at 0.01 mg/L. Strontium, Total was detected in the equipment blank (2505150836Y) at 0.02 mg/L. Zinc, Total was detected in the equipment blank (2505150836Y) at 0.023 mg/L. Barium, Total was detected in the equipment blank (2505150836Y) at 0.004 mg/L. Calcium, Total was detected in the equipment blank (2505150836Y) at 0.3 mg/L.**
WB-1-255	**5/15/2025**	**For Total Metals, multiple analyte results in sample 2505151415Y and 2505151416Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	Total Metals QA Narratives
WB-1-255	**5/15/2025**	For Total Metals, relative percent differences (RPD) for duplicate samples 2505151415Y and 2505151416Y were within control limits or below the calculable range.
BLM-22-570	**5/19/2025**	**For Total Metals, multiple analyte results in sample 2505190945C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-22-570	**5/19/2025**	**For Total Metals, Nickle (0.09 mg/L) in sample 2505190945C required 3-fold dilution. The reporting limits are adjusted to reflect the dilution.**
BLM-22-570	**5/19/2025**	**For Total Metals, When analyzed without dilution, the concentration of one or more elements in one or more samples exceeded the associated single element interference check concentration. As per section 9.9.1 of EPA 6010D, affected samples were diluted to reduce the solution concentration of the high concentration element below the interference check concentration, whether or not the high concentration element was an analyte of interest. The dilution has increased the reporting limits accordingly. The analytes affected are flagged accordingly.**
BW-5-295	**5/19/2025**	**For Total Metals, multiple analyte results in sample 2505191403C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
NASA 4	**5/19/2025**	**For Total Metals, multiple analyte results in sample 2505191010A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
600-C-173	**5/20/2025**	**For Total Metals, Calcium (1680 mg/L), Magnesium (1210 mg/L), Sodium (637 mg/L), and Strontium (61.3 mg/L) in sample 2505201418C required 10-fold dilution. The reporting limits are adjusted to reflect the dilution.**
600-C-173	**5/20/2025**	**For Total Metals, When analyzed without dilution, the concentration of one or more elements in one or more samples exceeded the associated single element interference check concentration. As per section 9.9.1 of EPA 6010D, affected samples were diluted to reduce the solution concentration of the high concentration element below the interference check concentration, whether or not the high concentration element was an analyte of interest. The dilution has increased the reporting limits accordingly. The analytes affected are flagged accordingly.**
600-C-173	**5/20/2025**	**For Total Metals, Aluminum, Total was detected in the field blank (2505201420C) at 0.03 mg/L.**
600-C-173	**5/20/2025**	**For Total Metals, multiple analyte results in sample 2505201418C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
600-C-173	**5/20/2025**	**For Total Metals, Aluminum (0.03 mg/L) in equipment blank 2505201420C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
B650-EFF-1	**5/21/2025**	**For Total Metals, multiple analyte results in sample 2505211305 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
B650-INF-1	**5/21/2025**	**For Total Metals, multiple analyte results in sample 2505211334 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
WB-1-330	**5/21/2025**	**For Total Metals, multiple analyte results in sample 2505211338Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
400-001-GW	**5/22/2025**	**For Total Metals, Aluminum (0.06 mg/L), Iron (0.06 mg/L), and Zinc (0.009 mg/L) was detected in the Method blank (R2506030-MB).**
400-001-GW	**5/22/2025**	**For Total Metals, multiple analyte results in sample 2505221335C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	Miscellaneous QA Narratives
BLM-36-610	5/5/2025	For SW-846 Method 6850, sample 2505051048Y is incorrectly reported as sample "2505051048T" in the analytical report and the associated EDD file due to a laboratory error. The sample ID was corrected to match the chain of custody and the logbook accordingly. No further action taken.
BLM-36-610	**5/5/2025**	**For Standard Method 2540C, One or more samples were received with insufficient hold time remaining to complete the analysis within the recommended limit. The analysis**

Well ID	Event Date	Miscellaneous QA Narratives
		was performed as soon as possible after receipt by the laboratory. The data is flagged to indicate the holding time exceedance. Sample -003.
600-G-138	**5/7/2025**	**For Anions, Spike recovery in R2505140-017 was below the acceptance limit (90-110%) for Sulfate (87%) in MS and MSD laboratory control samples. Field samples with detections are flagged accordingly.**
BLM-24-565	**5/9/2025**	**For EPA Method 300.0, Sample (2505091204) required dilution due to the nature of the matrix. The reporting limits are adjusted to reflect the dilution.**
BLM-38-620	**5/13/2025**	**For EPA Method 353.2, analyte Nitrate+Nitrate as Nitrogen (0.006 mg/L) was estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-38-620	**5/13/2025**	**For SW-846 Method 6850, sample 2505131054Y BLM-38-620 was received with insufficient preservation, cooler temperature was out of required range for sample.**
BLM-38-620	5/13/2025	For SW-846 Method 6850, the laboratory control and laboratory matrix spike samples recoveries were within control limits; however perchlorate detections should be considered estimated. No detections in field sample and no further action required.
BLM-38-480	**5/14/2025**	**For SW-846 Method 6850, original analysis of sample 2505141340Y was rejected due to a failed injection of the method blank during initial analysis: 2505141340Y BLM-38-480 (480-229706-2).**
BLM-38-480	**5/14/2025**	**For SW-846 Method 6850, reanalysis of sample 2505141340Y was performed outside of the analytical holding time.**
BLM-8-418	**5/14/2025**	**For SW-846 Method 6850, original analysis of sample 2505141009B was rejected due to a failed injection of the method blank during initial analysis: 2505141009B BLM-8-418 (480-229706-1).**
BLM-8-418	**5/14/2025**	**For SW-846 Method 6850, reanalysis of sample 2505141340Y was performed outside of the analytical holding time.**
BLM-22-570	**5/19/2025**	**For Anions, matrix spike duplucate recovery in R2505778-002DMS was below the acceptance limit (90-110%) for Sulfate (87%). MSD laboratory control samples. Field samples with detections are flagged accordingly.**
PL-12-800	**5/20/2025**	**Parameters were taken using a turbidity and a ph meter, rather than an In-situ.**

Table 8 – WSTF Blank Sample Detections

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
BLM-36-350	07-May-25	Carboy G1	8260	VOA-EB	TIC	Unknown	9.1	ug/L	J TIC
BLM-36-860	05-May-25	Carboy G1	8260	VOA-EB	TIC	Unknown	7.7	ug/L	J TIC
BLM-26-404	07-May-25	Carboy G2	8260	VOA-FB	TIC	Unknown	7.2	ug/L	J TIC
BLM-36-800	06-May-25	Carboy G1	8260	VOA-EB	TIC	Unknown	7	ug/L	J TIC
600-G-138	07-May-25	Carboy G1	8260	VOA-FB	TIC	Unknown	6.3	ug/L	J TIC
BLM-17-493	05-May-25	Carboy G2	8260	VOA-FB	TIC	Unknown	6.2	ug/L	J TIC
BLM-36-610	05-May-25	Carboy G1	8260	VOA-EB	TIC	Unknown	6.1	ug/L	J TIC
BLM-36-610	05-May-25	Carboy G1	8260	VOA-TB	TIC	Unknown	5.9	ug/L	J TIC
BLM-38-620	13-May-25	Carboy G1	8260_LL	VOA-EB	1066-40-6	Silanol, trimethyl-	4	ug/L	J TIC EB
WB-1-255	15-May-25	Carboy G1	8260	VOA-EB	7446-09-5	Sulfur Dioxide	2.1	ug/L	J TIC EB
BLM-38-480	14-May-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	1.94	ng/L	A RB TB EB
ST-5-485	08-May-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	1.63	ng/L	A EB
PL-7-560	12-May-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	1.2	ng/L	RB EB
ST-5-655	08-May-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	1.14	ng/L	A EB
PL-7-560	12-May-25	Carboy G1	8260_LL	VOA-EB	1066-40-6	Silanol, trimethyl-	1.1	ug/L	J TIC EB
BLM-2-630	15-May-25	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.04	ng/L	A K RB TB FB
WW-4-419	12-May-25	Carboy G3	8260_LL	VOA-FB	1066-40-6	Silanol, trimethyl-	1	ug/L	J TIC FB
BLM-2-630	15-May-25	Carboy G3	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	1	ng/L	A K RB TB FB
WB-1-255	15-May-25	Carboy G1	8260	VOA-EB	354-23-4	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.9	ug/L	J EB
BLM-38-620	13-May-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.88	ng/L	RB EB
BLM-8-418	14-May-25	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.88	ng/L	A K RB FB
BLM-22-570	19-May-25	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.87	ng/L	A K RB TB FB
BLM-22-570	19-May-25	Carboy G3	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	0.87	ng/L	A K RB TB FB
BLM-38-480	14-May-25	Carboy G1	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	0.86	ng/L	A K RB TB EB
PL-12-800	20-May-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.85	ng/L	A RB FB
B655-EFF-2	21-May-25	Carboy PF1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.76	ng/L	A RB TB FB
B655-EFF-2	21-May-25	Carboy PF1	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	0.72	ng/L	A RB TB FB
WW-4-948	13-May-25	Carboy	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.72	ng/L	A RB FB
B650-EFF-1	21-May-25	Carboy PF1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.71	ng/L	A K RB FB
ST-4-589	20-May-25	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.7	ng/L	A K RB FB

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
BLM-24-565	09-May-25	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.66	ng/L	A FB
WB-1-255	15-May-25	Carboy G1	8260	VOA-EB	75-43-4	Dichlorofluoromethane (CFC 21)	0.55	ug/L	J EB
WW-4-589	12-May-25	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.49	ng/L	RB FB
BLM-32-543	08-May-25	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.49	ng/L	A FB
WW-4-419	12-May-25	Carboy G3	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	0.45	ng/L	J RB TB FB
WW-4-419	12-May-25	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.43	ng/L	J RB TB FB
WW-4-848	13-May-25	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.43	ng/L	J K FB
WB-1-200	15-May-25	Carboy G1	METALS	METALS-EB	7440-70-2	Calcium, Total	0.3	mg/L	J EB
WB-1-200	15-May-25	Carboy G1	METALS	METALS-EB	7439-95-4	Magnesium, Total	0.06	mg/L	J EB
600-C-173	20-May-25	Carboy G3	METALS	METALS-FB	7429-90-5	Aluminum, Total	0.03	mg/L	J FB
WB-1-200	15-May-25	Carboy G1	METALS	METALS-EB	7440-66-6	Zinc, Total	0.023	mg/L	EB
WB-1-200	15-May-25	Carboy G1	METALS	METALS-EB	7440-24-6	Strontium, Total	0.02	mg/L	J EB
WB-1-200	15-May-25	Carboy G1	METALS	METALS-EB	7440-02-0	Nickel, Total	0.01	mg/L	J EB
600-G-138	07-May-25	Carboy G1	607	NDMA-FB	314-40-9	Bromacil	0.006	µg/L	J FB
WB-1-200	15-May-25	Carboy G1	METALS	METALS-EB	7440-39-3	Barium, Total	0.004	mg/L	J EB

National Aeronautics and Space Administration

Quality Assurance Report for White Sands Test Facility Groundwater Monitoring Data

June 2025

NM8800019434

Report Submitted: December 2025

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1.0 Introduction

The WSTF Groundwater Monitoring Plan (GMP) requires the preparation of a periodic report to assess the quality of groundwater analytical data reported. The monthly Quality Assurance Report (QAR) prepared and reviewed by responsible environmental contractor data management personnel provides the following information:

- A summary of notable anomalies and a follow-up on previous anomalies, if necessary.
- A summary of notable data quality issues by analytical method, if any.
- A list of the sample events for which groundwater samples were collected in June 2025.
- The quantity and type of quality control samples collected or prepared in June 2025.
- Quality control sample percentages in annual period immediately preceding and during June 2025.
- Definitions of data qualifiers used in WSTF analytical data reporting.
- The quantity and type of data qualifiers applied to individual analytical results.
- A list of quality assurance narratives for the month arranged by analytical method.
- A summary table of detections in equipment blank, field blank, and trip blank samples.

2.0 Data Quality

2.1 Notable Anomalies Identified in Previous Quality Assurance Reports

There were no notable anomalies requiring follow-up associated with previous QARs.

2.2 Notable Anomalies

There were no notable anomalies in the groundwater data associated with the June 2025 QAR.

3.0 Data Tables

Table 1 summarizes the groundwater sample events initiated in June 2025. This report is based on data quality issues related to the sample events listed in Table 1. Tables 2 through 8 contain information related to the sample events identified in Table 1. As specified by the GMP, specific quality control samples are utilized to assess the quality of analytical data. Table 2 presents the quantity of quality control samples collected for each analytical method. Table 3 compares the quality control sample percentages collected to the requirements in the GMP. When data quality criteria are not met, data qualifiers are applied to the data. Definitions of data qualifiers used for WSTF chemical analytical data are listed in Table 4. Table 5 and Table 6 present the total number of individual result records and summarize the quantity of field and laboratory data qualifiers assigned to individual analyte result records in the WSTF analytical database. Table 7 provides all quality assurance narratives associated with the sample events in Table 1. Narratives associated with qualified data are identified by **bold text** in Table 7. Table 8 provides a summary of all detections in WSTF blank samples.

Table 1 – Sample Events for June 2025

Well ID	Event Date
PL-11-470	02-Jun-25
PL-4-464	02-Jun-25
ST-1-473	02-Jun-25
PL-11-530	03-Jun-25
PL-11-710	03-Jun-25
BW-4-330	04-Jun-25

Well ID	Event Date
PL-11-820	04-Jun-25
PL-11-980	04-Jun-25
ST-3-735	04-Jun-25
ST-6-528	05-Jun-25
ST-6-568	05-Jun-25
ST-6-678	05-Jun-25

Well ID	Event Date
WW-3-469	05-Jun-25
WW-3-569	05-Jun-25
PL-8-605	06-Jun-25
PL-8-965	06-Jun-25
ST-6-824	06-Jun-25
ST-6-970	06-Jun-25

Well ID	Event Date
PL-8-455	09-Jun-25
PL-8-780	09-Jun-25
ST-4-481	09-Jun-25
ST-4-690	09-Jun-25
600A-001-GW-1	10-Jun-25
600A-002-GW-1	10-Jun-25
ST-3-486	10-Jun-25
ST-3-586	10-Jun-25

Well ID	Event Date
300-001-GSV	11-Jun-25
ST-3-666	11-Jun-25
300-002-GSV	12-Jun-25
BLM-42-569	12-Jun-25
BLM-42-709	12-Jun-25
B655-EFF-2	16-Jun-25
B655-INF-2	16-Jun-25
BLM-27-270	16-Jun-25
BW-7-211	16-Jun-25

Well ID	Event Date
WW-2-489	16-Jun-25
WW-2-664	16-Jun-25
100-E-261	17-Jun-25
B650-EFF-1	17-Jun-25
B650-INF-1	17-Jun-25
BLM-7-509	17-Jun-25
PL-2-504	17-Jun-25
WW-1-452	17-Jun-25

Table 2 – Quantity of Quality Control Samples

Method	Samples	Field Blanks	Equip Blanks	Trip Blanks	Blind Controls	Duplicates	Matrix Spikes
Nitrate plus Nitrite as N by EPA Method 353.2	**11**	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**20**	0	0	0	**1**	**2**	0
Perchlorate by SW-846 Method 6850	**10**	0	0	0	0	0	0
Organics by SW-846 Method 8015M	**2**	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**17**	**16**	**1**	**1**	**1**	**4**	0
Low Level Volatile Organics by SW-846 Method 8260C	**26**	**20**	**6**	**6**	0	**1**	**1**
Semi-Volatile Organics by SW-846 Method 8270D	**14**	0	0	0	0	0	0
Anions by Various EPA Methods	**10**	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**14**	**1**	0	0	**1**	**2**	0
Nitrosamines by Low-Level Method	**28**	**22**	**6**	**5**	**1**	**3**	**1**
Total Dissolved Solids by Standard Method 2540C	**10**	0	0	0	0	0	0

Table 3 – Quality Control Sample Percentages

Quality Control Requirement	Requirement %	Samp. Qty. since May 2024	QC Qty. May 2024	QC % since May 2024	Sample Quantity June 2025	QC Quantity June 2025	QC % June 2025
VOA Duplicates	**10**	572	66	**11.54%**	43	5	**11.63%**
VOA Matrix Spikes	**2**	572	13	**2.27%**	43	1	**2.33%**
607 Duplicates	**10**	347	36	**10.37%**	20	2	**10.00%**
607 Matrix Spikes	**2**	347	6	**1.73%**	20	0	**0.00%**
607 Equipment Blanks	**2**	347	7	**2.02%**	20	0	**0.00%**
607 Field Blanks	**2**	347	11	**3.17%**	20	0	**0.00%**
NDMA_LL Duplicates	**10**	335	38	**11.34%**	28	3	**10.71%**
NDMA_LL Matrix Spikes	**2**	335	13	**3.88%**	28	1	**3.57%**
Metals Duplicates	**10**	242	25	**10.33%**	14	2	**14.29%**
Metals Matrix Spikes	**2**	242	7	**2.89%**	14	0	**0.00%**
Metals Equipment Blanks	**5**	242	9	**3.72%**	14	0	**0.00%**
Metals Field Blanks	**5**	242	16	**6.61%**	14	1	**7.14%**

Quality Control Requirement	Requirement %	Samp. Qty. since May 2024	QC Qty. May 2024	QC % since May 2024	Sample Quantity June 2025	QC Quantity June 2025	QC % June 2025
VOA Equipment Blanks and Field Blanks	*Should approach 100%*	558	558	**100%**	43	43	**100%**
Low Level Nitrosamine Equipment Blanks and Field Blanks	*Should approach 100%*	326	326	**100%**	28	28	**100%**

Quality Control Requirement	Requirement %	Shipments since May 2024	TB Qty. since May 2024	TB % since May 2024	Shipments in June 2025	TB Quantity June 2025	QC % June 2025
VOA Trip Blank (per shipment)	*Should approach 100%*	104	104	**100%**	7	7	100%
Low Level Nitrosamine Trip Blank (per shipment)	*Should approach 100%*	84	84	**100%**	5	5	100%

Table 4 – Definitions of Data Qualifiers

Qualifier	Definition
*	User defined qualifier. See quality assurance narrative.
A	The result of an analyte for a laboratory control sample (LCS), initial calibration verification (ICV) or continuing calibration verification (CCV) was outside standard limits.
AD	Relative percent difference for analyst (laboratory) duplicates was outside standard limits.
D	The reported result is from a dilution.
EB	The analyte was detected in the equipment blank.
FB	The analyte was detected in the field blank.
G	The result is an estimated value greater than the upper calibration limit.
i	The result, quantitation limit, and/or detection limit may have been affected by matrix interference.
J	The result is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
K	The peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration.
NA	The value/result was either not analyzed for or not applicable.
ND	The analyte was not detected above the detection limit.
Q	The result for a blind control sample was outside standard limits.
QD	The relative percent difference for a field duplicate was outside standard limits.
R	The result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
RB	The analyte was detected in the method blank.
S	The result was determined by the method of standard addition.
SP	The matrix spike recovery and/or the relative percent difference for matrix spike duplicates was outside standard limits.
T	The sample was analyzed outside the specified holding time or temperature.
TB	The analyte was detected in the trip blank.
TIC	The analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.

Table 5 – Quantity of Field Based Data Qualifiers Assigned to Individual Result Records

Method	Total Result Records	FB	EB	TB	Q	QD	SP	R
Nitrate plus Nitrite as N by EPA Method 353.2	**11**	0	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**69**	0	0	0	**1**	0	0	**3**
Perchlorate by SW-846 Method 6850	**10**	0	0	0	0	0	0	0
Organics by SW-846 Method 8015M	**2**	0	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**1349**	0	0	0	**4**	0	0	0
Low Level Volatile Organics by SW-846 Method 8260C	**1733**	0	0	0	0	0	0	0
Semi-Volatile Organics by SW-846 Method 8270D	**730**	0	0	0	0	0	0	0
Anions by Various EPA Methods	**40**	0	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**432**	**2**	0	0	**3**	0	0	0
Nitrosamines by Low-Level Method	**62**	**1**	**1**	0	0	0	0	0

Table 6 – Quantity of Laboratory based Data Qualifiers Assigned to Individual Result Records

Method	Total Result Records	*	A	AD	G	RB	T	D	i	J	K
Nitrate plus Nitrite as N by EPA Method 353.2	**11**	0	0	0	0	0	0	0	0	**1**	0
Nitrosamines by EPA Method 607	**69**	0	0	0	**2**	0	0	**3**	0	**7**	0
Perchlorate by SW-846 Method 6850	**10**	0	0	0	0	**1**	0	0	0	**1**	0
Organics by SW-846 Method 8015M	**2**	0	0	0	0	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**1349**	0	**2**	0	0	0	**3**	**3**	0	**21**	0
Low Level Volatile Organics by SW-846 Method 8260C	**1733**	0	0	0	0	0	0	0	0	**4**	0
Semi-Volatile Organics by SW-846 Method 8270D	**730**	0	0	0	0	0	0	0	0	0	0
Anions by Various EPA Methods	**40**	0	0	0	0	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**432**	0	0	0	0	**17**	0	0	0	**98**	0
Nitrosamines by Low-Level Method	**62**	0	**6**	0	0	0	0	0	0	**3**	**2**

Table 7 – Quality Assurance Narratives

Well ID	Event Date	SW-846 Method 8260 QA Narratives
PL-11-470	**6/2/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine was detected in the field blank (2506021346B) at 11.0 ug/L. Silane, methoxytrimethyl- was detected in the field blank (2506021346B) at 1.1 ug/L.**
PL-11-470	**6/2/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine was detected in the trip blank (2506021000B) at 9.4 ug/L. Silane, methoxytrimethyl- was detected in the trip blank (2506021000B) at 2.1 ug/L.**
PL-11-470	6/2/2025	For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine (9.4 ug/L, 44 ug/L, and 11 ug/L), and Silane, methoxytrimethyl- (2.1 ug/L, 0 ug/L, and 1.1 ug/L)) are estimated values and tentatively identified by a GC/MS library search in samples 2506021000B, 2506021345B, and 2506021346B.
PL-11-470	6/2/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
PL-11-470	**6/2/2025**	**For Low Level SW-846 Method 8260C, tentatively identified compound (2-Aziridinylethyl)amine (9.8 ug/L) was detected in the method blank (RQ2506339-01).**
PL-4-464	6/2/2025	For SW-846 Method 8260C, there were no detections in the field blank.
PL-4-464	6/2/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken. Acrolein >40%
ST-1-473	**6/2/2025**	**For SW-846 Method 8260C, 2-Butanone (MEK) was detected in the field blank (2506021031A) at 1.0 ug/L.**
ST-1-473	6/2/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken. Acrolein >40%
ST-1-473	**6/2/2025**	**For SW-846 Method 8260C, CFC 123a (0.49 ug/L) and CFC 21 (0.28 ug/L) in sample 2506021030A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-1-473	**6/2/2025**	**For SW-846 Method 8260C, 2-Butanone (1 ug/L) in field blank 2506021031A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-11-530	**6/3/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine was detected in the field blank (2506031212B) at 11.0 ug/L.**
PL-11-530	6/3/2025	For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine (40 ug/L and 11 ug/L)is an estimated value and tentatively identified by a GC/MS library search in sample 2506031211B and field blank 2506031212B.
PL-11-530	**6/3/2025**	**For Low Level SW-846 Method 8260C, tentatively identified compound (2-Aziridinylethyl)amine (9.8 ug/L) was detected in the method blank (RQ2506339-01).**
PL-11-530	6/3/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PL-11-710	6/3/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PL-11-710	**6/3/2025**	**For Low Level SW-846 Method 8260C, tentatively identified compound (2-Aziridinylethyl)amine (9.8 ug/L) was detected in the method blank (RQ2506339-01).**
PL-11-710	**6/3/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine (44 ug/L and 12 ug/L), and Silane, methoxytrimethyl- (2.1 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2506031226B and field blank 2506031227B.**
PL-11-710	**6/3/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine was detected in the field blank (2506031227B) at 12.0 ug/L.**
BW-4-330	6/4/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BW-4-330	6/4/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken. Acrolein >40%.
BW-4-330	**6/4/2025**	**For SW-846 Method 8260C, cis-1,2-Dichloroethene (0.62 ug/L) in sample 2506041310C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-11-820	6/4/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		The data quality was not significantly affected and no further corrective action was taken. Acrolein >40%.
PL-11-820	6/4/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
PL-11-820	6/4/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PL-11-820	6/4/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
PL-11-820	6/4/2025	For Low Level SW-846 Method 8260C, Toluene (0.26 ug/L) in sample 2506041210B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
PL-11-820	6/4/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PL-11-820	6/4/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
PL-11-980	6/4/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken. Acrolein >40%.
PL-11-980	6/4/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-3-735	6/4/2025	For Low Level SW-846 Method 8260D, PCE (0.36 ug/L) in sample 2506041420A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
ST-3-735	6/4/2025	For SW-846 Method 8260C, there were no detections in the field blank.
ST-3-735	6/4/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken. Acrolein >40%.
ST-6-528	6/5/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-6-528	6/5/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
ST-6-528	6/5/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-6-528	6/5/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
ST-6-528	6/5/2025	For Low Level SW-846 Method 8260C, 1,4-Dioxane, 2,5-dimethyl- (0.66 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506051301B.
ST-6-568	6/5/2025	For Low Level SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2506051311B and 2506051312B were within control limits or below the calculable range.
ST-6-568	6/5/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL).

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
ST-6-568	6/5/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-6-568	6/5/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-6-678	6/5/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
ST-6-678	6/5/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-6-678	6/5/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
ST-6-678	**6/5/2025**	**For Low Level SW-846 Method 8260C, 1,4-Dioxane, 2,5-dimethyl- (0.86 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506051321B.**
ST-6-678	6/5/2025	For Low Level SW-846 Method 8260C, Toluene (0.22 ug/L) in sample 2506051321B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
ST-6-678	6/5/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
WW-3-469	6/5/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-3-469	6/5/2025	For Low Level SW-846 Method 8260C, 1-Hexanol, 2-ethyl- (0.56 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample equipment blank 2506051310Y is an estimated values less than the quantitation limit, but greater than or equal to the detection limit.
WW-3-469	6/5/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-3-469	**6/5/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- was detected in the equipment blank (2506051020Y) at 2.2 ug/L.**
WW-3-469	**6/5/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- (2.2 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample equipment blank 2506051020Y.**
WW-3-569	6/5/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-3-569	6/5/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
WW-3-569	**6/5/2025**	**For Low Level SW-846 Method 8260C, Sulfur Dioxide was detected in the equipment blank (2506050840Y) at 1.4 ug/L.**
WW-3-569	6/5/2025	For Low Level SW-846 Method 8260C, Sulfur Dioxide (1.4 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample equipment blank 2506050840Y.
PL-8-605	6/6/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
PL-8-605	6/6/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PL-8-605	6/6/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
PL-8-605	**6/6/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- (0.89 ug/L) is an estimated value and tentatively identified by a GC/MS library search in equipment blank 2506060835Y.**
PL-8-605	**6/6/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- was detected in the equipment blank (2506060835Y) at 0.89 ug/L.**
PL-8-965	6/6/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PL-8-965	6/6/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
PL-8-965	6/6/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
PL-8-965	6/6/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
ST-6-824	6/6/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-6-824	6/6/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
ST-6-824	6/6/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
ST-6-824	6/6/2025	For Low Level SW-846 Method 8260C, 1,4-Dioxane, 2,5-dimethyl- (2.6 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample equipment blank 2506061221B.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
ST-6-824	6/6/2025	For Low Level SW-846 Method 8260C, 1,4-Dioxane (15 ug/L) and Toluene (0.35 ug/L) in sample 2506061221B is an estimated values less than the quantitation limit, but greater than or equal to the detection limit.
ST-6-824	6/6/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-6-970	6/6/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
ST-6-970	6/6/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-6-970	6/6/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
ST-6-970	6/6/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PL-8-455	6/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
PL-8-455	6/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
PL-8-780	**6/9/2025**	**For Low Level SW-846 Method 8260C, Silane, methoxytrimethyl- was detected in the equipment blank (2506091345Y) at 0.96 ug/L.**
PL-8-780	**6/9/2025**	**For Low Level SW-846 Method 8260C, Silane, methoxytrimethyl- (0.96 ug/L) is an estimated value and tentatively identified by a GC/MS library search in equipment blank 2506091345Y.**
ST-4-481	6/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-4-481	**6/9/2025**	**For Low Level SW-846 Method 8260C, Sulfur Dioxide (2.1 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample equipment blank 2506091425C.**
ST-4-690	6/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
600A-001-GW-1	6/10/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
600A-001-GW-1	6/10/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
600A-001-GW-1	6/10/2025	For SW-846 Method 8260C, Sulfur Dioxide (2.1 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample equipment blank 2506091425C.
600A-001-GW-1	**6/10/2025**	**For SW-846 Method 8260C, Sulfur Dioxide was detected in the field blank (2506101001A) at 1.2 ug/L.**
600A-001-GW-1	6/10/2025	For SW-846 Method 8260E, 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.21 ug/L) in sample 2506101000A is an estimated values less than the quantitation limit, but greater than or equal to the detection limit.
600A-002-GW-1	**6/10/2025**	**For SW-846 Method 8260C, Silane, methoxytrimethyl- (0.86 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample equipment blank 2506101420A.**
600A-002-GW-1	6/10/2025	For SW-846 Method 8260C, there were no detections in the field blank.
ST-3-486	6/10/2025	For SW-846 Method 8260C, there were no detections in the field blank.
ST-3-586	6/10/2025	For SW-846 Method 8260C, there were no detections in the field blank.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
ST-3-586	6/10/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2506101425C and 2506101426C were within control limits or below the calculable range.
300-001-GSV	**6/11/2025**	**For SW-846 Method 8260C, the upper control limit (70-130%) for the Laboratory Control Sample (LCS) was exceeded for CFC 11 (140%). The analytes affected are flagged accordingly.**
300-001-GSV	**6/11/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2506111011A) at 10.0 ug/L.**
300-001-GSV	**6/11/2025**	**For SW-846 Method 8260C, Unknown was detected in the trip blank (2506110730A) at 9.7 ug/L.**
300-001-GSV	**6/11/2025**	**For SW-846 Method 8260C, one unkown compound (9.7 ug/L and 10 ug/L) is an estimated value and tentatively identified by a GC/MS library search in trip blank 2506110730A and field blank 2506111011A.**
300-001-GSV	6/11/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
300-001-GSV	6/11/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
300-001-GSV	6/11/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
300-001-GSV	6/11/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
300-001-GSV	6/11/2025	For SW-846 Method 8260C, 1-Methyl-1H-1,2,4-triazole (1.3 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506111010A.
300-001-GSV	6/11/2025	For SW-846 Method 8260C, CFC 21 (0.47 ug/L) in sample 2506111010A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
300-001-GSV	6/11/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
ST-3-666	**6/11/2025**	**For SW-846 Method 8260C, Trimethylsilyl fluoride (1.3 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506110920C.**
ST-3-666	**6/11/2025**	**For SW-846 Method 8260C, the upper control limit (70-130%) for the Laboratory Control Sample (LCS) was exceeded for CFC 11 (140%). The analytes affected are flagged accordingly.**
ST-3-666	6/11/2025	For SW-846 Method 8260C, one unkown compound (5.2 ug/L and 10 ug/L) is an estimated value and tentatively identified by a GC/MS library search in field blank 2506110921C.
ST-3-666	**6/11/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2506110921C) at 5.2 ug/L.**
ST-3-666	6/11/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
ST-3-666	6/11/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-3-666	6/11/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
ST-3-666	6/11/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
ST-3-666	6/11/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
300-002-GSV	6/12/2025	For SW-846 Method 8260E, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
300-002-GSV	**6/12/2025**	**For SW-846 Method 8260E, Cyclohexane (1.4 ug/L), 4-Methyl-2-pentanone (0.76 ug/L), 1,2,3-Trichloropropane (0.4 ug/L) in sample 2506121011A is an estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-002-GSV	**6/12/2025**	**For SW-846 Method 8260C, 1,2,3-Trichloropropane was detected in the field blank (2506121011A) at 0.4 ug/L. 4-Methyl-2-pentanone was detected in the field blank (2506121011A) at 0.76 ug/L. Carbon Tetrachloride was detected in the field blank (2506121011A) at 10.0 ug/L. Cyclohexane was detected in the field blank (2506121011A) at 1.4 ug/L.**
300-002-GSV	6/12/2025	For SW-846 Method 8260E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
300-002-GSV	6/12/2025	For SW-846 Method 8260E, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
300-002-GSV	6/12/2025	For SW-846 Method 8260E, TCE (0.58 ug/L) in sample 2506121010A is an estimated values less than the quantitation limit, but greater than or equal to the detection limit.
BLM-42-569	**6/12/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- was detected in the trip blank (2506120705C) at 1.9 ug/L.**
BLM-42-569	6/12/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
BLM-42-569	6/12/2025	For Low Level SW-846 Method 8260C, Silanol, trimethyl- (1.9 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506120705C.
BLM-42-569	6/12/2025	For Low Level SW-846 Method 8260C, Benzene, 1-bromo-3-fluoro- (41 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506120950C.
BLM-42-569	6/12/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BLM-42-569	6/12/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-42-569	6/12/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
BLM-42-709	**6/12/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- was detected in the field blank (2506121426C) at 2.8 ug/L.**
BLM-42-709	6/12/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-42-709	6/12/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-42-709	6/12/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
BLM-42-709	**6/12/2025**	**For Low Level SW-846 Method 8260C, Silanol, trimethyl- (2.8 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506121426C.**
B655-EFF-2	6/16/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
B655-EFF-2	**6/16/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine was detected in the field blank (2506161229) at 7.5 ug/L.**
B655-EFF-2	6/16/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
B655-EFF-2	6/16/2025	For Low Level SW-846 Method 8260C, the control limits were exceeded for one or more surrogates. A reanalysis was not performed because there were no signifcant target hits in the samples. No further corrective action was possible.
B655-EFF-2	6/16/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
B655-EFF-2	6/16/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
B655-EFF-2	6/16/2025	For Low Level SW-846 Method 8260C, Cyclotetrasiloxane, octamethyl- (0.7 ug/L), is an estimated value and tentatively identified by a GC/MS library search in sample 2506161228.
B655-EFF-2	**6/16/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine (22 ug/L and 7.5 ug/L), are estimated values and tentatively identified by a GC/MS library search in sample 2506161228 and field blank 2506161229.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
B655-EFF-2	**6/16/2025**	**For Low Level SW-846 Method 8260C, tentatively identified compound (2-Aziridinylethyl)amine (7.3 ug/L) was detected in the method blank (RQ2507981-03).**
B655-INF-2	6/16/2025	For SW-846 Method 8260C, there were no detections in the field blank.
B655-INF-2	6/16/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2506161257 and 2506161258 were within control limits or below the calculable range.
B655-INF-2	**6/16/2025**	**For SW-846 Method 8260E, 1,1-Dichloroethene (0.73 ug/L) in samples 2506161257 and 2506161258 and 4-Methyl-2-pentanone (0.76 ug/L) in sample 2506161258 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
B655-INF-2	6/16/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
B655-INF-2	6/16/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
B655-INF-2	**6/16/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (190 ug/L) in sample 2506161257 required 2.5-fold dilution. The reporting limits are adjusted to reflect the dilution.**
B655-INF-2	**6/16/2025**	**For SW-846 Method 8260C, analysis for 1,1,2-Trichloro-1,2,2-Trifluoroethane in samples 2506161257 and 2506161258 was initially performed within the recommended holding time. Reanalysis at a dilution was required. The reanalysis was performed past the recommended holding time.**
B655-INF-2	6/16/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was taken.
B655-INF-2	6/16/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
B655-INF-2	6/16/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-27-270	6/16/2025	For SW-846 Method 8260C, there were no detections in the equipment blank.
BLM-27-270	6/16/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-27-270	6/16/2025	For SW-846 Method 8260C, analysis for 1,1,2-Trichloro-1,2,2-Trifluoroethane in sample 2506161333A was initially performed within the recommended holding time. Reanalysis at a dilution was required. The reanalysis was performed past the recommended holding time.
BLM-27-270	6/16/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was taken.
BLM-27-270	6/16/2025	For SW-846 Method 8260E, 1,1-Dichloroethene (0.28 ug/L) in samples 2506161333A iis an estimated value less than the quantitation limit, but greater than or equal to the detection limit.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BLM-27-270	**6/16/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (190 ug/L) in sample 2506161333A required 5-fold dilution. The reporting limits are adjusted to reflect the dilution.**
BLM-27-270	**6/16/2025**	**For SW-846 Method 8260C, analysis for 1,1,2-Trichloro-1,2,2-Trifluoroethane in sample 2506161333A was initially performed within the recommended holding time. Reanalysis at a dilution was required. The reanalysis was performed past the recommended holding time.**
BW-7-211	6/16/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2506160950A and 2506160951A were within control limits or below the calculable range.
BW-7-211	6/16/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BW-7-211	6/16/2025	For SW-846 Method 8260E, CFC 21 (0.51 ug/L and 0.66 ug/L) in samples 2506160950A and 2506160951A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.
WW-2-489	6/16/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was taken.
WW-2-489	6/16/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-2-489	**6/16/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine was detected in the field blank (2506160831C) at 8.1 ug/L. Cyclotetrasiloxane, octamethyl- was detected in the field blank (2506160831C) at 0.61 ug/L.**
WW-2-489	**6/16/2025**	**For Low Level SW-846 Method 8260C, Cyclotetrasiloxane, octamethyl- was detected in the trip blank (2506160720C) at 0.78 ug/L.**
WW-2-489	6/16/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-2-489	6/16/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-2-489	**6/16/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine (18 ug/L and 8.1 ug/L), is an estimated value and tentatively identified by a GC/MS library search in sample 2506160830C and field blank 2506160831C.**
WW-2-489	**6/16/2025**	**For Low Level SW-846 Method 8260C, tentatively identified compound (2-Aziridinylethyl)amine (7.3 ug/L) was detected in the method blank (RQ2507981-03).**
WW-2-489	6/16/2025	For Low Level SW-846 Method 8260C, Cyclotetrasiloxane, octamethyl- (0.64 ug/L, 0.78 ug/L, and 0.61 ug/L)), is an estimated value and tentatively identified by a GC/MS library search in sample 2506160830C, trip blank 2506160720C and field blank 2506160831C.
WW-2-664	6/16/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-2-664	6/16/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-2-664	6/16/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
WW-2-664	6/16/2025	For EPA method 8260_LL, matrix spike recovery for sample 2506161001C for Iodomethane (44%) was within laboratory control limits (18-160%). The relative percent difference (RPD) for Iodomethane (48%) was exceeded control limits (48%). No groundwater data are affected by this QC issue.
WW-2-664	**6/16/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine (19 ug/L and 8.1 ug/L), Trimethylsilyl fluoride (2.2 ug/L), and Silane, methoxytrimethyl- (1.6 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506160830C and field blank 2506161000C.**
100-E-261	6/17/2025	For SW-846 Method 8260C, there were no detections in the field blank.
100-E-261	6/17/2025	For SW-846 Method 8260E, 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.98 ug/L) in samples 2506170840A iis an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
100-E-261	**6/17/2025**	**For Low Level SW-846 Method 8260C, Trimethylsilyl fluoride (1.5 ug/L), is an estimated value and tentatively identified by a GC/MS library search in sample 2506170840A.**
B650-EFF-1	**6/17/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine (21 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample2506170945.**
B650-EFF-1	6/17/2025	For Low Level SW-846 Method 8260C, the recovery of surrogate dibromofluoromethane (118%) in sample 2506170946 was outside laboratory control limits (80-116%). A reanalysis was not performed because there were no signifcant target hits in the samples. No further corrective action was possible.
B650-EFF-1	**6/17/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine (9.2 ug/L), Silane, methoxytrimethyl- (0.92 ug/L), and Cyclotetrasiloxane, octamethyl- (0.51 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506170946.**
B650-EFF-1	**6/17/2025**	**For Low Level SW-846 Method 8260C, tentatively identified compound (2-Aziridinylethyl)amine (7.3 ug/L) was detected in the method blank (RQ2507981-03).**
B650-EFF-1	**6/17/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine was detected in the field blank (2506170946) at 9.2 ug/L. Cyclotetrasiloxane, octamethyl- was detected in the field blank (2506170946) at 0.51 ug/L. Silane, methoxytrimethyl- was detected in the field blank (2506170946) at 0.92 ug/L.**
B650-EFF-1	6/17/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
B650-EFF-1	6/17/2025	For Low Level SW-846 Method 8260C, he upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
B650-INF-1	**6/17/2025**	**For SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2506171001) at 5.8 ug/L.**
B650-INF-1	6/17/2025	For Low Level SW-846 Method 8260D, PCE (0.69 ug/L) in sample 2506171000 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
B650-INF-1	**6/17/2025**	**For SW-846 Method 8260C, Carbon Dioxide was detected in the method blank (RQ2508257-06) at 5.9 ug/L.**
B650-INF-1	6/17/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was taken.
B650-INF-1	6/17/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
B650-INF-1	6/17/2025	For SW-846 Method 8260D, Carbon Dioxide (21 ug/L and 5.8 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506171000 and field blank 2506171001.
BLM-7-509	6/17/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-7-509	6/17/2025	For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine (21 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506170940C.
BLM-7-509	**6/17/2025**	**For Low Level SW-846 Method 8260C, tentatively identified compound (2-Aziridinylethyl)amine (7.3 ug/L) was detected in the method blank (RQ2507981-03).**
BLM-7-509	6/17/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-7-509	6/17/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
BLM-7-509	6/17/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-7-509	6/17/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-7-509	6/17/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PL-2-504	6/17/2025	For SW-846 Method 8260C in blind control sample (2506171030C), the percent recovery for 1,1,2-Trichloro-1,2,2-trifluoroethane (48.5%) was outside of the standard limits (75.0-125.0%), the percent recovery for Trichlorofluoromethane (55.0%) was outside of the standard limits (75.0-125.0%).
PL-2-504	**6/17/2025**	**For SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2506170832C) at 5.8 ug/L.**
PL-2-504	6/17/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2506170830C and 2506170831C were within control limits or below the calculable range.
PL-2-504	**6/17/2025**	**For Low Level SW-846 Method 8260D, PCE (0.93 ug/L and 0.94 ug/L), CFC 21 (0.61 ug/L and 0.65 ug/L), and CFC 123a (0.26 ug/L 0.2 ug/L) in samples 2506170830C and 2506170831C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-2-504	6/17/2025	For SW-846 Method 8260C, Trimethylsilyl fluoride (21 ug/L) in sample 2506170831C and Carbon Dioxide (5.8 ug/L) in field blank 2506170832C are estimated values and tentatively identified by a GC/MS library search .
PL-2-504	6/17/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was taken.
PL-2-504	6/17/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-1-452	6/17/2025	For Low Level SW-846 Method 8260C, the recovery of surrogate dibromofluoromethane (123%) in sample 2506171346A was outside laboratory control limits (80-116%). A reanalysis was not performed because there were no signifcant target hits in the samples. No further corrective action was possible.
WW-1-452	6/17/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further action was taken.
WW-1-452	**6/17/2025**	**For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine was detected in the field blank (2506171346A) at 7.0 ug/L.**
WW-1-452	6/17/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-1-452	6/17/2025	For Low Level SW-846 Method 8260C, (2-Aziridinylethyl)amine (22 ug/L and 7 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506171345A and field blank 2506171346A.
WW-1-452	6/17/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-1-452	6/17/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Well ID	Event Date	Modified EPA Method 607 QA Narratives
ST-1-473	**6/2/2025**	**For Modified EPA Method 607, Bromacil (0.008 ug/L) in sample 2506021032A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
ST-3-735	**6/4/2025**	**For Modified EPA Method 607, Bromacil (0.006 ug/L) in samples 2506041422A and 2506041423A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
ST-3-735	6/4/2025	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2506041422A and 2506041423A were within control limits or below the calculable range.
ST-3-486	**6/10/2025**	**For Modified EPA Method 607, NDMA (0.008 ug/L) and DMN (0.008 ug/L) in samples 2506100917C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-001-GSV	**6/11/2025**	**For Modified EPA Method 607, origianl results for NDMA and DMN in sample 2506111012A exceeded the callibration curve and are rejected due to sample dilution 80-fold for reanalysis. Diluted NDMA and DMN samples are retained and the original samples are maintained in the QA data only.**
300-001-GSV	**6/11/2025**	**For Modified EPA Method 607, Diluted result for Bromacil in sample 2506111012A is rejected due to sample dilution 80-fold for NDMA and DMN reanalysis. Original bromacil sample is retained.**
B655-INF-2	6/16/2025	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2506161300 and 2506161301 were within control limits or below the calculable range.
PL-2-504	**6/17/2025**	**For Modified EPA Method 607, NDMA (0.008 ug/L) and Bromacil (0.005 ug/L) in samples 2506170833C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	Modified EPA Method 607 QA Narratives
PL-2-504	**6/17/2025**	**For Modified EPA Method 607 in blind control sample (2506171031C), the percent recovery for Bromacil (40.0%) was outside of the standard limits (50.0-190.0%).**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
PL-11-470	6/2/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
PL-11-470	6/2/2025	For Low Level Nitrosamine Method in blind control sample (2506021410B), all recoveries were within standard limits.
PL-11-470	6/2/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-11-470	6/2/2025	For Low Level Nitrosamine Method, the laboratory field blank (LFB) recoveries for NDMA exceeded acceptance limits at 153% and DMN recovery was within the acceptance limit of 70-130%. Spike recoveries in the LCS all met acceptance limits. There was NDMA detected in the blank below the MDL, but not enough to account for the higher recovery in the LFB. Also, the LCS was on the high end of the acceptance range. It is possible that the matrix spike solution had concentrated, leading to an elevated recovery. No further action required.
PL-4-464	6/2/2025	For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2506021412A and 2506021413A were within control limits or below the calculable range.
PL-4-464	6/2/2025	For Low Level Nitrosamine Method, the laboratory field blank (LFB) recoveries for NDMA exceeded acceptance limits at 153% and DMN recovery was within the acceptance limit of 70-130%. Spike recoveries in the LCS all met acceptance limits. There was NDMA detected in the blank below the MDL, but not enough to account for the higher recovery in the LFB. Also, the LCS was on the high end of the acceptance range. It is possible that the matrix spike solution had concentrated, leading to an elevated recovery. No further action required.
PL-4-464	6/2/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-11-530	6/3/2025	For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2506031213B and 2506031215B were within control limits or below the calculable range.
PL-11-530	6/3/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-11-530	6/3/2025	For Low Level Nitrosamine Method, the laboratory field blank (LFB) recoveries for NDMA exceeded acceptance limits at 153% and DMN recovery was within the acceptance limit of 70-130%. Spike recoveries in the LCS all met acceptance limits. There was NDMA detected in the blank below the MDL, but not enough to account for the higher recovery in the LFB. Also, the LCS was on the high end of the acceptance range. It is possible that the matrix spike solution had concentrated, leading to an elevated recovery. No further action required.
PL-11-710	6/3/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-11-710	6/3/2025	For Low Level Nitrosamine Method, the laboratory field blank (LFB) recoveries for NDMA exceeded acceptance limits at 153% and DMN recovery was within the acceptance limit of 70-130%. Spike recoveries in the LCS all met acceptance limits. There was NDMA detected in the blank below the MDL, but not enough to account for the higher recovery in the LFB. Also, the LCS was on the high end of the acceptance range. It is possible that the matrix spike solution had concentrated, leading to an elevated recovery. No further action required.
PL-11-820	6/4/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
PL-11-820	**6/4/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2506041213B) at 0.54 ng/L.**
PL-11-820	6/4/2025	For Low Level Nitrosamine Method, the laboratory field blank (LFB) recoveries for NDMA exceeded acceptance limits at 153% and DMN recovery was within the acceptance limit of 70-130%. Spike recoveries in the LCS all met acceptance limits. There was NDMA detected in the blank below the MDL, but not enough to account for the higher recovery in the LFB. Also, the LCS was on the high end of the acceptance range. It is possible that the matrix spike solution had concentrated, leading to an elevated recovery. No further action required.
PL-11-980	6/4/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-11-980	6/4/2025	For Low Level Nitrosamine Method, the laboratory field blank (LFB) recoveries for NDMA exceeded acceptance limits at 153% and DMN recovery was within the acceptance limit of 70-130%. Spike recoveries in the LCS all met acceptance limits. There was NDMA detected

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
		in the blank below the MDL, but not enough to account for the higher recovery in the LFB. Also, the LCS was on the high end of the acceptance range. It is possible that the matrix spike solution had concentrated, leading to an elevated recovery. No further action required.
ST-6-528	6/5/2025	For Low Level Nitrosamine Method, For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.44 ng/L) in sample 2506051303B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
ST-6-528	6/5/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
ST-6-528	6/5/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
ST-6-568	6/5/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
ST-6-678	6/5/2025	For Low Level Nitrosamine Method, For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.37 ng/L) in sample 2506051323B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
ST-6-678	6/5/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2506051323B. Affected data are appropriately qualified.
ST-6-678	6/5/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-3-469	6/5/2025	For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2506051311Y and 2506051340Y were within control limits or below the calculable range.
WW-3-469	6/5/2025	For Low Level Nitrosamine Method, there were no detections in the equipment blank.
WW-3-569	**6/5/2025**	**For Low Level Nitrosamine Method, For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.36 ng/L) in sample 2506050841Y is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-3-569	**6/5/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2506050841Y) at 0.36 ng/L.**
PL-8-605	**6/6/2025**	For Low Level Nitrosamine Method, for sample 2506060941Y N-Nitrosodimethylamine-d6 (NDMA-d6) and N-Nitrodimethylamine-d6 (DMN-d6) was outside laboratory control limits (10-100%). A peak was detected for NDMA, although it was below the MDL. There is no impact to the data. No further action required.
PL-8-605	6/6/2025	For Low Level Nitrosamine Method, there were no detections in the equipment blank.
PL-8-965	**6/6/2025**	**For Low Level Nitrosamine Method, For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.39 ng/L) in sample 2506061041Y is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-8-965	**6/6/2025**	For Low Level Nitrosamine Method, for sample 2506061221Y N-Nitrosodimethylamine-d6 (NDMA-d6) and N-Nitrodimethylamine-d6 (DMN-d6) was outside laboratory control limits (10-100%). A peak was detected for NDMA, although it was below the MDL. There is no impact to the data. No further action required.
ST-6-824	6/6/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
ST-6-824	6/6/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2506061223B. Affected data are appropriately qualified.
ST-6-970	6/6/2025	For Low Level Nitrosamine Method, For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.37 ng/L) in sample 2506061233B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
ST-6-970	6/6/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-8-455	**6/9/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2506090831Y) at 0.74 ng/L.**
PL-8-455	6/9/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
PL-8-780	**6/9/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2506091346Y) at 0.53 ng/L.**
ST-4-481	6/9/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
ST-4-690	6/9/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
BLM-42-569	6/12/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
BLM-42-709	6/12/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
B655-EFF-2	6/16/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
B655-EFF-2	6/16/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-2-489	6/16/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
WW-2-489	6/16/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-2-664	6/16/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
B650-EFF-1	6/17/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
BLM-7-509	6/17/2025	For Low Level Nitrosamine Method, matrix spike recoveries for sample 2506170943C were within laboratory control limits.
BLM-7-509	6/17/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
BLM-7-509	6/17/2025	For Low Level Nitrosamine Method, the internal standard recoveries were outside the advisory QC limits (10-100%) for sample 2506170942C (9.90%).
PL-2-504	6/17/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-1-452	6/17/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.

Well ID	Event Date	SW-846 Method 8270D QA Narratives
BW-4-330	**6/4/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (920 ug/L), Cyclohexane (26 ug/L), and 2-Pentanone, 4-hydroxy-4-methyl- (44 ug/L) were detected in the method blank (RQ2506968-01).**
BW-4-330	**6/4/2025**	**For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (800 ug/L), Cyclohexane (22 ug/L), and TCE (4.6 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2506041313C.**
ST-3-735	6/4/2025	For SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
600A-001-GW-1	6/10/2025	For SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte(s). The Duplicate Laboratory Control Sample (LCSD) passed limits. There were no detections of the analyte(s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
600A-001-GW-1	**6/10/2025**	**For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (431 ug/L), and Cyclohexane (30 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2506041313C.**
600A-001-GW-1	**6/10/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (470 ug/L) and Cyclohexane (31 ug/L) were detected in the method blank (RQ2506898-01).**
600A-002-GW-1	6/10/2025	For SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte(s). The Duplicate Laboratory Control Sample (LCSD) passed limits. There were no detections of the analyte(s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
600A-002-GW-1	**6/10/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (470 ug/L) and Cyclohexane (31 ug/L) were detected in the method blank (RQ2506898-01).**
600A-002-GW-1	**6/10/2025**	**For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (440 ug/L), Cyclohexane (32 ug/L), n-Hexadecanoic acid (4.4 ug/L) and 1,2-BenzenedicarboxylicAcid,mono(2ethylhexyl)ester (3 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2506101423A.**
300-001-GSV	**6/11/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (470 ug/L) and Cyclohexane (31 ug/L) were detected in the method blank (RQ2507282-01).**
300-001-GSV	6/11/2025	For SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte(s). The Duplicate Laboratory

Well ID	Event Date	SW-846 Method 8270D QA Narratives
		Control Sample (LCSD) passed limits. There were no detections of the analyte(s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
300-001-GSV	6/11/2025	For SW-846 Method 8270E, multiple compounds are estimated values and tentatively identified by a GC/MS library search in sample 2506111013A.
300-002-GSV	6/12/2025	For SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
300-002-GSV	6/12/2025	For SW-846 Method 8270E, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
300-002-GSV	6/12/2025	For SW-846 Method 8270E, multiple compounds are estimated values and tentatively identified by a GC/MS library search in sample 2506121013A.
300-002-GSV	6/12/2025	For SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte(s). The Duplicate Laboratory Control Sample (LCSD) passed limits. There were no detections of the analyte (s) in the associated field samples. The analytes affected are flagged in the LCS Summary.
300-002-GSV	**6/12/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (470 ug/L) was detected in the method blank (RQ2507282-01).**
100-E-261	**6/17/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (390 ug/L) 2-Pentanone, 4-hydroxy-4-methyl- (60 ug/L), and Ethanol, 2-(2-ethoxyethoxy)- (5.1 ug/L) was detected in the method blank (RQ2507737-01).**
100-E-261	6/17/2025	For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (490 ug/L), Ethanol, 2-(2-ethoxyethoxy)- (6.9 ug/L) and Carbonic acid, dodecyl isobutyl ester (3.6 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2506170844A.
100-E-261	6/17/2025	For SW-846 Method 8270D, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
100-E-261	6/17/2025	For SW-846 Method 8270D, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
100-E-261	6/17/2025	For SW-846 Method 8270D, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Well ID	Event Date	Total Metals QA Narratives
ST-1-473	**6/2/2025**	**For Total Metals, Zinc (0.01 mg/L) was detected in the Method blank (R2506455-MB).**
ST-1-473	**6/2/2025**	**For Total Metals, multiple analyte results in sample 2506021033A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BW-4-330	**6/4/2025**	**For Total Metals, multiple analyte results in samples 2506041314C and 2506041315C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BW-4-330	**6/4/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2506626-MB).**
BW-4-330	6/4/2025	For Total Metals, relative percent differences (RPD) for duplicate samples 2506041314C and 2506041315C were within control limits or below the calculable range.

Well ID	Event Date	Total Metals QA Narratives
ST-3-735	**6/4/2025**	**For Total Metals, multiple analyte results in sample 2506041424A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-3-735	**6/4/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2506626-MB).**
ST-4-690	**6/9/2025**	**For Total Metals, multiple analyte results in sample 2506091025C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-4-690	**6/9/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2506898-MB).**
600A-001-GW-1	**6/10/2025**	**For Total Metals, multiple analyte results in sample 2506101004A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
600A-001-GW-1	**6/10/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2506898-MB).**
600A-002-GW-1	**6/10/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2506898-MB).**
600A-002-GW-1	**6/10/2025**	**For Total Metals, multiple analyte results in sample 2506101424A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-3-486	**6/10/2025**	**For Total Metals, multiple analyte results in sample 2506100918C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-3-486	**6/10/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2506898-MB).**
ST-3-586	**6/10/2025**	**For Total Metals, multiple analyte results in sample 2506101429C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-3-586	**6/10/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2506898-MB).**
300-001-GSV	**6/11/2025**	**For Total Metals, multiple analyte results in sample 2506111014A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-001-GSV	**6/11/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2506898-MB).**
ST-3-666	**6/11/2025**	**For Total Metals, multiple analyte results in sample 2506110923C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-3-666	**6/11/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2506963-MB).**
300-002-GSV	**6/12/2025**	**For Total Metals, multiple analyte results in sample 2506121014A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-002-GSV	**6/12/2025**	**For Total Metals, Zinc (0.017 mg/L) and Antimony (0.0006 mg/L) was detected in the Method blank (R2507049-MB).**
BW-7-211	**6/16/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2507271-MB).**
BW-7-211	**6/16/2025**	**For Total Metals, multiple analyte results in sample 2506160954A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-E-261	**6/17/2025**	**For Total Metals, Zinc, Total was detected in the field blank (2506170847A) at 0.004 mg/L.**
100-E-261	6/17/2025	For Total Metals, relative percent differences (RPD) for duplicate samples 2506170845A and 2506170846A were within control limits or below the calculable range.
100-E-261	**6/17/2025**	**For Total Metals, Zinc, Total (0.004 mg/L) in field blank 2506170847A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
100-E-261	**6/17/2025**	**For Total Metals, multiple analyte results in samples 2506170845A and 2506170846A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-E-261	**6/17/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2507271-MB).**
PL-2-504	**6/17/2025**	**For Total Metals in blind control sample (2506171032C), the percent recovery for Aluminum (133.3%) was outside of the standard limits (75.0-125.0%), the percent recovery for Boron (133.3%) was outside of the standard limits (75.0-125.0%), the percent recovery for Iron (0.0%) was outside of the standard limits (75.0-125.0%).**
PL-2-504	**6/17/2025**	**For Total Metals, multiple analyte results in samples 2506170836C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-2-504	**6/17/2025**	**For Total Metals, Zinc (0.005 mg/L) was detected in the Method blank (R2507271-MB).**

Well ID	Event Date	Miscellaneous QA Narratives
ST-4-690	**6/9/2025**	**For EPA Method 353.2, analyte Nitrate+Nitrate as Nitrogen (0.014 mg/L) IN SAMPLE 2506091029C was estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
ST-4-690	6/9/2025	For EPA Method 6850, sample 2506091028C is incorrectly reported as sample "25060912028C" in the analytical report and the associated EDD file due to a laboratory error. The sample ID was corrected to match the chain of custody and the logbook accordingly. No further action taken.
300-002-GSV	**6/12/2025**	**For SW-846 Method 6850, Perchlorate (0.093 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2506121013A.**
BW-7-211	**6/16/2025**	**For SW-846 Method 6850, Perchlorate (0.02 ug/L) was detected in the Method blank (R2507271-MB).**
WW-2-489	6/16/2025	Initial packer pressure "0" PSI. Crew attempted to inflate packer, but no pressure could be sustained. Final pressure: "0" PSIA

Table 8 – WSTF Blank Sample Detections

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
PL-11-470	02-Jun-25	Carboy G3	8260_LL	VOA-FB	4025-37-0	(2-Aziridinylethyl)amine	11	ug/L	J TIC RB TB FB
PL-11-470	02-Jun-25	Carboy G3	8260_LL	VOA-TB	4025-37-0	(2-Aziridinylethyl)amine	9.4	ug/L	J TIC RB TB FB
PL-11-470	02-Jun-25	Carboy G3	8260_LL	VOA-TB	1825-61-2	Silane, methoxytrimethyl-	2.1	ug/L	J TIC TB FB
PL-11-470	02-Jun-25	Carboy G3	8260_LL	VOA-FB	1825-61-2	Silane, methoxytrimethyl-	1.1	ug/L	J TIC TB FB
ST-1-473	02-Jun-25	Carboy G1	8260	VOA-FB	78-93-3	2-Butanone (MEK)	1	ug/L	J FB
PL-11-530	03-Jun-25	Carboy G1	8260_LL	VOA-FB	4025-37-0	(2-Aziridinylethyl)amine	11	ug/L	J TIC RB FB
PL-11-710	03-Jun-25	Carboy G1	8260_LL	VOA-FB	4025-37-0	(2-Aziridinylethyl)amine	12	ug/L	J TIC RB FB
PL-11-820	04-Jun-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.54	ng/L	A FB
WW-3-469	05-Jun-25	Carboy G1	8260_LL	VOA-EB	1066-40-6	Silanol, trimethyl-	2.2	ug/L	J TIC EB
WW-3-569	05-Jun-25	Carboy G1	8260_LL	VOA-EB	7446-09-5	Sulfur Dioxide	1.4	ug/L	J TIC EB
WW-3-569	05-Jun-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.36	ng/L	J EB
PL-8-605	06-Jun-25	Carboy G1	8260_LL	VOA-EB	1066-40-6	Silanol, trimethyl-	0.89	ug/L	J TIC EB
PL-8-965	06-Jun-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.39	ng/L	J
PL-8-455	09-Jun-25	Carboy G2	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.74	ng/L	EB
PL-8-780	09-Jun-25	Carboy G2	8260_LL	VOA-EB	1825-61-2	Silane, methoxytrimethyl-	0.96	ug/L	J TIC EB
PL-8-780	09-Jun-25	Carboy G2	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.53	ng/L	EB
600A-001-GW-1	10-Jun-25	Carboy G2	8260	VOA-FB	7446-09-5	Sulfur Dioxide	1.2	ug/L	J TIC FB
300-001-GSV	11-Jun-25	Carboy G2	8260	VOA-FB	TIC	Unknown	10	ug/L	J TIC
300-001-GSV	11-Jun-25	Carboy G2	8260	VOA-TB	TIC	Unknown	9.7	ug/L	J TIC
ST-3-666	11-Jun-25	Carboy G3	8260	VOA-FB	TIC	Unknown	5.2	ug/L	J TIC
300-002-GSV	12-Jun-25	Carboy G2	8260	VOA-FB	56-23-5	Carbon Tetrachloride	10	ug/L	FB
300-002-GSV	12-Jun-25	Carboy G2	8260	VOA-FB	110-82-7	Cyclohexane	1.4	ug/L	J FB
300-002-GSV	12-Jun-25	Carboy G2	8260	VOA-FB	108-10-1	4-Methyl-2-pentanone	0.76	ug/L	J FB
300-002-GSV	12-Jun-25	Carboy G2	8260	VOA-FB	96-18-4	1,2,3-Trichloropropane	0.4	ug/L	J FB
BLM-42-569	12-Jun-25	Carboy G3	8260_LL	VOA-TB	1066-40-6	Silanol, trimethyl-	1.9	ug/L	J TIC TB
BLM-42-709	12-Jun-25	Carboy G3	8260_LL	VOA-FB	1066-40-6	Silanol, trimethyl-	2.8	ug/L	J TIC FB
B655-EFF-2	16-Jun-25	Carboy PF1	8260_LL	VOA-FB	4025-37-0	(2-Aziridinylethyl)amine	7.5	ug/L	J RB TIC FB
WW-2-489	16-Jun-25	Carboy G3	8260_LL	VOA-FB	4025-37-0	(2-Aziridinylethyl)amine	8.1	ug/L	J RB TIC FB
WW-2-489	16-Jun-25	Carboy G3	8260_LL	VOA-TB	556-67-2	Cyclotetrasiloxane, octamethyl-	0.78	ug/L	J TIC TB FB

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
WW-2-489	16-Jun-25	Carboy G3	8260_LL	VOA-FB	556-67-2	Cyclotetrasiloxane, octamethyl-	0.61	ug/L	J TIC TB FB
100-E-261	17-Jun-25	Carboy G2	METALS	METALS-FB	7440-66-6	Zinc, Total	0.004	mg/L	J RB FB
B650-EFF-1	17-Jun-25	Carboy PF1	8260_LL	VOA-FB	4025-37-0	(2-Aziridinylethyl)amine	9.2	ug/L	J RB TIC FB
B650-EFF-1	17-Jun-25	Carboy PF1	8260_LL	VOA-FB	1825-61-2	Silane, methoxytrimethyl-	0.92	ug/L	J TIC FB
B650-EFF-1	17-Jun-25	Carboy PF1	8260_LL	VOA-FB	556-67-2	Cyclotetrasiloxane, octamethyl-	0.51	ug/L	J TIC FB
B650-INF-1	17-Jun-25	Carboy PF1	8260	VOA-FB	124-38-9	Carbon Dioxide	5.8	ug/L	J RB TIC FB
PL-2-504	17-Jun-25	Carboy G3	8260	VOA-FB	124-38-9	Carbon Dioxide	5.8	ug/L	J RB TIC FB
WW-1-452	17-Jun-25	Carboy G2	8260_LL	VOA-FB	4025-37-0	(2-Aziridinylethyl)amine	7	ug/L	J RB TIC FB

National Aeronautics and Space Administration

Quality Assurance Report for White Sands Test Facility Groundwater Monitoring Data

July 2025

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1.0 Introduction

The WSTF Groundwater Monitoring Plan (GMP) requires the preparation of a periodic report to assess the quality of groundwater analytical data reported. The monthly Quality Assurance Report (QAR) prepared and reviewed by responsible environmental contractor data management personnel provides the following information:

- A summary of notable anomalies and a follow-up on previous anomalies, if necessary.
- A summary of notable data quality issues by analytical method, if any.
- A list of the sample events for which groundwater samples were collected in July 2025.
- The quantity and type of quality control samples collected or prepared in July 2025.
- Quality control sample percentages in annual period immediately preceding and during July 2025.
- Definitions of data qualifiers used in WSTF analytical data reporting.
- The quantity and type of data qualifiers applied to individual analytical results.
- A list of quality assurance narratives for the month arranged by analytical method.
- A summary table of detections in equipment blank, field blank, and trip blank samples.

2.0 Data Quality

2.1 Notable Anomalies Identified in Previous Quality Assurance Reports

There were no notable anomalies requiring follow-up associated with previous QARs.

2.2 Notable Anomalies

There were no notable anomalies in the groundwater data associated with the July 2025 QAR.

3.0 Data Tables

Table 1 summarizes the groundwater sample events initiated in July 2025. This report is based on data quality issues related to the sample events listed in Table 1. Tables 2 through 8 contain information related to the sample events identified in Table 1. As specified by the GMP, specific quality control samples are utilized to assess the quality of analytical data. Table 2 presents the quantity of quality control samples collected for each analytical method. Table 3 compares the quality control sample percentages collected to the requirements in the GMP. When data quality criteria are not met, data qualifiers are applied to the data. Definitions of data qualifiers used for WSTF chemical analytical data are listed in Table 4. Table 5 and Table 6 present the total number of individual result records and summarize the quantity of field and laboratory data qualifiers assigned to individual analyte result records in the WSTF analytical database. Table 7 provides all quality assurance narratives associated with the sample events in Table 1. Narratives associated with qualified data are identified by **bold text** in Table 7. Table 8 provides a summary of all detections in WSTF blank samples.

Table 1 – Sample Events for July 2025

Well ID	Event Date
PL-6-545	01-Jul-25
PL-6-725	01-Jul-25
ST-7-544	01-Jul-25
ST-7-779	01-Jul-25
ST-7-970	01-Jul-25

Well ID	Event Date
JER-1-483	02-Jul-25
JER-1-563	02-Jul-25
JER-1-683	02-Jul-25
PL-10-484	02-Jul-25
PL-10-592	02-Jul-25

Well ID	Event Date
BLM-6-488	03-Jul-25
JER-2-504	03-Jul-25
JER-2-584	03-Jul-25
JER-2-684	03-Jul-25
JP-3-509	07-Jul-25

Well ID	Event Date
JP-3-689	07-Jul-25
WW-5-459	07-Jul-25
WW-5-579	07-Jul-25
JP-1-424	09-Jul-25
JP-2-447	09-Jul-25
WW-5-809	09-Jul-25
WW-5-909	09-Jul-25
100-F-358	10-Jul-25
100-G-223	10-Jul-25
B655-EFF-2	10-Jul-25
B655-INF-2	10-Jul-25

Well ID	Event Date
BLM-10-517	10-Jul-25
PL-1-486	10-Jul-25
300-F-175	14-Jul-25
BLM-15-305	14-Jul-25
BLM-17-550	14-Jul-25
BLM-18-430	14-Jul-25
PFE-1	14-Jul-25
PFE-2	14-Jul-25
PFE-5	14-Jul-25
600A-004-GW	15-Jul-25
600-G-138	15-Jul-25

Well ID	Event Date
700-E-458	15-Jul-25
B650-EFF-1	15-Jul-25
B650-INF-1	15-Jul-25
PFE-3	15-Jul-25
PFE-4A	15-Jul-25
PFE-7	15-Jul-25
100-001-GW	16-Jul-25
600C-005-GW	16-Jul-25
MPE-4	16-Jul-25
MPE-3	18-Jul-25

Table 2 – Quantity of Quality Control Samples

Method	Samples	Field Blanks	Equip Blanks	Trip Blanks	Blind Controls	Duplicates	Matrix Spikes
Nitrate plus Nitrite as N by EPA Method 353.2	**8**	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**19**	0	0	0	**1**	**2**	**1**
Perchlorate by SW-846 Method 6850	**7**	0	0	0	0	0	0
Organics by SW-846 Method 8015M	**2**	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**19**	**19**	0	**1**	**1**	**4**	0
Low Level Volatile Organics by SW-846 Method 8260C	**28**	**24**	**4**	**5**	0	**1**	**1**
Semi-Volatile Organics by SW-846 Method 8270D	**16**	0	0	0	0	0	0
Anions by Various EPA Methods	**7**	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**7**	0	0	0	**1**	**1**	0
Nitrosamines by Low-Level Method	**31**	**27**	**4**	**6**	**1**	**4**	**1**
Total Dissolved Solids by Standard Method 2540C	**7**	0	0	0	0	0	0

Table 3 – Quality Control Sample Percentages

Quality Control Requirement	Requirement %	Samp. Qty. since June 2024	QC Qty. June 2024	QC % since June 2024	Sample Quantity July 2025	QC Quantity July 2025	QC % July 2025
VOA Duplicates	**10**	576	66	**11.46%**	47	5	**10.64%**
VOA Matrix Spikes	**2**	576	13	**2.26%**	47	1	**2.13%**
607 Duplicates	**10**	348	37	**10.63%**	19	2	**10.53%**
607 Matrix Spikes	**2**	348	7	**2.01%**	19	1	**5.26%**
607 Equipment Blanks	**2**	348	7	**2.01%**	19	0	**0.00%**
607 Field Blanks	**2**	348	11	**3.16%**	19	0	**0.00%**
NDMA_LL Duplicates	**10**	330	38	**11.52%**	31	4	**12.90%**
NDMA_LL Matrix Spikes	**2**	330	13	**3.94%**	31	1	**3.23%**
Metals Duplicates	**10**	245	26	**10.61%**	7	1	**14.29%**
Metals Matrix Spikes	**2**	245	7	**2.86%**	7	0	**0.00%**
Metals Equipment Blanks	**5**	245	9	**3.67%**	7	0	**0.00%**

Quality Control Requirement	Requirement %	Samp. Qty. since June 2024	QC Qty. June 2024	QC % since June 2024	Sample Quantity July 2025	QC Quantity July 2025	QC % July 2025
Metals Field Blanks	**5**	245	16	**6.53%**	7	0	**0.00%**
VOA Equipment Blanks and Field Blanks	*Should approach 100%*	562	562	**100%**	47	47	**100%**
Low Level Nitrosamine Equipment Blanks and Field Blanks	*Should approach 100%*	325	325	**100%**	31	31	**100%**

Quality Control Requirement	Requirement %	Shipments since June 2024	TB Qty. since June 2024	TB % since June 2024	Shipments in July 2025	TB Quantity July 2025	QC % July 2025
VOA Trip Blank (per shipment)	*Should approach 100%*	104	104	**100%**	6	6	100%
Low Level Nitrosamine Trip Blank (per shipment)	*Should approach 100%*	84	84	**100%**	6	6	100%

Table 4 – Definitions of Data Qualifiers

Qualifier	Definition
*	User defined qualifier. See quality assurance narrative.
A	The result of an analyte for a laboratory control sample (LCS), initial calibration verification (ICV) or continuing calibration verification (CCV) was outside standard limits.
AD	Relative percent difference for analyst (laboratory) duplicates was outside standard limits.
D	The reported result is from a dilution.
EB	The analyte was detected in the equipment blank.
FB	The analyte was detected in the field blank.
G	The result is an estimated value greater than the upper calibration limit.
i	The result, quantitation limit, and/or detection limit may have been affected by matrix interference.
J	The result is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
K	The peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration.
NA	The value/result was either not analyzed for or not applicable.
ND	The analyte was not detected above the detection limit.
Q	The result for a blind control sample was outside standard limits.
QD	The relative percent difference for a field duplicate was outside standard limits.
R	The result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
RB	The analyte was detected in the method blank.
S	The result was determined by the method of standard addition.
SP	The matrix spike recovery and/or the relative percent difference for matrix spike duplicates was outside standard limits.
T	The sample was analyzed outside the specified holding time or temperature.
TB	The analyte was detected in the trip blank.
TIC	The analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.

Table 5 – Quantity of Field Based Data Qualifiers Assigned to Individual Result Records

Method	Total Result Records	FB	EB	TB	Q	QD	SP	R
Nitrate plus Nitrite as N by EPA Method 353.2	**8**	0	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**69**	0	0	0	**1**	0	0	**6**
Perchlorate by SW-846 Method 6850	**7**	0	0	0	0	0	0	0
Organics by SW-846 Method 8015M	**2**	0	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**1513**	0	0	0	**1**	0	0	0
Low Level Volatile Organics by SW-846 Method 8260C	**1879**	0	0	0	0	0	0	0
Semi-Volatile Organics by SW-846 Method 8270D	**482**	0	0	0	0	0	0	0
Anions by Various EPA Methods	**28**	0	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**216**	0	0	0	**2**	0	0	0
Nitrosamines by Low-Level Method	**70**	**7**	**3**	**2**	0	**2**	0	0
Total Dissolved Solids by Standard Method 2540C	**7**	0	0	0	0	0	0	0

Table 6 – Quantity of Laboratory based Data Qualifiers Assigned to Individual Result Records

Method	Total Result Records	*	A	AD	G	RB	T	D	i	J	K
Nitrate plus Nitrite as N by EPA Method 353.2	**8**	0	0	0	0	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**69**	0	0	0	**2**	0	0	**4**	0	**5**	0
Perchlorate by SW-846 Method 6850	**7**	0	0	0	0	0	0	0	0	0	0
Organics by SW-846 Method 8015M	**2**	0	0	0	0	**1**	0	0	0	**1**	0
Volatile Organics by SW-846 Method 8260C	**1513**	0	0	0	0	0	**1**	**2**	0	**33**	0
Low Level Volatile Organics by SW-846 Method 8260C	**1879**	0	0	0	0	0	0	0	0	**13**	0
Semi-Volatile Organics by SW-846 Method 8270D	**482**	0	0	0	0	0	0	0	0	0	0
Anions by Various EPA Methods	**28**	0	0	0	0	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**216**	0	0	0	0	0	0	0	0	**49**	0
Nitrosamines by Low-Level Method	**70**	**1**	**9**	0	0	**9**	0	0	0	**5**	**6**
Total Dissolved Solids by Standard Method 2540C	**7**	0	0	0	0	0	0	0	0	0	0

Table 7 – Quality Assurance Narratives

Well ID	Event Date	SW-846 Method 8260 QA Narratives
PL-6-545	7/1/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
PL-6-545	7/1/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
PL-6-545	7/1/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
PL-6-725	**7/1/2025**	**For Low Level SW-846 Method 8260C, Sulfur Dioxide was detected in the equipment blank (2507010840Y) at 6.6 ug/L.**
PL-6-725	**7/1/2025**	**For Low Level SW-846 Method 8260C, Sulfur Dioxide (6.6 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample equipment blank 2507010840Y.**
PL-6-725	7/1/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
PL-6-725	**7/1/2025**	**or Low Level SW-846 Method 8260C, sulfur dioxide (7.2 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2508787-04) for analytical batch 885883. Groundwater data are affected by this method blank contamination are flagged accodingly.**
ST-7-544	**7/1/2025**	**For Low Level SW-846 Method 8260C, 1,4-Dioxane (19 ug/L) in sample 2507011310B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
ST-7-544	7/1/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
ST-7-544	7/1/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-7-544	7/1/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-7-544	7/1/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
ST-7-779	7/1/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
ST-7-779	7/1/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-7-779	**7/1/2025**	**For Low Level SW-846 Method 8260C, 1,4-Dioxane (19 ug/L) in sample 2507011310B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
ST-7-779	7/1/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-7-970	7/1/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
ST-7-970	7/1/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
ST-7-970	7/1/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
JER-1-483	7/2/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
JER-1-483	**7/2/2025**	**For Low Level SW-846 Method 8260C, Toluene was detected in the field blank (2507021131B) at 0.28 ug/L. Carbon Dioxide was detected in the field blank (2507021131B) at 31.0 ug/L.**
JER-1-483	**7/2/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (31 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample equipment blank 2507021131B.**
JER-1-483	**7/2/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (13 ug/L and 12 ug/L)) was tentatively identified by a GC/MS library search in the method blanks (RQ2509020-04 and RQ2509021-04) for analytical batches 885911 and 885912. Groundwater data are affected by this method blank contamination are flagged accodingly.**
JER-1-483	**7/2/2025**	**For Low Level SW-846 Method 8260C, Toluene (0.28 ug/L) in sample 2507021131B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JER-1-563	7/2/2025	For Low Level SW-846 Method 8260C, the recovery of surrogate Toluene-d8 (122%) in sample 2507021146B was outside laboratory control limits (87-121%). A reanalysis was not performed because there were no signifcant target hits in the samples. No further corrective action was possible.
JER-1-563	7/2/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
JER-1-563	**7/2/2025**	**For Low Level SW-846 Method 8260C, Vinyl Chloride (0.32 ug/L) and Benzene (0.21 ug/L) in sample 2507021145B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JER-1-563	7/2/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more surrogates in one or more samples in this report. The elevated recovery equates to a high bias. Since no target analytes were detected in the sample(s), the quality of the sample data is not significantly affected. No further corrective action was appropriate.
JER-1-563	**7/2/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (29 ug/L and 14 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample equipment blank 2507021145B and 2507021145B.**
JER-1-563	**7/2/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (13 ug/L and 12 ug/L)) was tentatively identified by a GC/MS library search in the method blanks (RQ2509020-04 and RQ2509021-04) for analytical batches 885911 and 885912. Groundwater data are affected by this method blank contamination are flagged accodingly.**
JER-1-563	**7/2/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507021146B) at 14.0 ug/L.**
JER-1-563	**7/2/2025**	**For EPA method 8260_LL, matrix spike and matrix spike duplicate recoveries for sample 2507021151B for Acrolein (187-197%) was outside method required limits (13-165%). No groundwater data are affected by this QC issue.**
JER-1-683	**7/2/2025**	**For Low Level SW-846 Method 8260C, 1,4-Dioxane (12 ug/L) in sample 2507021210B and field blank sample 2507021211B (14 ug/L) is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JER-1-683	7/2/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
JER-1-683	**7/2/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507021211B) at 14.0 ug/L.**
PL-10-484	7/2/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
PL-10-592	**7/2/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (30 ug/L, 13 ug/L, and 14 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507021040Y, equipment blank 2507020845Y, and trip blank sample 2507020745Y.**
PL-10-592	7/2/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
PL-10-592	**7/2/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the trip blank (2507020745Y) at 14.0 ug/L.**
PL-10-592	**7/2/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the equipment blank (2507020845Y) at 13.0 ug/L.**
BLM-6-488	7/3/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BLM-6-488	7/3/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-6-488	7/3/2025	For SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
BLM-6-488	**7/3/2025**	**For SW-846 Method 8260C, CFC 123a (0.29 ug/L) in sample 2507030920C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-6-488	7/3/2025	For SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
JER-2-504	7/3/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
JER-2-504	**7/3/2025**	**For Low Level SW-846 Method 8260C, Silane, methoxytrimethyl- (7.3 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507031231B.**
JER-2-504	**7/3/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (29 ug/L and 14 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507031231B and field blank sample 2507031232B.**
JER-2-504	**7/3/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (13 ug/L and 12 ug/L)) was tentatively identified by a GC/MS library search in the method blanks (RQ2509020-04 and RQ2509021-04) for analytical batches 885911 and 885912. Groundwater data are affected by this method blank contamination are flagged accodingly.**
JER-2-504	7/3/2025	For Low Level SW-846 Method 8260C, the control limits were exceeded for one or more surrogates in one or more QC samples associated with samples in this report. The associated recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outlier is flagged accordingly. No further corrective action was appropriate.
JER-2-504	**7/3/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507031232B) at 15.0 ug/L.**
JER-2-504	7/3/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
JER-2-584	7/3/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
JER-2-584	7/3/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
JER-2-584	7/3/2025	For Low Level SW-846 Method 8260C, the control limits were exceeded for one or more surrogates in one or more QC samples associated with samples in this report. The associated recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outlier is flagged accordingly. No further corrective action was appropriate.
JER-2-584	**7/3/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (29 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507031241B.**
JER-2-584	**7/3/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (13 ug/L and 12 ug/L)) was tentatively identified by a GC/MS library search in the method blanks (RQ2509020-04 and RQ2509021-04) for analytical batches 885911 and 885912. Groundwater data are affected by this method blank contamination are flagged accodingly.**
JER-2-584	7/3/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
JER-2-584	**7/3/2025**	**For Low Level SW-846 Method 8260C, Toluene (0.29 ug/L) in sample 2507031241B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JER-2-684	**7/3/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507031251B) at 16.0 ug/L.**
JER-2-684	**7/3/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (13 ug/L and 12 ug/L)) was tentatively identified by a GC/MS library search in the method blanks (RQ2509020-04 and RQ2509021-04) for analytical batches 885911 and 885912. Groundwater data are affected by this method blank contamination are flagged accodingly.**
JER-2-684	7/3/2025	For Low Level SW-846 Method 8260C, the control limits were exceeded for one or more surrogates in one or more QC samples associated with samples in this report. The associated recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outlier is flagged accordingly. No further corrective action was appropriate.
JER-2-684	**7/3/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (30 ug/L and 16 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507031250B and field blank sample 2507031251B.**
JER-2-684	7/3/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
JER-2-684	7/3/2025	For Low Level SW-846 Method 8260C, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
JER-2-684	**7/3/2025**	**For Low Level SW-846 Method 8260C, Methylcyclohexane (0.22 ug/L) in sample 2507031250B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JP-3-509	7/7/2025	For Low Level SW-846 Method 8260C, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. Additional analysis of the associated field samples was not performed because sample would have been repeated out of hold. The analytes affected are flagged in the LCS Summary.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
JP-3-509	7/7/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
JP-3-509	7/7/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
JP-3-509	7/7/2025	For Low Level SW-846 Method 8260C, the control limits were exceeded for one or more surrogates in one or more QC samples associated with samples in this report. The associated recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outlier is flagged accordingly. No further corrective action was appropriate.
JP-3-509	7/7/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
JP-3-689	7/7/2025	For Low Level SW-846 Method 8260C, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. Additional analysis of the associated field samples was not performed because sample would have been repeated out of hold. The analytes affected are flagged in the LCS Summary.
JP-3-689	7/7/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
JP-3-689	7/7/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
JP-3-689	7/7/2025	For Low Level SW-846 Method 8260C, the control limits were exceeded for one or more surrogates in one or more QC samples associated with samples in this report. The associated recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outlier is flagged accordingly. No further corrective action was appropriate.
JP-3-689	7/7/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
WW-5-459	**7/7/2025**	**For Low Level SW-846 Method 8260C, 1,4-Dioxane (14 ug/L) in sample 2507071120B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-5-459	7/7/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-5-459	7/7/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-5-459	7/7/2025	For Low Level SW-846 Method 8260C, the control limits were exceeded for one or more surrogates in one or more QC samples associated with samples in this report. The associated recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outlier is flagged accordingly. No further corrective action was appropriate.
WW-5-459	7/7/2025	For Low Level SW-846 Method 8260C, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. Additional analysis of the associated field

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		samples was not performed because sample would have been repeated out of hold. The analytes affected are flagged in the LCS Summary.
WW-5-459	7/7/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
WW-5-459	**7/7/2025**	**For Low Level SW-846 Method 8260C, Propanal (6.5 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507071120B.**
WW-5-459	7/7/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
WW-5-579	7/7/2025	For Low Level SW-846 Method 8260C, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. Additional analysis of the associated field samples was not performed because sample would have been repeated out of hold. The analytes affected are flagged in the LCS Summary.
WW-5-579	7/7/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
WW-5-579	7/7/2025	For Low Level SW-846 Method 8260C, the control limits were exceeded for one or more surrogates in one or more QC samples associated with samples in this report. The associated recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outlier is flagged accordingly. No further corrective action was appropriate.
WW-5-579	7/7/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
WW-5-579	7/7/2025	For Low Level SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
WW-5-579	**7/7/2025**	**For Low Level SW-846 Method 8260C, Toluene (0.46 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507071145B.**
JP-1-424	**7/9/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (6.2 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509200-03) for analytical batche 886639. Groundwater data are affected by this method blank contamination are flagged accodingly.**
JP-1-424	**7/9/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507091411C) at 9.7 ug/L.**
JP-1-424	**7/9/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (26 ug/L and 9.7 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507091410C and field blank sample 2507091411C.**
JP-2-447	**7/9/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (6.2 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509200-03) for analytical batche 886639. Groundwater data are affected by this method blank contamination are flagged accodingly.**
JP-2-447	**7/9/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507091026C) at 10.0 ug/L.**
JP-2-447	**7/9/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (28 ug/L and 10 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507091025C and field blank sample 2507091026C.**
WW-5-809	**7/9/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (6.2 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509200-03) for analytical batche 886639. Groundwater data are affected by this method blank contamination are flagged accodingly.**
WW-5-809	**7/9/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (21 ug/L and 10 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507091105B and field blank sample 2507091106B.**
WW-5-809	**7/9/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507091106B) at 10.0 ug/L.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
WW-5-909	7/9/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide (21 ug/L and 8.2 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507091125B and field blank sample 2507091126B.
WW-5-909	7/9/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507091126B) at 8.2 ug/L.
WW-5-909	7/9/2025	For Low Level SW-846 Method 8260C, Toluene (0.5 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507091125B.
WW-5-909	7/9/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide (6.2 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509200-03) for analytical batche 886639. Groundwater data are affected by this method blank contamination are flagged accodingly.
100-F-358	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507101421A) at 8.4 ug/L.
100-F-358	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide (8.9 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509206-04) for analytical batche 886696. Groundwater data are affected by this method blank contamination are flagged accodingly.
100-F-358	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide (27 ug/L and 8.4 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507101420A and field blank sample 2507101421A.
100-G-223	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507101031A) at 12.0 ug/L.
100-G-223	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide (30 ug/L and 12 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507101030A and field blank sample 2507101031A.
100-G-223	7/10/2025	For Low Level SW-846 Method 8260C, Trimethylsilyl fluoride (7.5 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507101030A.
100-G-223	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide (8.9 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509206-04) for analytical batche 886696. Groundwater data are affected by this method blank contamination are flagged
B655-EFF-2	7/10/2025	For Low Level SW-846 Method 8260C, THF (2.2 ug/L), 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.35 ug/L), and CFC 11 (0.31 ug/L) in sample 2507101001 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.
B655-EFF-2	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide (28 ug/L and 11 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507101001 and field blank sample 2507101002.
B655-EFF-2	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507101002) at 11.0 ug/L.
B655-EFF-2	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide (8.9 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509206-04) for analytical batche 886696. Groundwater data are affected by this method blank contamination are flagged
B655-INF-2	7/10/2025	For SW-846 Method 8260D, 1,1-Dichloroethene (0.85 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507101011.
B655-INF-2	7/10/2025	For SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507101012) at 11.0 ug/L.
B655-INF-2	7/10/2025	For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (210 ug/L) in sample 2507101011 required 2-fold dilution. The reporting limits are adjusted to reflect the dilution.
B655-INF-2	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide (11 ug/L) is an estimated value and tentatively identified by a GC/MS library search in field blank sample 2507101012.
B655-INF-2	7/10/2025	For Low Level SW-846 Method 8260C, Carbon Dioxide (8.9 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509206-04) for

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		analytical batch 886696. Groundwater data are affected by this method blank contamination are flagged
BLM-10-517	**7/10/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (27 ug/L and 11 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507101400C and field blank sample 2507101401C.**
BLM-10-517	**7/10/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (8.9 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509206-04) for analytical batche 886696. Groundwater data are affected by this method blank contamination are flagged**
BLM-10-517	**7/10/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507101401C) at 11.0 ug/L.**
PL-1-486	**7/10/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (26 ug/L, 27 ug/L, 11 ug/L, and 6.7 ug/L) is an estimated value and tentatively identified by a GC/MS library search in samples 2507100930C and 2507100931C, field blank sample 2507100932C, and trip blank sample 2507100740C.**
PL-1-486	**7/10/2025**	**For Low Level SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2507100930C and 2507100931C were within control limits or below the calculable range.**
PL-1-486	**7/10/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide (8.9 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509206-04) for analytical batche 886696. Groundwater data are affected by this method blank contamination are flagged**
PL-1-486	**7/10/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507100932C) at 11.0 ug/L.**
PL-1-486	**7/10/2025**	**For Low Level SW-846 Method 8260C, Carbon Dioxide was detected in the trip blank (2507100740C) at 6.7 ug/L.**
300-F-175	**7/14/2025**	**For Low Level SW-846 Method 8260C, Sulfur Dioxide (0.88 ug/L) is an estimated value and tentatively identified by a GC/MS library search in field blank sample 2507141420A and trip blank sample 2507141250A.**
300-F-175	**7/14/2025**	**For Low Level SW-846 Method 8260C, Formamide, N-methyl- (0.44 ug/L) is an estimated value and tentatively identified by a GC/MS library search in field blank sample 2507141421A.**
300-F-175	**7/14/2025**	**For Low Level SW-846 Method 8260C, Sulfur Dioxide was detected in the trip blank (2507141250A) at 0.77 ug/L.**
300-F-175	**7/14/2025**	**For Low Level SW-846 Method 8260C, Silane, methoxytrimethyl- (0.93 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507141420A.**
300-F-175	**7/14/2025**	**For Low Level SW-846 Method 8260C, Sulfur Dioxide (1.1 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509497-04) for analytical batch 887177. Groundwater data are affected by this method blank contamination are flagged**
300-F-175	**7/14/2025**	**For Low Level SW-846 Method 8260C, Formamide, N-methyl- was detected in the field blank (2507141421A) at 0.44 ug/L.**
BLM-15-305	7/14/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BLM-15-305	**7/14/2025**	**For SW-846 Method 8260D, multiple analyte results in samples 2507141400C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-15-305	**7/14/2025**	**For SW-846 Method 8260C, Silane, methoxytrimethyl- (0.47 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507141400C.**
BLM-17-550	**7/14/2025**	**For SW-846 Method 8260C, Carbon Dioxide (21 ug/L) and Silane, methoxytrimethyl- (3.5 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2507141026C.**
BLM-17-550	**7/14/2025**	**For SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507141026C) at 21.0 ug/L. Silane, methoxytrimethyl- was detected in the field blank (2507141026C) at 1.4 ug/L.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BLM-17-550	**7/14/2025**	**For SW-846 Method 8260C, Carbon Dioxide (17.4 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509693-06) for analytical batch 887587. Groundwater data are affected by this method blank contamination are flagged**
BLM-17-550	**7/14/2025**	**For SW-846 Method 8260C, Silane, methoxytrimethyl- (3.5 ug/L) and Trimethylsilyl fluoride (2 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2507141025C.**
BLM-17-550	**7/14/2025**	**For SW-846 Method 8260D, multiple analyte results in samples 2507141025C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-18-430	7/14/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
BLM-18-430	**7/14/2025**	**For SW-846 Method 8260D, Silane, methoxytrimethyl- (2.3 ug/L) is an estimated value and tentatively identified by a GC/MS library search in field blank sample 2507140957A.**
BLM-18-430	**7/14/2025**	**For SW-846 Method 8260C, PCE (0.49 ug/L and 0.42 ug/L) in samples 2507140955A and 2507140956A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-18-430	**7/14/2025**	**For SW-846 Method 8260C, Silane, methoxytrimethyl- (3.9 ug/L and 1.9 ug/L) in samples 2507140955A and 2507140956A; and Trimethylsilyl fluoride (1.7 ug/L) in sample 2507140955A are estimated values and tentatively identified by a GC/MS library search.**
BLM-18-430	**7/14/2025**	**For SW-846 Method 8260C, field duplicate samples 2507140955A and 2507140956A the relative percent difference for Silane, methoxytrimethyl- was 69.0%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
BLM-18-430	**7/14/2025**	**For SW-846 Method 8260C, Silane, methoxytrimethyl- was detected in the field blank (2507140957A) at 2.3 ug/L.**
PFE-1	**7/14/2025**	**For SW-846 Method 8260C, PCE (0.28 ug/L and 0.42 ug/L) in samples 2507140916 and 2507140956A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-1	7/14/2025	For SW-846 Method 8260, due to an incorrect entry into the computer logbook, the sample IDs for well PFE-1 were all entered to begin with "24" instead of "25", the correct sample IDs are "2507140915", "2507140916", "2507140917" and "2507140918". The database was corrected to match the field logbook, chain of custody, and laboratory report. No further action taken.
PFE-1	7/14/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PFE-1	**7/14/2025**	**For SW-846 Method 8260C, Silane, methoxytrimethyl- was detected in the field blank (2507140917) at 1.6 ug/L.**
PFE-1	**7/14/2025**	**For SW-846 Method 8260C, multiple compounds are estimated values and tentatively identified by a GC/MS library search in sample 2507140916 and Silane, methoxytrimethyl- (1.6 ug/L) is an estimated value and tentatively identified by a GC/MS library search in field blank sample 2507140917.**
PFE-2	**7/14/2025**	**For SW-846 Method 8260C, field duplicate samples 2507140931 and 2507140932 the relative percent difference for Silane, methoxytrimethyl- was 93.3%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
PFE-2	**7/14/2025**	**For SW-846 Method 8260D, multiple analyte results in samples 2507140931 and 2507140932 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-2	**7/14/2025**	**For SW-846 Method 8260D, Silane, methoxytrimethyl- (3.3 ug/L) and Trimethylsilyl fluoride (1.3 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2507140931.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
PFE-2	**7/14/2025**	**For SW-846 Method 8260D, Silane, methoxytrimethyl- (1.2 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507140932.**
PFE-2	7/14/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PFE-2	**7/14/2025**	**For SW-846 Method 8260C, Trichloroethene (TCE) was detected in the field blank (2507140933) at 0.25 ug/L.**
PFE-2	**7/14/2025**	**For SW-846 Method 8260D, TCE (0.25 ug/L) in field blank samples 22507140933 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-5	7/14/2025	For SW-846 Method 8260C, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
PFE-5	**7/14/2025**	**For SW-846 Method 8260D, Silane, methoxytrimethyl- (3 ug/L) and Trimethylsilyl fluoride (0.94 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2507140901.**
PFE-5	**7/14/2025**	**For SW-846 Method 8260D, Silane, methoxytrimethyl- (3.1 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507140903.**
PFE-5	**7/14/2025**	**For SW-846 Method 8260D, Sulfur dichloride (15 ug/L) and Silane, methoxytrimethyl- (3 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2507140902.**
PFE-5	**7/14/2025**	**For SW-846 Method 8260C, field duplicate samples 2507140901 and 2507140902 the relative percent difference for Silane, methoxytrimethyl- was 85.7%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
PFE-5	**7/14/2025**	**For SW-846 Method 8260C, Silane, methoxytrimethyl- was detected in the field blank (2507140903) at 3.1 ug/L.**
PFE-5	**7/14/2025**	**For SW-846 Method 8260D, CFC 21 (0.25 ug/L) in field blank samples 2507140902 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
600A-004-GW	**7/15/2025**	**For SW-846 Method 8260D, Trimethylsilyl fluoride (5.1 ug/L), Silane, methoxytrimethyl- (4.7 ug/L) and N-Methyltaurine (0.5 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2507151325C.**
600A-004-GW	**7/15/2025**	**For SW-846 Method 8260D, 1,1-Dichloroethene (0.29 ug/L) and CFC 11 (0.28 ug/L) in sample 2507151325C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
600A-004-GW	**7/15/2025**	**For SW-846 Method 8260D, Silane, methoxytrimethyl- (0.65 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507151326C.**
600A-004-GW	**7/15/2025**	**For SW-846 Method 8260C, Silane, methoxytrimethyl- was detected in the field blank (2507151326C) at 0.65 ug/L.**
600-G-138	**7/15/2025**	**For SW-846 Method 8260D, Sulfur dichloride (0.6 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507151047B.**
600-G-138	7/15/2025	For SW-846 Method 8260C, there were no detections in the field blank.
600-G-138	**7/15/2025**	**For SW-846 Method 8260D, Silane, methoxytrimethyl- (4.8 ug/L) and Trimethylsilyl fluoride (4.2 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2507151046B.**
600-G-138	**7/15/2025**	**For SW-846 Method 8260D, CFC 123a (0.23 ug/L) in samples 2507151046B and 2507151047B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
700-E-458	7/15/2025	For SW-846 Method 8260C, there were no detections in the field blank.
700-E-458	**7/15/2025**	**For SW-846 Method 8260C in blind control sample (2507151430A), the percent recovery for Trichlorofluoromethane (65.0%) was outside of the standard limits (75.0-125.0%).**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
B650-EFF-1	**7/15/2025**	**For Low Level SW-846 Method 8260C, Sulfur Dioxide was detected in the field blank (2507151247) at 0.64 ug/L. Silane, methoxytrimethyl- was detected in the field blank (2507151247) at 1.1 ug/L.**
B650-EFF-1	**7/15/2025**	**For Low Level SW-846 Method 8260C, Sulfur Dioxide (1.1 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509497-04) for analytical batch 887177. Groundwater data are affected by this method blank contamination are flagged**
B650-EFF-1	**7/15/2025**	**For Low Level SW-846 Method 8260C, Silane, methoxytrimethyl- (1.1 ug/L) and Sulfur Dioxide (0.64 ug/L) are estimated values and tentatively identified by a GC/MS library search in field blank sample 2507151247 .**
B650-EFF-1	**7/15/2025**	**For Low Level SW-846 Method 8260C, Silane, methoxytrimethyl- (3.8 ug/L) and Trimethylsilyl fluoride (2 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2507151246.**
B650-INF-1	**7/15/2025**	**For SW-846 Method 8260D, PCE (0.72 ug/L) in sample 2507151301 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
B650-INF-1	7/15/2025	For SW-846 Method 8260C, there were no detections in the field blank.
B650-INF-1	**7/15/2025**	**For SW-846 Method 8260D, multiple analyte results in sample 2507151301 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-3	**7/15/2025**	**For SW-846 Method 8260D, 1,1-Dichloroethene (0.23 ug/L) in sample 2507150925 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-3	**7/15/2025**	**ForSW-846 Method 8260C, Silane, methoxytrimethyl- (3.7 ug/L) and Trimethylsilyl fluoride (2.5 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2507150925.**
PFE-3	7/15/2025	For SW-846 Method 8260C, there were no detections in the field blank.
PFE-4A	**7/15/2025**	**ForSW-846 Method 8260C, Silane, methoxytrimethyl- (1.4 ug/L and 1.5 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507150941 and field blank sample 2507150942.**
PFE-4A	**7/15/2025**	**For SW-846 Method 8260C, Silane, methoxytrimethyl- was detected in the field blank (2507150942) at 1.5 ug/L.**
PFE-7	7/15/2025	For SW-846 Method 8260C, there were no detections in the field blank.
100-001-GW	**7/16/2025**	**For SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507161024A) at 23.0 ug/L.**
100-001-GW	7/16/2025	For SW-846 Method 8260D, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
100-001-GW	**7/16/2025**	**For SW-846 Method 8260D, Argon (6.3 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507161023A.**
100-001-GW	**7/16/2025**	**For SW-846 Method 8260D, multiple analyte results in sample 2507161023A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-001-GW	**7/16/2025**	**For SW-846 Method 8260D, Carbon Dioxide (23 ug/L) is an estimated value and tentatively identified by a GC/MS library search in field blank sample 2507161024A.**
600C-005-GW	**7/16/2025**	**For SW-846 Method 8260D, multiple compounds are estimated values and tentatively identified by a GC/MS library search in sample 2507161031C.**
600C-005-GW	**7/16/2025**	**For SW-846 Method 8260C, 1,2,3-Trichloropropane was detected in the trip blank (2507160730C) at 0.61 ug/L. 4-Methyl-2-pentanone was detected in the trip blank (2507160730C) at 1.0 ug/L. Carbon Tetrachloride was detected in the trip blank (2507160730C) at 10.0 ug/L. Cyclohexane was detected in the trip blank (2507160730C) at 2.2 ug/L. Carbon Dioxide was detected in the trip blank (2507160730C) at 21.0 ug/L.**
600C-005-GW	7/16/2025	For SW-846 Method 8260D, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
600C-005-GW	**7/16/2025**	**For SW-846 Method 8260D, Carbon Dioxide (21 ug/L and 24 ug/L) is an estimated value and tentatively identified by a GC/MS library search in trip blank sample 2507160730C and field blank sample 2507161032C.**
600C-005-GW	**7/16/2025**	**For SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507161032C) at 24.0 ug/L.**
600C-005-GW	**7/16/2025**	**For SW-846 Method 8260D, multiple analyte results in sample 2507160730C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
MPE-4	**7/16/2025**	**For SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507161232) at 22.0 ug/L.**
MPE-4	**7/16/2025**	**For SW-846 Method 8260D, Carbon Dioxide (75 ug/L) and Silane, methoxytrimethyl- (0.88 ug/L) are estimated values and tentatively identified by a GC/MS library search in sample 2507161231.**
MPE-4	**7/16/2025**	**For SW-846 Method 8260D, multiple analyte results in sample 2507161231 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
MPE-4	7/16/2025	For SW-846 Method 8260D, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
MPE-4	**7/16/2025**	**For SW-846 Method 8260D, Carbon Dioxide (22 ug/L) is an estimated value and tentatively identified by a GC/MS library search in field blank sample 2507161232.**
MPE-3	7/18/2025	For SW-846 Method 8260D, the lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
MPE-3	7/18/2025	For SW-846 Method 8260D, analysis for 1,1,2-Trichloro-1,2,2-Trifluoroethane in sample 2507180731 was initially performed within the recommended holding time. Reanalysis at a 2.5-fold dilution was required. The reanalysis was performed past the recommended holding time.
MPE-3	**7/18/2025**	**For SW-846 Method 8260D, Carbon Dioxide (16 ug/L) is an estimated value and tentatively identified by a GC/MS library search in field blank sample 2507180732.**
MPE-3	**7/18/2025**	**For SW-846 Method 8260D, Carbon Dioxide (14 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2510020-03) for analytical batch 888115. Groundwater data are affected by this method blank contamination are flagged**
MPE-3	**7/18/2025**	**For SW-846 Method 8260D, 1,1,2-Trichloro-1,2,2-Trifluoroethane (300 ug/L) in sample 2507180731 required 2-fold dilution. The reporting limits are adjusted to reflect the dilution.**
MPE-3	**7/18/2025**	**For SW-846 Method 8260C, Carbon Dioxide was detected in the field blank (2507180732) at 16.0 ug/L.**
MPE-3	**7/18/2025**	**For SW-846 Method 8260D, THF (1.4 ug/L) in sample 2507180731 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
MPE-3	**7/18/2025**	**For SW-846 Method 8260D, multiple analyte results in sample 2507180731 are estimated values and tentatively identified by a GC/MS library search.**

Well ID	Event Date	Modified EPA Method 607 QA Narratives
B655-EFF-2	**7/10/2025**	**For Modified EPA Method 607, Bromacil (0.008 ug/L) in sample 2507101003 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-15-305	**7/14/2025**	**For Modified EPA Method 607, origianl result for NDMA in sample 2507141402C exceeded the callibration curve and is rejected due to sample dilution 10-fold for reanalysis. Diluted NDMA sample is retained.**

Well ID	Event Date	Modified EPA Method 607 QA Narratives
BLM-15-305	**7/14/2025**	**For Modified EPA Method 607, Diluted result for DMN and Bromacil in sample 2507141402C is rejected due to sample dilution 10-fold for NDMA reanalysis. Original DMN and bromacil sample are retained.**
PFE-1	7/14/2025	For all methods, due to an incorrect entry into the computer logbook, sample IDs for well PFE-1 were entered in using the preface "24", the correct preface is "25". The database was corrected to match the field logbook, chain of custody and laboratory report. No further action taken.
PFE-2	**7/14/2025**	**For Modified EPA Method 607, Bromacil (0.008 ug/L) in sampleS 2507101003 and 2507140935 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-2	**7/14/2025**	**For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2507140934 and 2507140935 were within control limits or below the calculable range.**
600A-004-GW	**7/15/2025**	**For Modified EPA Method 607, origianl result for bromacil in sample 2507151327C exceeded the callibration curve and is rejected due to sample dilution 20-fold for reanalysis. Diluted NDMA sample is retained.**
600A-004-GW	**7/15/2025**	**For Modified EPA Method 607, Diluted result for NDMA and DMN in sample 2507151327C are rejected due to sample dilution 20-fold for NDMA reanalysis. Original DMN and bromacil sample are retained.**
700-E-458	**7/15/2025**	**For Modified EPA Method 607 in blind control sample (2507151431A), the percent recovery for Bromacil (44.0%) was outside of the standard limits (50.0-190.0%).**
B650-INF-1	**7/15/2025**	**For Modified EPA Method 607, Bromacil (0.009 ug/L) in sample 2507151303 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
100-001-GW	7/16/2025	For Modified EPA Method 607, matrix spike recoveries for sample 2507161026A were within laboratory control limits.
600C-005-GW	7/16/2025	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2507161033C and 2507161034C were within control limits or below the calculable range.

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
PL-6-545	**7/1/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2507011021Y) at 0.82 ng/L.**
PL-6-545	**7/1/2025**	**For Low Level Nitrosamine Method, Spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (162%). This is likely due to an amount of NDMA detected in the blank that was below the MDL and therefore not reported. Taking that detection into account, the LFB would have been within limits for NDMA.**
PL-6-725	**7/1/2025**	**For Low Level Nitrosamine Method, For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.44 ng/L) in sample 2507010946Y is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-6-725	**7/1/2025**	**For Low Level Nitrosamine Method, Spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (162%). This is likely due to an amount of NDMA detected in the blank that was below the MDL and therefore not reported. Taking that detection into account, the LFB would have been within limits for NDMA.**
PL-6-725	**7/1/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2507010841Y) at 0.98 ng/L.**
ST-7-544	**7/1/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for samples 2507011312B and 2507011314B. Affected data are appropriately qualified.**
ST-7-544	**7/1/2025**	**For Low Level Nitrosamine Method, Spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (162%). This is likely due to an amount of NDMA detected in the blank that was below the MDL and therefore not reported. Taking that detection into account, the LFB would have been within limits for NDMA.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
ST-7-544	**7/1/2025**	**For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2507011312B and 2507011314B were within control limits or below the calculable range.**
ST-7-544	7/1/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
ST-7-544	7/1/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
ST-7-779	**7/1/2025**	**For Low Level Nitrosamine Method, Spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (162%). This is likely due to an amount of NDMA detected in the blank that was below the MDL and therefore not reported. Taking that detection into account, the LFB would have been within limits for NDMA.**
ST-7-779	**7/1/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2507011223B . Affected data are appropriately qualified.**
ST-7-779	7/1/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
ST-7-970	**7/1/2025**	**For Low Level Nitrosamine Method, Spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (162%). This is likely due to an amount of NDMA detected in the blank that was below the MDL and therefore not reported. Taking that detection into account, the LFB would have been within limits for NDMA.**
ST-7-970	**7/1/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2507011122B. Affected data are appropriately qualified.**
ST-7-970	**7/1/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.37 ng/L and 0.42 ng/L) in sample 2507011122B and field blank sample 2507011123B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
ST-7-970	**7/1/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2507011123B) at 0.42 ng/L.**
JER-1-483	**7/2/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2507021133B) at 0.71 ng/L.**
JER-1-483	**7/2/2025**	**For Low Level Nitrosamine Method, Spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (162%). This is likely due to an amount of NDMA detected in the blank that was below the MDL and therefore not reported. Taking that detection into account, the LFB would have been within limits for NDMA.**
JER-1-563	**7/2/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2507021148B) at 0.5 ng/L.**
JER-1-563	**7/2/2025**	**For Low Level Nitrosamine Method, Spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (162%). This is likely due to an amount of NDMA detected in the blank that was below the MDL and therefore not reported. Taking that detection into account, the LFB would have been within limits for NDMA.**
JER-1-563	**7/2/2025**	**For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2507021147B and 2507021149B were within control limits or below the calculable range.**
JER-1-683	7/2/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-10-484	7/2/2025	For Low Level Nitrosamine Method, there were no detections in the equipment blank.
PL-10-592	**7/2/2025**	**For Low Level Nitrosamine Method, Spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (162%). This is likely due to an amount of NDMA detected in the blank that was below the MDL and therefore not reported. Taking that detection into account, the LFB would have been within limits for NDMA.**
PL-10-592	**7/2/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2507020846Y) at 0.52 ng/L.**
PL-10-592	**7/2/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2507020746Y) at 0.61 ng/L.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
BLM-6-488	**7/3/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.48 ng/L) in sample 2507030922C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-6-488	7/3/2025	For Low Level Nitrosamine Method, due to an incorrect entry into the computer logbook, the sample IDs for well BLM-6-488 was entered as "2507020922C" and "2507020923C", the correct sample IDs are "2507030922C" and "2507030923C". The database was corrected to match the field logbook, chain of custody, and laboratory report. No further action taken.
BLM-6-488	7/3/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JER-2-504	7/3/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JER-2-584	7/3/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JER-2-684	7/3/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JP-3-509	**7/7/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2507071027C and field blank 2507071030C. Affected data are appropriately qualified.**
JP-3-509	**7/7/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC detected at the retention time (RT) of NDMA that quantitated slightly above the PQL at 0.52 ng/L.**
JP-3-509	**7/7/2025**	**For Low Level Nitrosamine Method, matrix spike recoveries for sample 2507071028C were within laboratory control limits.**
JP-3-509	**7/7/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2507071030C) at 0.49 ng/L.**
JP-3-509	**7/7/2025**	**For Low Level Nitrosamine Method, spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (131%). This can likely be attributed to contribution from the EMPC found in the blank.**
JP-3-689	7/7/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JP-3-689	**7/7/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.36 ng/L) in sample 2507071402C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JP-3-689	**7/7/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2507071402C. Affected data are appropriately qualified.**
JP-3-689	**7/7/2025**	**For Low Level Nitrosamine Method, spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (131%). This can likely be attributed to contribution from the EMPC found in the blank.**
JP-3-689	**7/7/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC detected at the retention time (RT) of NDMA that quantitated slightly above the PQL at 0.52 ng/L.**
WW-5-459	**7/7/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for field blank sample 2507071123B and trip blank sample 2507070731B. Affected data are appropriately qualified.**
WW-5-459	**7/7/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.43 ng/L) in sample 2507071123B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-5-459	**7/7/2025**	**For Low Level Nitrosamine Method, spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (131%). This can likely be attributed to contribution from the EMPC found in the blank.**
WW-5-459	**7/7/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC detected at the retention time (RT) of NDMA that quantitated slightly above the PQL at 0.52 ng/L.**
WW-5-459	**7/7/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2507071123B) at 0.43 ng/L.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
WW-5-459	**7/7/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2507070731B) at 0.54 ng/L.**
WW-5-579	7/7/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-5-579	**7/7/2025**	**For Low Level Nitrosamine Method, field duplicate samples 2507071147B and 2507071149B the relative percent difference for N-Nitrosodimethylamine was 142.2%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
WW-5-579	**7/7/2025**	**For Low Level Nitrosamine Method, spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (131%). This can likely be attributed to contribution from the EMPC found in the blank.**
WW-5-579	**7/7/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC detected at the retention time (RT) of NDMA that quantitated slightly above the PQL at 0.52 ng/L.**
JP-1-424	**7/9/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2507091413C) at 0.36 ng/L.**
JP-1-424	**7/9/2025**	**For Low Level Nitrosamine Method, NDMA (1.09 ng/L) was positively detected at 2x the PQL in sample 2507091412C. There is little impact on the data. Recoveries for DMN-d6 was within the QC limit (10-100%) for all samples and QC**
JP-1-424	**7/9/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2507090745C) at 0.37 ng/L.**
JP-1-424	**7/9/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.36 ng/L and 0.37 ng/L) in field blank sample 2507091413C and trip blank sample 2507090745C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JP-1-424	**7/9/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for field blank sample 2507091413C and trip blank sample 2507090745C. Affected data are appropriately qualified.**
JP-1-424	**7/9/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC detected at the retention time (RT) of NDMA that quantitated slightly above the PQL at 0.52 ng/L.**
JP-1-424	**7/9/2025**	**For Low Level Nitrosamine Method, spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (131%). This can likely be attributed to contribution from the EMPC found in the blank.**
JP-2-447	**7/9/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC detected at the retention time (RT) of NDMA that quantitated slightly above the PQL at 0.52 ng/L.**
JP-2-447	**7/9/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.4 ng/L) in field blank sample 2507091028C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JP-2-447	**7/9/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum possible concentration for sample 2507091028C. Affected data are appropriately qualified.**
JP-2-447	**7/9/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2507091028C) at 0.4 ng/L.**
JP-2-447	**7/9/2025**	**For Low Level Nitrosamine Method, spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (131%). This can likely be attributed to contribution from the EMPC found in the blank.**
WW-5-809	**7/9/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2507091108B) at 0.37 ng/L.**
WW-5-809	**7/9/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC detected at the retention time (RT) of NDMA that quantitated slightly above the PQL at 0.52 ng/L.**
WW-5-809	**7/9/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. N-Nitrosodimethylamine concentration should be considered an estimated maximum**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
		possible concentration for field blank sample 2507091108B. Affected data are appropriately qualified.
WW-5-809	**7/9/2025**	**For Low Level Nitrosamine Method, spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (131%). This can likely be attributed to contribution from the EMPC found in the blank.**
WW-5-809	**7/9/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.37 ng/L) in field blank sample 2507091108B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-5-909	**7/9/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC detected at the retention time (RT) of NDMA that quantitated slightly above the PQL at 0.52 ng/L.**
WW-5-909	7/9/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-5-909	**7/9/2025**	**For Low Level Nitrosamine Method, spike recovery in the LFB was outside the acceptance limits (70-130%) for NDMA (131%). This can likely be attributed to contribution from the EMPC found in the blank.**
100-F-358	7/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
100-G-223	7/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
B655-EFF-2	**7/10/2025**	**For Low Level Nitrosamine Method, internal standard recoveries were outside the acceptance limits (10-100%) for NDMA-d6 (7.0-9.9%). Sample 2507101004 contained a reportable detection for NDMA (0.94 ng/L).**
B655-EFF-2	7/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
B655-EFF-2	**7/10/2025**	**For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2507101004 and 2507101005 were within control limits or below the calculable range.**
BLM-10-517	7/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-1-486	7/10/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
PL-1-486	7/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-1-486	**7/10/2025**	**For Low Level Nitrosamine Method in blind control sample (2507100935C), all recoveries were within standard limits.**
PL-1-486	**7/10/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine (0.36 ng/L) in sample 2507100933C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
300-F-175	7/14/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
300-F-175	7/14/2025	For Low Level Nitrosamine Method, internal standard recoveries were outside the acceptance limits (10-100%) for NDMA-d6 (7.0-9.9%). Samples 2507141251A and 2507141423A contained detected peaks below the MDL that are not reported. There is little impact to the data, no further action required.
300-F-175	7/14/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
B650-EFF-1	7/15/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PFE-4A	7/15/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PFE-7	7/15/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.

Well ID	Event Date	SW-846 Method 8270D QA Narratives
100-G-223	**7/10/2025**	**For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (580 ug/L) was tentatively identified by a GC/MS library search in the method blank (RQ2509014-01) for analytical batche 460716. Groundwater data are affected by this method blank contamination are flagged**
100-G-223	7/10/2025	For SW-846 Method 8270E, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery

Well ID	Event Date	SW-846 Method 8270D QA Narratives
		equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
100-G-223	7/10/2025	For SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
100-G-223	**7/10/2025**	**For SW-846 Method 8270E, Butane, 2-methoxy-2-methyl- (630 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507101034A.**
600A-004-GW	**7/15/2025**	**For SW-846 Method 8270E, multiple compounds are estimated values and tentatively identified by a GC/MS library search in method blank (RQ2509155-01) for batch 460851.**
600A-004-GW	**7/15/2025**	**For SW-846 Method 8270E, multiple compounds are estimated values and tentatively identified by a GC/MS library search in sample 2507151328C.**
600A-004-GW	7/15/2025	For SW-846 Method 8270E, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
600A-004-GW	7/15/2025	For SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
600A-004-GW	7/15/2025	For SW-846 Method 8270E, the control limit was exceeded for one or more surrogates in the Continuing Calibration Verification (CCV). The surrogates were within acceptance limits for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.
100-001-GW	7/16/2025	For SW-846 Method 8270E, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
100-001-GW	7/16/2025	For SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
600C-005-GW	7/16/2025	For SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
600C-005-GW	7/16/2025	For SW-846 Method 8270E, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.
MPE-4	7/16/2025	For SW-846 Method 8270E, the upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.
MPE-4	7/16/2025	For SW-846 Method 8270E, the upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery

Well ID	Event Date	SW-846 Method 8270D QA Narratives
		equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Well ID	Event Date	Total Metals QA Narratives
PFE-2	**7/14/2025**	**For Total Metals, multiple analyte results in samples 2507140936 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
600A-004-GW	**7/15/2025**	**For Total Metals, multiple analyte results in samples 2507151329C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
700-E-458	**7/15/2025**	**For Total Metals in blind control sample (2507151432A), the percent recovery for Aluminum (133.3%) was outside of the standard limits (75.0-125.0%), the percent recovery for Iron (0.0%) was outside of the standard limits (75.0-125.0%).**
100-001-GW	**7/16/2025**	**For Total Metals, multiple analyte results in samples 2507161028A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
600C-005-GW	**7/16/2025**	**For Total Metals, multiple analyte results in samples 2507161036C and 2507161037C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
600C-005-GW	7/16/2025	For Total Metals, relative percent differences (RPD) for duplicate samples 2507161036C and 2507161037C were within control limits or below the calculable range.
MPE-4	**7/16/2025**	**For Total Metals, multiple analyte results in sample 2507161234 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
MPE-3	**7/18/2025**	**For Total Metals, multiple analyte results in sample 2507180734 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	Miscellaneous QA Narratives
ST-7-544	7/1/2025	*Note - This zone isn't producing the volume like the bottom 2 zones. It is acting like the zone is drying up. Per Troy Wiebe once the bottom 2 zones are ready to sample, then this zone will be sampled. Gas breaking at 150 PSI
ST-7-779	7/1/2025	About 1 liter per purge gas breaks @150 PSI.
JP-3-509	7/7/2025	Initial packer pressure =zero PSI. Packer system damaged and will not hold pressure. Transducer removed from well - cannot record (or take) any kind of DTW. Do readings were very high and/or erratic. No readings collected.
JP-3-689	7/7/2025	Packer cannot be inflated (damaged); no transducer in well - no DTW can be collected. DO readings were very high and erratic. No readings collected
100-G-223	**7/10/2025**	**For SW-846 Method 8015C, Gasoline Range Organics as C6-C10 Commercial Fuel (56 ug/L) was detected in the method blank for analytical batch 887299 below the reporting limit. Affected data are appropriately qualified.**
100-G-223	**7/10/2025**	**For SW-846 Method 8015C, Gasoline Range Organics as C6-C10 Commercial Fuel (56 ug/L) is an estimated value and tentatively identified by a GC/MS library search in sample 2507101036A.**
BLM-15-305	7/14/2025	Dye trace residue present in purge water and samples. Did not use In-Situ equipment due to heavy dye present in the purge water. No DO or ORP could be collected.

Table 8 – WSTF Blank Sample Detections

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
PL-6-545	01-Jul-25	Carboy G3	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.82	ng/L	EB
PL-6-725	01-Jul-25	Carboy G3	8260_LL	VOA-EB	9/5/7446	Sulfur Dioxide	6.6	ug/L	J RB TIC EB
PL-6-725	01-Jul-25	Carboy G3	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.98	ng/L	EB
ST-7-970	01-Jul-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.42	ng/L	J FB
JER-1-483	02-Jul-25	Carboy G2	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	31	ug/L	J RB TIC FB
JER-1-483	02-Jul-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.71	ng/L	FB
JER-1-483	02-Jul-25	Carboy G2	8260_LL	VOA-FB	108-88-3	Toluene	0.28	ug/L	J FB
JER-1-563	02-Jul-25	Carboy G2	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	14	ug/L	J RB TIC FB
JER-1-563	02-Jul-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.5	ng/L	FB
JER-1-683	02-Jul-25	Carboy G2	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	14	ug/L	J RB TIC FB
PL-10-592	02-Jul-25		8260_LL	VOA-TB	124-38-9	Carbon Dioxide	14	ug/L	J RB TIC TB EB
PL-10-592	02-Jul-25		8260_LL	VOA-EB	124-38-9	Carbon Dioxide	13	ug/L	J RB TIC TB EB
PL-10-592	02-Jul-25		NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	0.61	ng/L	TB EB
PL-10-592	02-Jul-25		NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.52	ng/L	TB EB
JER-2-504	03-Jul-25	Carboy G3	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	15	ug/L	J RB TIC FB
JER-2-684	03-Jul-25	Carboy G3	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	16	ug/L	J RB TIC FB
JP-3-509	07-Jul-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.49	ng/L	K RB A FB
WW-5-459	07-Jul-25	Carboy G1	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	0.54	ng/L	K RB A TB FB
WW-5-459	07-Jul-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.43	ng/L	J K RB A TB FB
JP-1-424	09-Jul-25	Carboy G2	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	9.7	ug/L	J RB TIC FB
JP-1-424	09-Jul-25	Carboy G2	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	0.37	ng/L	J K RB A TB FB
JP-1-424	09-Jul-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.36	ng/L	J K RB A TB FB
JP-2-447	09-Jul-25	Carboy G2	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	10	ug/L	J RB TIC FB
JP-2-447	09-Jul-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.4	ng/L	J K RB A FB
WW-5-809	09-Jul-25	Carboy G1	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	10	ug/L	J RB TIC FB
WW-5-809	09-Jul-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.37	ng/L	J K RB A FB
WW-5-909	09-Jul-25	Carboy G1	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	8.2	ug/L	J RB TIC FB
100-F-358	10-Jul-25	Carboy G1	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	8.4	ug/L	J RB TIC FB

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
100-G-223	10-Jul-25	Carboy G1	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	12	ug/L	J RB TIC FB
B655-EFF-2	10-Jul-25	Carboy PF1	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	11	ug/L	J RB TIC FB
B655-INF-2	10-Jul-25	Carboy PF1	8260	VOA-FB	124-38-9	Carbon Dioxide	11	ug/L	J RB TIC FB
BLM-10-517	10-Jul-25	Carboy G2	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	11	ug/L	J RB TIC FB
PL-1-486	10-Jul-25	Carboy G2	8260_LL	VOA-FB	124-38-9	Carbon Dioxide	11	ug/L	J RB TIC TB FB
PL-1-486	10-Jul-25	Carboy G2	8260_LL	VOA-TB	124-38-9	Carbon Dioxide	6.7	ug/L	J RB TIC TB FB
300-F-175	14-Jul-25	Carboy G1	8260_LL	VOA-TB	9/5/7446	Sulfur Dioxide	0.77	ug/L	J RB TIC TB
300-F-175	14-Jul-25	Carboy G1	8260_LL	VOA-FB	123-39-7	Formamide, N-methyl-	0.44	ug/L	J TIC FB
BLM-17-550	14-Jul-25	Carboy G2	8260	VOA-FB	124-38-9	Carbon Dioxide	21	ug/L	J RB TIC FB
BLM-17-550	14-Jul-25	Carboy G2	8260	VOA-FB	1825-61-2	Silane, methoxytrimethyl-	1.4	ug/L	J TIC FB
BLM-18-430	14-Jul-25	Carboy G1	8260	VOA-FB	1825-61-2	Silane, methoxytrimethyl-	2.3	ug/L	J TIC FB
PFE-1	14-Jul-25	Carboy PF1	8260	VOA-FB	1825-61-2	Silane, methoxytrimethyl-	1.6	ug/L	J TIC FB
PFE-2	14-Jul-25	Carboy PF1	8260	VOA-FB	79-01-6	Trichloroethene (TCE)	0.25	ug/L	J FB
PFE-5	14-Jul-25	Carboy PF1	8260	VOA-FB	1825-61-2	Silane, methoxytrimethyl-	3.1	ug/L	J TIC FB
600A-004-GW	15-Jul-25	Carboy G1	8260	VOA-FB	1825-61-2	Silane, methoxytrimethyl-	0.65	ug/L	J TIC FB
B650-EFF-1	15-Jul-25	Carboy PF1	8260_LL	VOA-FB	1825-61-2	Silane, methoxytrimethyl-	1.1	ug/L	J TIC FB
B650-EFF-1	7/15/2025	Carboy PF1	8260_LL	VOA-FB	9/5/7446	Sulfur Dioxide	0.64	ug/L	J RB TIC FB
PFE-4A	7/15/2025	Carboy PF1	8260	VOA-FB	1825-61-2	Silane, methoxytrimethyl-	1.5	ug/L	J TIC FB
100-001-GW	7/16/2025	Carboy G1	8260	VOA-FB	124-38-9	Carbon Dioxide	23	ug/L	J TIC FB
600C-005-GW	7/16/2025	Carboy G2	8260	VOA-FB	124-38-9	Carbon Dioxide	24	ug/L	J TIC TB FB
600C-005-GW	7/16/2025	Carboy G2	8260	VOA-TB	124-38-9	Carbon Dioxide	21	ug/L	J TIC TB FB
600C-005-GW	7/16/2025	Carboy G2	8260	VOA-TB	56-23-5	Carbon Tetrachloride	10	ug/L	TB
600C-005-GW	7/16/2025	Carboy G2	8260	VOA-TB	110-82-7	Cyclohexane	2.2	ug/L	J TB
600C-005-GW	7/16/2025	Carboy G2	8260	VOA-TB	108-10-1	4-Methyl-2-pentanone	1	ug/L	J TB
600C-005-GW	7/16/2025	Carboy G2	8260	VOA-TB	96-18-4	1,2,3-Trichloropropane	0.61	ug/L	J TB
MPE-4	7/16/2025	Carboy PF1	8260	VOA-FB	124-38-9	Carbon Dioxide	22	ug/L	J TIC FB
MPE-3	7/18/2025	Carboy PF1	8260	VOA-FB	124-38-9	Carbon Dioxide	16	ug/L	J RB TIC FB

Appendix D
Comparison to Cleanup Levels

Appendix D.1: Groundwater Monitoring Wells
Appendix D.2: PFTS
Appendix D.3: MPITS

Appendix D.1
Groundwater Monitoring Wells

Analytical Results for Groundwater Monitoring Wells that Exceed Clean Up Levels

CAS Number 62-75-9 Analyte N-Nitrosodimethylamine

Cleanup Level 0.00491 ug/L 4.91 ng/L) Source GMP

Well ID	Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
300-001-GSV	6/11/2025	607	2506111012A	N-Nitrosodimethylamine	10	µg/L	0.77	0.38	51	D
300-001-GSV	6/11/2025	8270	2506111013A	N-Nitrosodimethylamine	18	ug/L	10	1.0		
300-001-GSV	6/11/2025	607	2506111012A	N-Nitrosodimethylamine	10.7	µg/L	0.0096	0.0048	51	G R
300-002-GSV	6/12/2025	607	2506121012A	N-Nitrosodimethylamine	0.27	µg/L	0.0094	0.0047	50	
400-001-GW	5/22/2025	607	2505221329C	N-Nitrosodimethylamine	2.63	µg/L	0.0095	0.0048	54	
400-001-GW	5/22/2025	8270	2505221332C	N-Nitrosodimethylamine	4.7	ug/L	10	1.0		J
BLM-15-305	7/14/2025	607	2507141402C	N-Nitrosodimethylamine	7.26	µg/L	0.0094	0.0047	40	G R
BLM-15-305	7/14/2025	607	2507141402C	N-Nitrosodimethylamine	7.04	µg/L	0.094	0.047	40	D
BLM-17-493	5/5/2025	607	2505051402C	N-Nitrosodimethylamine	0.53	µg/L	0.0095	0.0048	54	
BLM-17-550	7/14/2025	607	2507141027C	N-Nitrosodimethylamine	0.25	µg/L	0.0094	0.0047	40	
BLM-18-430	7/14/2025	607	2507140958A	N-Nitrosodimethylamine	0.01	µg/L	0.0094	0.0047	40	
BLM-26-404	5/7/2025	607	2505071446C	N-Nitrosodimethylamine	0.14	µg/L	0.01	0.005	54	QD
BLM-26-404	5/7/2025	607	2505071447C	N-Nitrosodimethylamine	0.1	µg/L	0.0095	0.0048	54	QD
BLM-27-270	6/16/2025	607	2506161337A	N-Nitrosodimethylamine	1.61	µg/L	0.0095	0.0048	50	
BLM-36-350	5/7/2025	607	2505071334Y	N-Nitrosodimethylamine	0.34	µg/L	0.0096	0.0048	54	
BLM-36-350	5/7/2025	607	2505071400Y	N-Nitrosodimethylamine	0.3	µg/L	0.0095	0.0048	54	
BW-4-330	6/4/2025	607	2506041312C	N-Nitrosodimethylamine	0.06	µg/L	0.0095	0.0048	57	
BW-5-295	5/19/2025	607	2505191402C	N-Nitrosodimethylamine	0.33	µg/L	0.0098	0.0049	44	*
BW-7-211	6/16/2025	607	2506160953A	N-Nitrosodimethylamine	0.8	µg/L	0.0094	0.0047	50	
PL-2-504	6/17/2025	607	2506170833C	N-Nitrosodimethylamine	0.008	µg/L	0.0094	0.0047	50	J
PL-2-504	6/17/2025	NDMA_LL	2506170834C	N-Nitrosodimethylamine	37.49	ng/L	0.47	0.34		
ST-1-473	6/2/2025	607	2506021032A	N-Nitrosodimethylamine	0.19	µg/L	0.0096	0.0048	57	
ST-1-541	5/21/2025	607	2505211000C	N-Nitrosodimethylamine	1.6	µg/L	0.0094	0.0047	44	
ST-1-541	5/21/2025	607	2505211002C	N-Nitrosodimethylamine	1.36	µg/L	0.0094	0.0047	44	
ST-1-630	5/15/2025	607	2505151437C	N-Nitrosodimethylamine	0.14	µg/L	0.0096	0.0048	39	
ST-3-486	6/10/2025	607	2506100917C	N-Nitrosodimethylamine	0.008	µg/L	0.0094	0.0047	51	J
ST-3-666	6/11/2025	607	2506110922C	N-Nitrosodimethylamine	0.02	µg/L	0.0099	0.005	51	
ST-3-735	6/4/2025	607	2506041423A	N-Nitrosodimethylamine	0.23	µg/L	0.0096	0.0048	57	
ST-3-735	6/4/2025	607	2506041422A	N-Nitrosodimethylamine	0.22	µg/L	0.0097	0.0049	57	
WW-5-459	7/7/2025	NDMA_LL	2507071122B	N-Nitrosodimethylamine	6.26	ng/L	0.47	0.34		RB A
WW-5-579	7/7/2025	NDMA_LL	2507071147B	N-Nitrosodimethylamine	8.82	ng/L	0.49	0.35		RB A QD

CAS Number 127-18-4 **Analyte** Tetrachloroethene (PCE)

Cleanup Level 5 ug/L **Source** GMP

Well ID	Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
ST-1-541	5/21/2025	8260	2505210948C	Tetrachloroethene (PCE)	7.8	ug/L	1.0	0.21		
ST-1-541	5/21/2025	8260	2505210950C	Tetrachloroethene (PCE)	7.7	ug/L	1.0	0.21		
ST-1-630	5/15/2025	8260	2505151435C	Tetrachloroethene (PCE)	10	ug/L	0.50	0.21		

CAS Number 79-01-6 **Analyte Trichloroethene (TCE)**

Cleanup Level 5 ug/L **Source GMP**

Well ID	Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
600A-004-G	7/15/2025	8260	2507151325C	Trichloroethene (TCE)	24	ug/L	1.0	0.20		
600-G-138	5/7/2025	8260	2505071050B	Trichloroethene (TCE)	31	ug/L	1.0	0.20		
600-G-138	5/7/2025	8260	2505071051B	Trichloroethene (TCE)	31	ug/L	1.0	0.20		
600-G-138	7/15/2025	8260	2507151046B	Trichloroethene (TCE)	21	ug/L	1.0	0.20		
600-G-138	7/15/2025	8260	2507151047B	Trichloroethene (TCE)	20	ug/L	1.0	0.20		
BLM-15-305	7/14/2025	8260	2507141400C	Trichloroethene (TCE)	8.5	ug/L	1.0	0.20		
BLM-17-493	5/5/2025	8260	2505051400C	Trichloroethene (TCE)	49	ug/L	1.0	0.20		
BLM-17-550	7/14/2025	8260	2507141025C	Trichloroethene (TCE)	87	ug/L	1.0	0.20		
BLM-18-430	7/14/2025	8260	2507140956A	Trichloroethene (TCE)	13	ug/L	1.0	0.20		
BLM-18-430	7/14/2025	8260	2507140955A	Trichloroethene (TCE)	14	ug/L	1.0	0.20		
BLM-26-404	5/7/2025	8260	2505071443C	Trichloroethene (TCE)	22	ug/L	1.0	0.20		
BLM-26-404	5/7/2025	8260	2505071444C	Trichloroethene (TCE)	22	ug/L	1.0	0.20		
BLM-36-350	5/7/2025	8260	2505071333Y	Trichloroethene (TCE)	59	ug/L	1.0	0.20		
BW-4-330	6/4/2025	8260	2506041310C	Trichloroethene (TCE)	81	ug/L	1.0	0.20		
BW-4-330	6/4/2025	8270	2506041313C	Trichloroethene (TCE)	9.1	ug/L	NA	NA		J TIC
PL-12-570	5/20/2025	8260	2505201430A	Trichloroethene (TCE)	5.6	ug/L	1.0	0.20		
PL-12-800	5/20/2025	8260	2505200937A	Trichloroethene (TCE)	5.3	ug/L	1.0	0.20		
PL-2-504	6/17/2025	8260	2506170830C	Trichloroethene (TCE)	52	ug/L	1.0	0.20		
PL-2-504	6/17/2025	8260	2506170831C	Trichloroethene (TCE)	55	ug/L	1.0	0.20		
ST-1-473	6/2/2025	8260	2506021030A	Trichloroethene (TCE)	76	ug/L	1.0	0.20		
ST-1-541	5/21/2025	8260	2505210948C	Trichloroethene (TCE)	170	ug/L	1.0	0.20		
ST-1-541	5/21/2025	8260	2505210950C	Trichloroethene (TCE)	170	ug/L	1.0	0.20		
ST-1-630	5/15/2025	8260	2505151435C	Trichloroethene (TCE)	310	ug/L	0.50	0.20		G
ST-3-666	6/11/2025	8260	2506110920C	Trichloroethene (TCE)	5.6	ug/L	1.0	0.20		
ST-3-735	6/4/2025	8260	2506041420A	Trichloroethene (TCE)	16	ug/L	1.0	0.20		

Appendix D.2
PFTS

Analytical Results for PFTS and PFE Wells that Exceed Clean Up Levels

CAS Number 62-75-9 **Analyte N-Nitrosodimethylamine**

Cleanup Level 0.00491 ug/L (4.91 ng/L) **Source GMP**

Well ID	Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
B650-INF-1	6/17/2025	607	2506171002	N-Nitrosodimethylamine	0.06	µg/L	0.0098	0.0049	50	
B650-INF-1	7/15/2025	607	2507151303	N-Nitrosodimethylamine	0.05	µg/L	0.0096	0.0048	40	
B650-INF-1	5/21/2025	607	2505211333	N-Nitrosodimethylamine	0.06	µg/L	0.0097	0.0049	44	
PFE-1	7/14/2025	607	2507140918	N-Nitrosodimethylamine	0.05	µg/L	0.0096	0.0048	40	
PFE-2	7/14/2025	607	2507140934	N-Nitrosodimethylamine	0.13	µg/L	0.0097	0.0049	40	
PFE-2	7/14/2025	607	2507140935	N-Nitrosodimethylamine	0.12	µg/L	0.0095	0.0048	40	
PFE-3	7/15/2025	607	2507150927	N-Nitrosodimethylamine	0.07	µg/L	0.0095	0.0048	40	
PFE-4A	7/15/2025	NDMA_LL	2507150944	N-Nitrosodimethylamine	18.83	ng/L	0.48	0.35		
PFE-5	7/14/2025	607	2507140904	N-Nitrosodimethylamine	0.19	µg/L	0.0096	0.0048	40	

CAS Number 79-01-6 **Analyte** Trichloroethene (TCE)

Cleanup Level 5 ug/L **Source** GMP

Well ID	Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
B650-INF-1	5/21/2025	8260	2505211331	Trichloroethene (TCE)	23	ug/L	1.0	0.20		QD
B650-INF-1	7/15/2025	8260	2507151301	Trichloroethene (TCE)	19	ug/L	1.0	0.20		
B650-INF-1	6/17/2025	8260	2506171000	Trichloroethene (TCE)	15	ug/L	1.0	0.20		
B650-INF-1	5/21/2025	8260	2505211330	Trichloroethene (TCE)	17	ug/L	1.0	0.20		QD
PFE-1	7/14/2025	8260	2507140916	Trichloroethene (TCE)	6.5	ug/L	1.0	0.20		
PFE-2	7/14/2025	8260	2507140931	Trichloroethene (TCE)	65	ug/L	1.0	0.20		
PFE-2	7/14/2025	8260	2507140932	Trichloroethene (TCE)	60	ug/L	1.0	0.20		
PFE-3	7/15/2025	8260	2507150925	Trichloroethene (TCE)	26	ug/L	1.0	0.20		
PFE-5	7/14/2025	8260	2507140901	Trichloroethene (TCE)	40	ug/L	1.0	0.20		
PFE-5	7/14/2025	8260	2507140902	Trichloroethene (TCE)	37	ug/L	1.0	0.20		

Appendix D.3
MPITS

Analytical Results for MPITS and MPE Wells that Exceed Clean Up Levels

CAS Number 62-75-9 Analyte N-Nitrosodimethylamine

Clean Up Level 0.00491 ug/L (4.9 ng/L) Source GMP

Well ID	Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
B655-INF-2	6/16/2025	607	2506161301	N-Nitrosodimethylamine	1.76	µg/L	0.0094	0.0047	50	
B655-INF-2	5/21/2025	607	2505210843	N-Nitrosodimethylamine	1.48	µg/L	0.0095	0.0048	44	
B655-INF-2	7/10/2025	607	2507101013	N-Nitrosodimethylamine	2.13	µg/L	0.0094	0.0047	47	
B655-INF-2	6/16/2025	607	2506161300	N-Nitrosodimethylamine	1.86	µg/L	0.0094	0.0047	50	
MPE-1	5/21/2025	607	2505210908	N-Nitrosodimethylamine	2.92	µg/L	0.0096	0.0048	44	
MPE-10	5/21/2025	607	2505210943	N-Nitrosodimethylamine	2.08	µg/L	0.0099	0.005	44	
MPE-11	5/21/2025	607	2505211014	N-Nitrosodimethylamine	0.16	µg/L	0.0096	0.0048	44	
MPE-11	5/21/2025	607	2505211013	N-Nitrosodimethylamine	0.16	µg/L	0.0097	0.0049	44	
MPE-3	7/18/2025	607	2507180733	N-Nitrosodimethylamine	1.87	µg/L	0.0095	0.0048	42	
MPE-4	7/16/2025	607	2507161233	N-Nitrosodimethylamine	0.69	µg/L	0.0095	0.0048	40	
MPE-9	5/21/2025	607	2505210923	N-Nitrosodimethylamine	2.51	µg/L	0.0097	0.0049	44	

CAS Number 79-01-6 **Analyte** Trichloroethene (TCE)

Clean Up Level 5 ug/L **Source** GMP

Well ID	Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
B655-INF-2	7/10/2025	8260	2507101011	Trichloroethene (TCE)	56	ug/L	1.0	0.20		
B655-INF-2	6/16/2025	8260	2506161258	Trichloroethene (TCE)	60	ug/L	1.0	0.20		
B655-INF-2	5/21/2025	8260	2505210841	Trichloroethene (TCE)	66	ug/L	1.0	0.20		
B655-INF-2	6/16/2025	8260	2506161257	Trichloroethene (TCE)	61	ug/L	1.0	0.20		
MPE-1	5/21/2025	8260	2505210906	Trichloroethene (TCE)	94	ug/L	1.0	0.20		
MPE-10	5/21/2025	8260	2505210941	Trichloroethene (TCE)	68	ug/L	1.0	0.20		
MPE-11	5/21/2025	8260	2505211011	Trichloroethene (TCE)	8	ug/L	1.0	0.20		
MPE-3	7/18/2025	8260	2507180731	Trichloroethene (TCE)	65	ug/L	1.0	0.20		
MPE-4	7/16/2025	8260	2507161231	Trichloroethene (TCE)	54	ug/L	1.0	0.20		
MPE-9	5/21/2025	8260	2505210921	Trichloroethene (TCE)	110	ug/L	1.0	0.20		

Appendix E
Time-Concentration Plots

Concentration trends for four of the primary WSTF COCs (Freon 11, TCE, PCE, and NDMA)

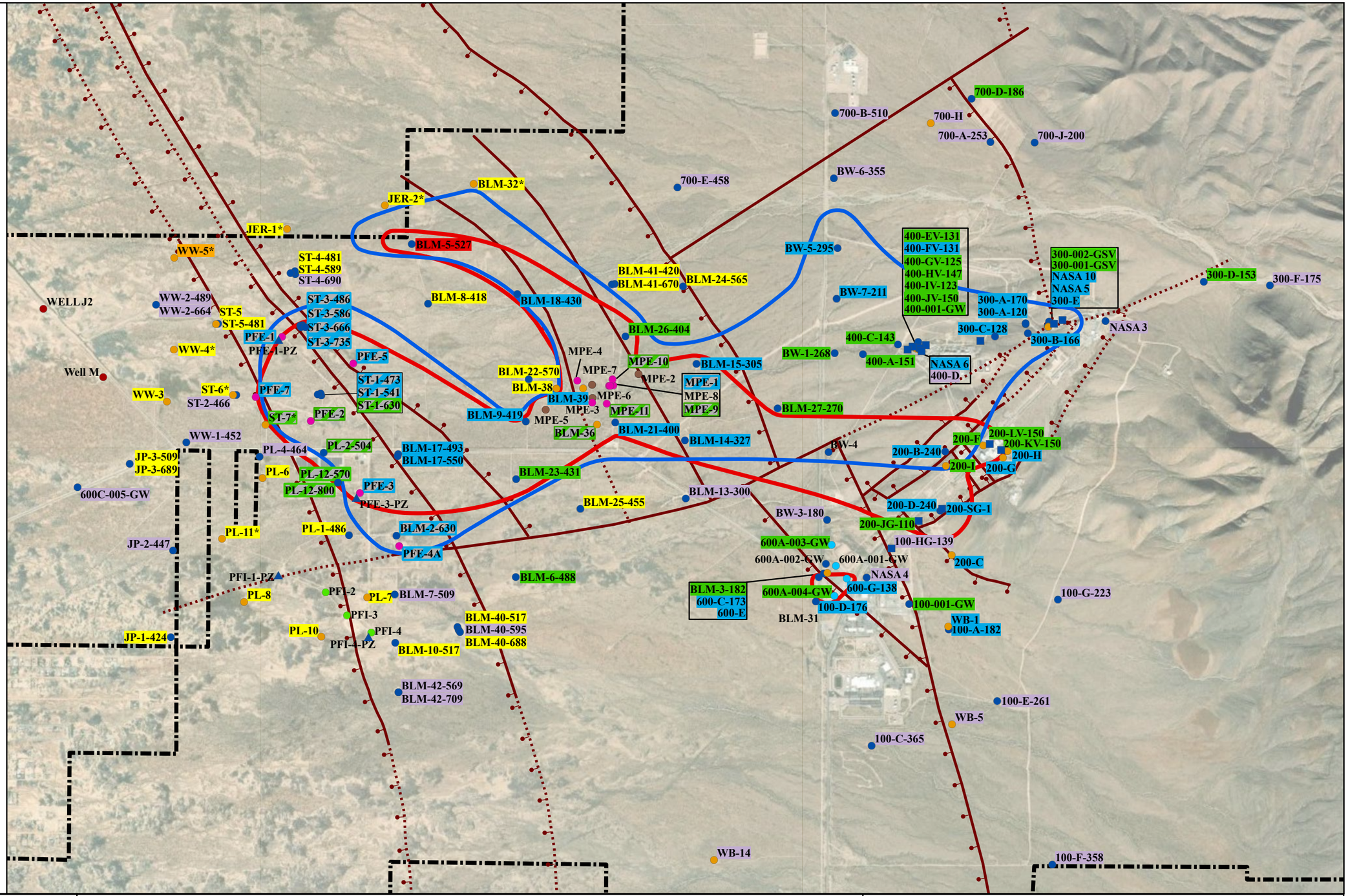
Interpretation Key

- Non-Detect All Primary COCs
- Low-Level NDMA Detections (Detection Limit to <4.9 ng/L) and Non-Detect for Other Primary COCs
- Fluctuating Low-Level NDMA Detections (≥4.9 ng/L) and Non-Detect for Other Primary COCs
- Natural Migration: No Overall Trend of One or More Primary COCs
- Natural Migration: Decreasing Trend of One or More Primary COCs
- Natural Migration: Increasing Trend of One or More Primary COCs
- Pumping-Related Migration: No Overall Trend of One or More Primary COCs
- Pumping-Related Migration: Decreasing Trend of One or More Primary COCs
- Pumping-Related Migration: Increasing Trend of One or More Primary COCs

No Color Indicates a Well with Insufficient Data for a Trend OR a water production well

Note: The identification of a trend for COC concentrations within a specific well is based on the evaluation of analytical data collected over a minimum of four sampling events (data points) to provide adequate data for statistical analyses. Each T-C trend evaluation emphasizes the most recent analytical results, which may supersede earlier trends that may have been evident following initial well installation

See Report Section 6.3 for more information
See Appendix E for Time-Concentration plots and Table Interpretations.



1:29,000

0 1,250 2,500 5,000 Feet

N W E S

December 2025

Well Type

- Conventional Well
- Injection Well
- Perched Well
- Exploration Well
- Multiport
- Production Well
- Extraction Well
- Piezometer
- MSVGM Well

* Multiport well with FLUTe sampling system.

Other

- NDMA Cleanup Level (4.9 ng/L)
- TCE Cleanup Level (5.0 ug/L)
- WSTF Boundary
- Fault

Time Concentration Plot Interpretations for Third Quarter 2025

NASA Johnson Space Center
White Sands Test Facility Las Cruces, New Mexico

Coordinate System:
NAD 1983 HARN StatePlane New Mexico Central FIPS 3002 Feet

G:\Projects\environmental\PMR\2025\3Q2025

Appendix E:

Reporting Period: 3Q/2025

Summary of Maximum Concentrations, Current Concentrations and T-C Plot Interpretations for WSTF Monitoring Well Network

Upgradient Monitoring Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
100-F-358 Conv	2005	Non Detect	0.48 DL	2010	0.24 DL	2025	0.43 DL	2010	0.21 DL	2025	0.63 DL	2010	0.2 DL	2025	0.005 DL	NP	2024	0.004 DL	NP	2025	0.40 A A J FB	2025	0.34 DL	2025
100-G-223 Conv	2005	Non Detect	0.48 DL	2010	0.24 DL	2025	0.43 DL	2010	0.21 DL	2025	0.63 DL	2010	0.2 DL	2025	0.005 DL	NP	2012	0.004 DL	NP	2025	0.34 DL	2025	0.34 DL	2025
300-F-175 Conv	2005	Non Detect	0.48 DL	2010	0.24 DL	2025	0.43 DL	2010	0.21 DL	2025	0.63 DL	2010	0.2 DL	2025	0.005 DL	NP	2016	0.004 DL	NP	2025	0.34 DL	2025	0.34 DL	2025
NASA 3 Conv	1988	Non Detect	5.00 RL	1988	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.2 DL	2025	0.05 RL	NP	1997	0.004 DL	NP	2024	0.34 DL	2025	0.34 DL	2025

100/600 Area Monitoring Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
100-001-GW Conv	2024	Natural Migration (No Overall Trend)	49	2025	28	2025	0.21 DL	2025	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.004 DL	NP	2025	0.004 DL	NP	2025	N/A		N/A	
100-A-182 Conv	1989	Natural Migration (Decreasing)	5.00	1995	1.90	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.2 DL	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	N/A		N/A	
100-D-176 Conv	1997	Natural Migration (Decreasing)	1.60 DL	2003	0.24 DL	2024	2.00 DL	1999	0.21 DL	2024	9.60	1999	4.60	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	N/A		N/A	
100-HG-139 MSVGM	2011	Non Detect[1]	0.79 J	2011	0.24 DL	2025	0.33 J	2015	0.21 DL	2025	10	2014	0.2 DL	2025	0.005 DL	NP	2020	0.004 DL	NP	2025	0.93 RB FB	2012	0.93 RB FB	2012
600A-001-GW Conv	2024	Pending Sufficient Dataset	0		0		0		0		0		0		0			0.004 DL	49	2025	N/A		N/A	
600A-002-GW Conv	2022	Pending Sufficient Dataset	0		0		0		0		0		0		0			0			N/A		N/A	
600A-003-GW Conv	2024	Non Detect	0.24 DL	2025	0.24 DL	2025	0.21 DL	2023	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.004 DL	NP	2025	0.004 DL	47	2025	N/A		N/A	
600A-004-GW Conv	2025	Natural Migration (No Overall Trend)	0.28 J	2025	0.28 J	2025	0.21 DL	2025	0.21 DL	2025	28	2025	25	2025	0.004 DL	NP	2025	0.004 DL	47	2025	N/A		N/A	
600-C-173 Conv	1988	Natural Migration (Decreasing)	5.00 RL	1988	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	9.00	1998	1.40	2025	0.1	NP	1988	0.004 DL	NP	2025	N/A		N/A	

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
600-E WestBay	1998	Natural Migration (Decreasing)	1.60 DL	2002	0.24 DL	2025	2.00 DL	1999	0.21 DL	2025	2.00 DL	1999	0.29 J	2025	0.005 DL	NP	2016	0.004 DL	NP	2025	N/A		N/A	
600-G-138 Conv	2011	Natural Migration (Decreasing)	5.10	2017	0.24 DL	2025	0.3 DL	2018	0.21 DL	2025	130	2012	31	2025	0.1 DL	NP	2021	0.004 DL	NP	2025	0.96 RB FB	2012	0.96 RB FB	2012
BLM-3-182 Conv	1988	Pumping Related Migration (No Overall Trend)	10	1988	0.41 J	2024	2.50 RL	1995	0.21 DL	2024	41	1991	20	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	N/A		N/A	
BW-3-180 Conv	1988	Non Detect	10	1988	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.2 DL	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	N/A		N/A	
NASA 4 Conv	1988	Non Detect	5.00 RL	1988	0.24 DL	2025	2.50 RL	1995	0.21 DL	2025	3.50	2009	0.2 DL	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	N/A		N/A	
WB-1 WestBay	1990	Natural Migration (Decreasing)	15	1996	4.90	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.37 J	2025	0.05 RL	NP	1993	0.005 DL	NP	2025	N/A		N/A	

200 Area Monitoring Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
200-B-240 Conv	1989	Natural Migration (Decreasing)	280	1996	23	2025	15 QD	1989	0.88 J	2025	290 QD	1989	26	2025	1.60	25	1993	0.18	55	2025	N/A		N/A	
200-C WestBay	1993	Natural Migration (Decreasing)	51	1996	11	2025	2.50 RL	1996	0.24 J	2025	4.30	2003	1.60	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	N/A		N/A	
200-D-240 Conv	1988	Natural Migration (Decreasing)	240 QD	1995	51	2025	2.50 RL	1995	0.33 J	2025	110	1990	14	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	N/A		N/A	
200-F WestBay	1995	Natural Migration (No Overall Trend)	41	2005	1.80	2025	2.50 RL	1996	0.33 J	2025	34	2009	21	2025	0.41 J A	1	2021	0.004 DL	NP	2025	N/A		N/A	
200-G WestBay	1995	Natural Migration (Decreasing)	55	1995	4.10 QD	2024	2.50 RL	1996	0.21 DL	2024	4.80	2004	1.40	2024	0.05 RL	NP	1997	0.005 DL	NP	2024	N/A		N/A	
200-H WestBay	1994	Natural Migration (Decreasing)	6.00	2003	0.93 J	2024	2.50 RL	1996	0.21 DL	2024	3.00 J	1997	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	N/A		N/A	
200-I WestBay	1997	Natural Migration (No Overall Trend)	2.40 J	1999	0.42 J	2024	2.00 DL	1999	0.61 J	2024	35	2019	34	2024	0.042	47	2024	0.004 DL	NP	2024	N/A		N/A	

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
200-JG-110 MSVGM	2012	Natural Migration (No Overall Trend)	17	2013	6.00	2024	2.20	2020	1.60	2024	25	2013	24	2024	0.005 DL	NP	2012	0.004 DL	NP	2024	0.93 J	2012	0.93 J	2012
200-KV-150 MSVGM	2015	Natural Migration (No Overall Trend)	90	2020	41	2024	0.3 DL	2015	0.21 DL	2024	22	2020	11	2024	0.005 DL	NP	2020	0.004 DL	NP	2024	N/A		N/A	
200-LV-150 Conv	2018	Natural Migration (No Overall Trend)	0.27 DL	2018	0.24 DL	2024	0.3 DL	2018	0.21 DL	2024	0.89 J Q	2018	0.36 J	2024	0.004 DL	NP	2018	0.004 DL	NP	2024	N/A		N/A	
200-SG-1 MSVGM	2004	Natural Migration (Decreasing)	81	2008	8.10	2024	17	2007	3.90	2024	380	2007	89	2024	0.016 J	44	2008	0.004 DL	NP	2024	N/A		N/A	

300/400 Area Monitoring Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
300-001-GSV MSVGM	2024	Natural Migration (No Overall Trend)	77	2024	48 A	2025	0.21 DL	2025	0.21 DL	2025	0.3 J	2024	0.2 DL	2025	41 D	48	2024	20 D	51	2025	N/A		N/A	
300-002-GSV MSVGM	2024	Natural Migration (No Overall Trend)	65	2025	65	2025	0.21 DL	2025	0.21 DL	2025	0.58 J	2025	0.58 J	2025	0.57	44	2025	0.54	50	2025	N/A		N/A	
300-A-120 Conv	1988	Natural Migration (Decreasing)	4300 FB	1996	92	2024	2.50 RL	1996	0.21 DL	2024	2.50	2004	0.2 DL	2024	46	24	1990	2.20	39	2024	N/A		N/A	
300-A-170 Conv	1988	Natural Migration (Decreasing)	6000	1988	180 D	2025	2.50 RL	1996	0.21 DL	2025	7.00	1988	0.86 J	2025	48 QD	21	1995	2.30	41	2025	N/A		N/A	
300-B-166 Conv	1988	Natural Migration (Decreasing)	1600	1988	49	2025	2.50 RL	1996	0.21 DL	2025	8.00	1988	0.2 DL	2025	14	39	1991	6.10	33	2025	N/A		N/A	
300-C-128 Conv	1988	Natural Migration (Decreasing)	3000	1988	380 D	2024	2.50 RL	1996	1.10 DL	2024	3.70 J	1996	1.50 D J	2024	47	32	2000	8.10	41	2024	N/A		N/A	
300-D-153 Conv	1988	Natural Migration (No Overall Trend)	6.60	2024	6.60	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	N/A		N/A	
300-E WestBay	1995	Natural Migration (Decreasing)	180	1996	14	2025	2.50 RL	1996	0.21 DL	2025	9.30	1997	0.96 J	2025	49 A	1	2021	1.30	39	2025	N/A		N/A	
400-001-GW Conv	2024	Natural Migration (No Overall Trend)	190	2024	150	2025	0.21 DL	2025	0.21 DL	2025	0.86 J	2024	0.85 J	2025	6.10	41	2025	6.10	41	2025	N/A		N/A	

Appendix E: Summary of Maximum Concentrations, Current Concentrations and T-C Plot Interpretations for WSTF Monitoring Well Network

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
400-A-151 Conv	1989	Natural Migration (No Overall Trend)	450	1990	190	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.92 J	2025	280	18	1991	13	39	2025	N/A		N/A	
400-C-143 Conv	1989	Natural Migration (No Overall Trend)	1600	1989	270 D	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	1.30	2024	93	15	1989	5.90	47	2024	N/A		N/A	
400-D WestBay	1995	Non Detect	3.30 J EB	1996	0.24 DL	2024	3.50 J	1998	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.29	34	1996	0.004 DL	NP	2024	N/A		N/A	
400-EV-131 MSVGM	2017	Natural Migration (No Overall Trend)	========0	2017	370 D	2025	0.3 DL	2018	0.21 DL	2025	13	2017	1.00	2025	3.30	46	2020	1.10	57	2024	N/A		N/A	
400-FV-131 MSVGM	2017	Natural Migration (Decreasing)	290	2021	7.70	2025	0.3 DL	2018	0.21 DL	2025	1.90	2021	0.2 DL	2025	3.30	60	2020	0.56	57	2024	N/A		N/A	
400-GV-125 MSVGM	2017	Natural Migration (No Overall Trend)	320	2021	180 D	2025	0.3 DL	2018	0.21 DL	2025	1.80	2022	0.86 J	2025	5.70	44	2021	1.60	57	2024	N/A		N/A	
400-HV-147 MSVGM	2017	Natural Migration (No Overall Trend)	240	2021	120	2025	0.3 DL	2018	0.21 DL	2025	2.00	2017	0.3 J	2025	320 D	53	2021	290 D *	57	2024	N/A		N/A	
400-IV-123 MSVGM	2017	Natural Migration (No Overall Trend)	430	2017	150	2024	0.93 J	2018	0.21 DL	2024	0.29 J	2021	0.2 DL	2024	0.041	87	2017	0.004 DL	NP	2024	N/A		N/A	
400-JV-150 MSVGM	2017	Natural Migration (No Overall Trend)	970	2021	700 D	2025	0.3 DL	2018	0.21 DL	2025	1.50	2017	0.72 J	2025	5.90	44	2021	2.90	57	2024	N/A		N/A	
BW-1-268 Conv	1989	Natural Migration (No Overall Trend)	1100	1989	190 D	2025	2.50 RL	1996	0.21 DL	2025	5.00	1989	1.20	2025	130	18	1991	8.10	44	2025	N/A		N/A	
BW-5-295 Conv	1989	Natural Migration (Decreasing)	360	1989	84	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.53 J	2025	1.90	49	1997	0.004 DL	NP	2025	N/A		N/A	
BW-7-211 Conv	1989	Natural Migration (Decreasing)	2400	1991	130	2025	2.50 RL	1995	0.21 DL	2025	13	1989	1.70	2025	17	34	1994	1.60	50	2025	N/A		N/A	
NASA 10 Conv	1988	Natural Migration (Decreasing)	250	1996	8.50	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	4.70	19	1996	0.068	44	2024	N/A		N/A	
NASA 5 Conv	1988	Natural Migration (Decreasing)	350	1991	16	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	13	19	1996	1.30	44	2024	N/A		N/A	
NASA 6 Conv	1988	Natural Migration (Decreasing)	1300	1996	190 D	2024	2.50 RL	1996	0.21 DL	2024	5.00	1990	0.42 J	2024	95	21	1996	47 D	52	2024	N/A		N/A	

Northern Boundary Monitoring Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
700-A-253 Conv	1990	Non Detect	2.50 RL	1996	0.16 DL	2025	2.50 RL	1996	0.18 DL	2025	2.50 RL	1996	0.2 DL	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	N/A		N/A	
700-B-510 Conv	1990	Non Detect	2.50 RL	1995	0.24 DL	2024	2.50 RL	1995	0.21 DL	2024	2.50 RL	1995	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	N/A		N/A	
700-D-186 Conv	1990	Natural Migration (No Overall Trend)	2.50 RL	1995	0.66 J	2025	2.50 RL	1995	0.18 DL	2025	2.50 RL	1995	0.42 J	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	N/A		N/A	
700-E-458 Conv	1990	Non Detect	2.50 RL	1996	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.2 DL	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	N/A		N/A	
700-H WestBay	1999	Non Detect	1.60 DL	2003	0.16 DL	2025	0.62 DL	2004	0.18 DL	2025	1.90 RB TB EB	2021	0.2 DL	2025	0.005 DL	NP	2013	0.005 DL	NP	2025	N/A		N/A	
700-J-200 Conv	1999	Non Detect	1.60 DL	2003	0.16 DL	2025	0.62 DL	2004	0.18 DL	2025	3.70	2005	0.2 DL	2025	0.005 DL	NP	2017	0.004 DL	NP	2025	N/A		N/A	
BLM-24-565 Conv	1991	Low-Level NDMA (<4.9 ng/L)	2.50 RL	1995	0.24 DL	2025	2.50 RL	1995	0.21 DL	2025	2.50 RL	1995	0.2 DL	2025	0.05 RL	NP	1997	0.004 DL	NP	2024	0.78 FB	2025	0.78 FB	2025
BLM-32 WestBay	1997	Low-Level NDMA (<4.9 ng/L)	1.60 DL	2002	0.24 DL	2025	2.00 DL	1999	0.21 DL	2025	2.00 DL	1999	0.2 DL	2025	0.016 J	36	2004	0.004 DL	NP	2025	21	2015	2.00 A FB	2025
BLM-41-420 Conv	2013	Low-Level NDMA (<4.9 ng/L)	0.27 DL	2018	0.24 DL	2025	0.3 DL	2013	0.21 DL	2025	1.00	2013	0.2 DL	2025	0.005 DL	NP	2015	0.004 DL	NP	2024	5.40	2017	5.40 FB	2015
BLM-41-670 Conv	2013	Low-Level NDMA (<4.9 ng/L)	0.27 DL	2018	0.24 DL	2025	0.28 DL	2018	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.005 DL	NP	2013	0.004 DL	NP	2024	5.50 FB	2017	5.50 FB	2017
BW-6-355 Conv	1992	Non Detect	2.50 RL	1996	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.2 DL	2025	0.32	37	2004	0.004 DL	NP	2025	N/A		N/A	
JER-1 WestBay	2004	Low-Level NDMA (<4.9 ng/L)	0.6 DL	2004	0.24 DL	2025	0.62 DL	2004	0.21 DL	2025	0.72	2011	0.2 DL	2025	0.014 J	41	2005	0.004 DL	NP	2024	360	2009	1.40 FB	2025
JER-2 WestBay	2004	Low-Level NDMA (<4.9 ng/L)	0.6 DL	2004	0.24 DL	2025	0.62 DL	2004	0.21 DL	2025	0.63 DL	2010	0.2 DL	2025	0.016 J	43	2005	0.005 DL	NP	2024	290 QD	2006	0.51	2025

Southern Boundary Monitoring Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
100-C-365 Conv	1989	Non Detect	1.00 DL	2010	0.24 DL	2025	1.00 DL	2010	0.21 DL	2025	1.00 DL	2010	0.2 DL	2025	0.05 RL	NP	1992	0.005 DL	NP	2025	N/A		N/A	

Appendix E: Summary of Maximum Concentrations, Current Concentrations and T-C Plot Interpretations for WSTF Monitoring Well Network

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
100-E-261 Conv	1989	Non Detect	2.50 RL	1996	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.2 DL	2025	0.05 RL	NP	1996	0.004 DL	NP	2025	N/A		N/A	
BLM-13-300 Conv	1988	Low-Level NDMA (<4.9 ng/L)	5.00 RL	1988	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.2 DL	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	2.50 A K RB FB	2025	2.50 A K RB FB	2025
BLM-25-455 Conv	1991	Low-Level NDMA (<4.9 ng/L)	2.50 RL	1996	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	0.42 J FB	2024	0.42 J FB	2025
BLM-40-517 Conv	2013	Low-Level NDMA (<4.9 ng/L)	0.27 DL	2018	0.24 DL	2025	0.3 DL	2017	0.21 DL	2025	0.22 DL	2017	0.2 DL	2025	0.005 DL	NP	2023	0.004 DL	NP	2025	1.80	2023	1.80	2023
BLM-40-595 Conv	2013	Non Detect	0.27 DL	2018	0.24 DL	2025	0.28 DL	2018	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.005 DL	NP	2024	0.005 DL	NP	2024	0.67 FB	2014	0.34 DL	2025
BLM-40-688 Conv	2013	Low-Level NDMA (<4.9 ng/L)	0.27 DL	2018	0.24 DL	2025	0.3 DL	2016	0.21 DL	2025	0.22 DL	2016	0.2 DL	2025	0.005 DL	NP	2023	0.004 DL	NP	2024	1.30 FB	2023	0.4 J	2025
BLM-6-488 Conv	1990	Natural Migration (No Overall Trend)	3.10 J	1999	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	14	1999	2.50	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	45 FB	2001	0.48 J	2025
WB-14 WestBay	1992	Non Detect	2.50 RL	1996	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.31 J	2024	0.05 RL	NP	1993	0.004 DL	NP	2024	N/A		N/A	
WB-5 WestBay	1990	Non Detect	2.50 RL	1996	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.05 RL	NP	1991	0.004 DL	NP	2024	N/A		N/A	

MPCA Monitoring Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
BLM-14-327 Conv	1990	Natural Migration (Decreasing)	230	1995	100	2025	9.20	2002	2.70	2025	180	1995	73	2025	1.20	18	2002	0.36	45	2025	N/A		N/A	
BLM-15-305 Conv	1989	Natural Migration (Decreasing)	770	1991	81	2025	2.50 RL	1996	0.54 J	2025	30	2023	8.50	2025	150 A	8	1989	18 D	40	2025	N/A		N/A	
BLM-18-430 Conv	1989	Natural Migration (Decreasing)	120 QD	2005	16	2025	2.50 RL	1996	0.49 J	2025	58	2009	14	2025	0.15 QD	31	2009	0.025	40	2025	N/A		N/A	
BLM-21-400 Conv	1991	Natural Migration (Decreasing)	320	1996	93	2025	12	1995	3.10	2025	220	1991	61	2025	5.60	16	1995	0.68	41	2025	N/A		N/A	
BLM-22-570 Conv	1990	Low-Level NDMA (<4.9 ng/L)	2.50 RL	1995	0.24 DL	2025	2.50 RL	1995	0.21 DL	2025	2.50 RL	1995	0.2 DL	2025	0.75	44	2025	0.75	44	2025	0.85 K RB TB FB	2025	0.85 K RB TB FB	2025

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Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
BLM-23-431 Conv	1990	Natural Migration (No Overall Trend)	240	1995	41	2025	8.00	1991	2.40	2025	240	1995	68	2025	1.10	33	2006	0.43	37	2025	N/A		N/A	
BLM-26-404 Conv	1991	Natural Migration (No Overall Trend)	110	2008	67	2025	2.50 RL	1996	0.63 J	2025	28	2008	22	2025	1.20	50	1991	0.26 QD	54	2025	N/A		N/A	
BLM-27-270 Conv	1991	Natural Migration (No Overall Trend)	530	2023	380 D T	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	1.30	2025	13	41	2006	3.20	50	2025	N/A		N/A	
BLM-36 WestBay	2000	Pumping Related Migration (No Overall Trend)	98	2011	24	2025	4.40	2011	2.60	2025	97	2008	59	2025	2.00	43	2007	0.63	54	2025	N/A		N/A	
BLM-38 WestBay	2000	Low-Level NDMA (<4.9 ng/L)	1.60 DL	2003	0.24 DL	2025	0.62 DL	2004	0.21 DL	2025	0.7 DL	2003	0.2 DL	2025	0.024 J	33	2002	0.004 DL	NP	2025	1.07 RB TB EB	2025	1.07 RB TB EB	2025
BLM-39 WestBay	2000	Natural Migration (Decreasing)	340	2005	120	2025	10	2007	6.50	2025	330 QD	2002	170	2025	9.70	19	2002	4.60	47	2025	N/A		N/A	
BLM-5-527 Conv	1988	Natural Migration (Increasing)	25	2023	16 QD	2025	2.50 RL	1996	0.56 J	2025	33	2023	22 QD	2025	0.31	49	2025	0.31	49	2025	220 G	2017	220 G	2017
BLM-8-418 Conv	1988	Low-Level NDMA (<4.9 ng/L)	2.50 RL	1996	0.31 J	2025	2.50 RL	1996	0.21 DL	2025	3.80 QD	2001	0.22 J	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	1.06 RB FB	2025	1.06 RB FB	2025
BLM-9-419 Conv	1989	Natural Migration (Decreasing)	320	1991	10	2025	12	1989	0.39 J	2025	240	1989	5.20	2025	8.80	16	1995	0.018 J	44	2025	68	2025	68	2025

Main Plume Monitoring Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
BLM-17-493 Conv	1989	Natural Migration (Decreasing)	480	1989	32	2025	31	1989	1.90	2025	430	1989	49	2025	11 A Q	7	1989	0.98	54	2025	N/A		N/A	
BLM-17-550 Conv	1990	Natural Migration (Decreasing)	440	1991	83	2025	20	1990	3.50	2025	390	1991	87	2025	8.10	16	1995	0.62	40	2025	N/A		N/A	
BLM-2-630 Conv	1988	Pumping Related Migration (Decreasing)	470 QD	1988	0.24 DL	2025	8.00	1991	0.21 DL	2025	310 QD	1988	0.34 J	2025	1.30	31	2002	0.004 DL	NP	2024	1.04 A K RB TB FB	2025	1.04 A K RB TB FB	2025

Appendix E: Summary of Maximum Concentrations, Current Concentrations and T-C Plot Interpretations for WSTF Monitoring Well Network

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
PL-12-570 Conv	2020	Pumping Related Migration (No Overall Trend)	17	2020	6.00	2025	0.46 J	2020	0.21 DL	2025	20	2020	5.20 DL	2025	0.005 DL	NP	2023	0.004 DL	NP	2024	34 RB A * TB FB	2023	0.49	2025
PL-12-800 Conv	2020	Pumping Related Migration (No Overall Trend)	14	2020	6.30	2025	0.24 J	2021	0.21 DL	2025	17	2020	5.5	2025	0.004 DL	NP	2023	0.004 DL	NP	2024	11 QD	2023	2.23 A RB FB	2025
PL-1-486 Conv	1988	Low-Level NDMA (<4.9 ng/L)	190	1996	0.24 DL	2025	4.60	2004	0.21 DL	2025	180	2004	0.2 DL	2025	0.093	43	2005	0.004 DL	NP	2025	260 QD	2002	0.36 J	2025
PL-2-504 Conv	1989	Pumping Related Migration (No Overall Trend)	230	1996	38 Q	2025	2.50 RL	1996	0.94 J	2025	180	2004	55	2025	0.45 QD	58	2021	0.016 J	50	2025	300 G RB Q	2020	37	2025
ST-1-473 Conv	1989	Pumping Related Migration (Decreasing)	610	1996	45	2025	13	2010	1.20	2025	370	2005	76	2025	1.70	27	2009	0.33	57	2025	N/A		N/A	
ST-1-541 Conv	1992	Pumping Related Migration (Decreasing)	790	1995	170	2025	37	1995	7.80	2025	650	1995	170	2025	4.80 QD	37	2003	3.60	44	2025	N/A		N/A	
ST-1-630 Conv	1992	Pumping Related Migration (No Overall Trend)	410	2006	240 G	2025	19 QD	2007	10	2025	440	2000	310 G	2025	1.90	40	2019	0.36	39	2025	N/A		N/A	
ST-3-486	1991	Pumping Related Migration (Decreasing)	800	1996	10	2025	19	2003	0.21 DL	2025	690	1991	4.00	2025	4.40	45	2011	0.015 J	51	2025	N/A		N/A	
ST-3-586 Conv	1992	Pumping Related Migration (Decreasing)	640 T TB Q	1996	1.10	2025	15	2007	0.21 DL	2025	320	2005	2.30	2025	3.80 QD	37	2003	0.004 DL	NP	2025	N/A		N/A	
ST-3-666 Conv	1992	Pumping Related Migration (Decreasing)	280	2009	3.00 A	2025	15	2009	0.21 DL	2025	320	2009	5.60	2025	3.70	30	2006	0.039	51	2025	N/A		N/A	
ST-3-735 Conv	1992	Pumping Related Migration (Decreasing)	240	2005	8.70	2025	14	2007	0.36 J	2025	320	2005	16	2025	7.80 QD	32	2009	0.4	57	2025	N/A		N/A	

Plume Front Monitoring Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
BLM-10-517 Conv	1988	Low-Level NDMA (<4.9 ng/L)	5.00 RL	1988	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	4.40	2012	0.2 DL	2025	0.095 RL	NP	1988	0.004 DL	NP	2025	5.90	2020	1.58 DL	2025
BLM-7-509 Conv	1988	Non Detect	5.00 RL	1988	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.09 J	32	1996	0.004 DL	NP	2024	9.40 RB FB *	2023	0.34 DL	2025
PL-4-464 Conv	1990	Non Detect	28	2005	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	21	2005	0.2 DL	2045	0.05 RL	NP	1997	0.004 DL	NP	2045	2.70 RB FB	2005	0.35 DL	2025
PL-6 Westbay	1992	Low-Level NDMA (<4.9 ng/L)	4.10 J	1996	0.24 DL	2025	5.60	1996	0.21 DL	2025	4.90 J	1996	0.2 DL	2025	1.00	53	2025	0.004 DL	NP	2024	44	2023	0.53 EB	2025
PL-7 Westbay	1993	Low-Level NDMA (<4.9 ng/L)	2.50 RL	1996	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	11 RB TB EB	2023	1.00 RB EB	2025
ST-2-466 Conv	1989	Non Detect[1]	2.50 RL	1995	0.24 DL	2024	2.50 RL	1995	0.21 DL	2024	2.50 RL	1995	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	2.60 RB	2004	2.6 RB	2004
ST-4-481 Conv	1992	Low-Level NDMA (<4.9 ng/L)	2.50 RL	1996	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	1.80 FB	2012	1.20 A K RB TB FB	2025
ST-4-589 Conv	1992	Low-Level NDMA (<4.9 ng/L)	2.50 RL	1996	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2023	1.10 RB Q	2008	0.99 A K RB FB	2025
ST-4-690 Conv	1992	Non Detect	3.00 J	1998	0.24 DL	2024	2.50 RL	1995	0.21 DL	2024	10	1998	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	2.70	2008	0.35 DL	2025
ST-5 Westbay	1992	Low-Level NDMA (<4.9 ng/L)	2.50 RL	1996	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	7.20	2017	1.15 A EB	2025
ST-5-481 Conv	1992	Non Detect[1]	2.50 RL	1996	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.05 RL	NP	1997	0.004 DL	NP	2024	0.7 FB	2002	0.70 FB	2002
ST-6 FLUTe	1998	Low-Level NDMA (<4.9 ng/L)	21 EB	2005	0.24 DL	2024	2.00 DL	1999	0.21 DL	2024	67	2004	0.27 J	2024	0.012	90	2017	0.005 DL	NP	2023	53 Q QD	2023	0.82	2025
ST-7 FLUTe	1999	Pumping Related Migration (No Overall Trend)	4.20	2025	4.20	2025	0.62 DL	2004	0.21 DL	2025	6.20	2025	0.2 DL	2025	0.005 DL	NP	2013	0.005 DL	NP	2023	3.80 FB	2002	0.72 K	2025
WW-1-452 Conv	1988	Non Detect	5.00 RL	1988	0.24 DL	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.2 DL	2024	0.3 T	30	2006	0.005 DL	NP	2024	3.47 K TB FB	2024	0.35 DL	2024

Sentinel Monitoring Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
600C-005-GW Conv	2024	Non Detect	0.24 DL	2025	0.24 DL	2025	0.21 DL	2025	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.004 DL	NP	2025	0.004 DL	NP	2025	N/A		N/A	
BLM-42-569 Conv	2020	Non Detect	0.24 DL	2025	0.24 DL	2025	0.21 DL	2025	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.004 DL	NP	2021	0.004 DL	NP	2023	1.60 RB * TB FB	2021	0.34 DL	2025
BLM-42-709 Conv	2020	Non Detect	0.24 DL	2025	0.24 DL	2025	0.21 DL	2025	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.004 DL	NP	2023	0.004 DL	NP	2023	1.50 RB * FB	2021	0.34 DL	2025
JP-1-424 Conv	1988	Low-Level NDMA (<4.9 ng/L)	5.50	2001	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.2 DL	2025	0.061 J	36	1998	0.004 DL	NP	2025	15 RB QD	2004	1.09 RB A TB FB	2025
JP-2-447 Conv	1988	Non Detect	2.50 RL	1996	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	4.50	2001	0.2 DL	2025	0.05 RL	NP	1997	0.004 DL	NP	2025	14	2000	0.34 DL	2025
JP-3-509 Conv	2013	Low-Level NDMA (<4.9 ng/L)	0.27 DL	2019	0.24 DL	2025	0.28 DL	2019	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.004 DL	NP	2017	0.004 DL	NP	2025	0.85 * TB	2021	0.51 J RB A FB	2025
JP-3-689 Conv	2014	Low-Level NDMA (<4.9 ng/L)	0.27 DL	2019	0.24 DL	2025	0.28 DL	2019	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.005 DL	NP	2014	0.004 DL	NP	2025	1.80 TB FB	2021	0.36 J K RB A	2025
PL-10 WestBay	2002	Low-Level NDMA (<4.9 ng/L)	1.60 DL	2003	0.24 DL	2025	0.62 DL	2004	0.21 DL	2025	0.62 DL	2004	0.2 DL	2025	0.005 DL	NP	2021	0.004 DL	NP	2025	7.30 EB	2024	0.90 TB EB	2025
PL-11 FLUTe	2017	Low-Level NDMA (<4.9 ng/L)	0.46 J	2024	0.24 DL	2025	0.28 DL	2018	0.21 DL	2025	0.36 J	2024	0.2 DL	2025	0.005 DL	NP	2023	0.004 DL	NP	2024	58 *	2023	1.08 A	2025
PL-8 WestBay	2000	Low-Level NDMA (<4.9 ng/L)	1.60 DL	2002	0.24 DL	2025	0.62 DL	2004	0.21 DL	2025	0.7 DL	2003	0.2 DL	2025	0.021	47	2023	0.004 DL	NP	2025	12 FB	2002	0.75	2025
WW-2-489 Conv	2013	Non Detect	0.27 DL	2018	0.24 DL	2025	0.28 DL	2018	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.005 DL	NP	2014	0.004 DL	NP	2025	4.30 K FB	2024	0.35 DL	2025
WW-2-664 Conv	2013	Non Detect	0.27 DL	2018	0.24 DL	2025	0.28 DL	2018	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.005 DL	NP	2014	0.004 DL	NP	2025	2.30 K FB	2024	0.35 DL	2025
WW-3 WestBay	2001	Low-Level NDMA (<4.9 ng/L)	1.60 DL	2002	0.24 DL	2025	0.62 DL	2004	0.21 DL	2025	0.7 DL	2003	0.2 DL	2025	0.012 J	40	2004	0.005 DL	NP	2025	95 RB *	2007	1.50 EB	2025
WW-4 WestBay	2001	Low-Level NDMA (<4.9 ng/L)	1.60 DL	2002	0.24 DL	2025	0.62 DL	2004	0.21 DL	2025	0.7 DL	2003	0.2 DL	2025	0.005 DL	NP	2016	0.004 DL	NP	2025	35	2016	2.88 K RB TB FB	2025
WW-5 WestBay	2001	Fluctuating LL NDMA	1.60 DL	2003	0.24 DL	2025	0.62 DL	2004	0.21 DL	2025	0.62 DL	2004	0.2 DL	2025	0.005 DL	NP	2016	0.004 DL	NP	2024	24	2024	6.26 RB A	2025

Reporting Period: 3Q/2025

Other Well Group

Well	1st Sample	Interpretation	Freon 11 Concentration (ug/L)				PCE Concentration (ug/L)				TCE Concentration (ug/L)				NDMA 607 Concentration (ug/L)						NDMA LL Concentration (ng/L)			
			Max	Year	Last	Year	Max	Year	Last	Year	Max	Year	Last	Year	Max	Ex Eff	Year	Last	Ex Eff	Year	Max	Year	Last	Year
MPE-1 Conv*	1999	Pumping Related Migration (Decreasing)	560	2005	180	2025	8.70	2010	4.70	2025	180	2010	94	2025	25	30	2009	6.60	44	2025	N/A		N/A	
MPE-10 Conv*	2004	Pumping Related Migration (No Overall Trend)	150	2017	130	2025	3.50	2025	3.10	2025	71	2025	68	2025	8.50	40	2021	4.70	44	2025	N/A		N/A	
MPE-11 Conv*	2004	Pumping Related Migration (No Overall Trend)	65	2008	12	2025	1.60	2008	0.36 J	2025	41	2008	8.00	2025	1.60	40	2007	0.36	44	2025	N/A		N/A	
MPE-9 Conv*	2004	Pumping Related Migration (No Overall Trend)	250	2015	200 D	2025	5.60	2025	4.80	2025	130	2018	110	2025	13	35	2019	5.70	44	2025	N/A		N/A	
PFE-1 Conv*	2000	Pumping Related Migration (Decreasing)	110	2010	3.60	2025	4.80	2010	0.28 J	2025	140	2005	6.50	2025	0.39	36	2017	0.12	40	2025	N/A		N/A	
PFE-2 Conv*	2000	Pumping Related Migration (No Overall Trend)	170	2007	53	2025	7.60	2007	2.40	2025	220	2007	65	2025	0.44	50	2024	0.32	40	2025	N/A		N/A	
PFE-3 Conv*	1991	Pumping Related Migration (Decreasing)	290	2006	22	2025	18	2004	1.10	2025	340	2004	26	2025	3.90	18	1991	0.18	40	2025	N/A		N/A	
PFE-4A Conv*	2001	Pumping Related Migration (Decreasing)	190	2004	1.00	2025	8.40	2007	0.21 DL	2025	240	2004	1.30	2025	0.26	36	2010	0.004 DL	NP	2025	20	2025	19	2025
[2]PFE-5	2000	Pumping Related Migration (Decreasing)	120	2009	12	2025	7.70	2006	1.70	2025	180	2009	40	2025	2.40	33	2006	0.48	40	2025	N/A		N/A	
PFE-7 Conv*	2001	Pumping Related Migration (Decreasing)	32	2004	3.00	2025	0.81 J	2004	0.21 DL	2025	41	2004	4.20	2025	0.022	44	2004	0.004 DL	NP	2025	2.3 QD	2025	2.09	2025

Notes:

T-C plot interpretations are based on a review of all T-C plots for a given well. This table generalizes the historical maximum concentration and last concentrations for four of the primary VOCs in groundwater. Evaluation of the data in this table should be used in conjunction with T-C plots as the maximum and current values do not always accurately represent the overall T-C plot trend.

NDMA analytical results using two methods: 1) Method 607 (ug/L), extraction efficiency provided, the applicable detection limit is typically 0.004 to 0.005 ug/L; and 2) Low Level (ng/L), the applicable detection limit is 0.22 to 0.23 ng/L.

For wells with several maximum concentrations with the same value (typically the detection limit), the latest sampling event for which the detection limit applied was used for the sample year.

Reporting Period: 3Q/2025

Appendix E: Summary of Maximum Concentrations, Current Concentrations and T-C Plot Interpretations for WSTF Monitoring Well Network

N/A = Not available.

[1] = NDMA LL samples previously reported above the detection limit of 0.34 ng/L have not been collected for a period greater than 5 years.

A = The result of an analyte for a laboratory control sample (LCS) was outside standard limits.

DL = Maximum detection limit and most recent year they were used are reported in the table. Detection limits can change over time, typically decreasing as analytical techniques improve.

EB = Detected in equipment blank.

FB = Detected in field blank.

J = Concentration values between the detection limit and practical quantitation limit.

K = The peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration.

NP = NDMA Method 607 extraction efficiency not provided where the analytical result is non-detect (e.g. 0.004DL or 0.05RL)

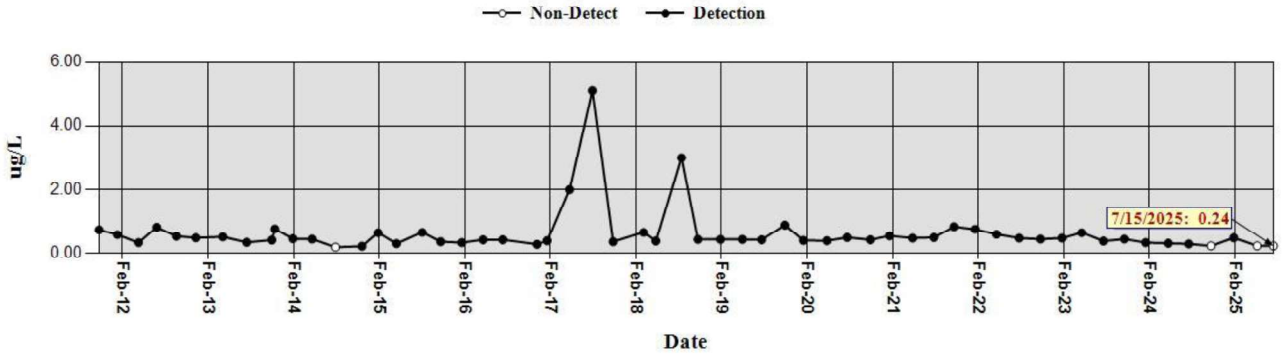
QD = duplicate error.

RL = Concentration presents half of the reporting limit. The maximum reporting limits and most recent year it was used are reported in the table. Reporting limits can change over time, typically decreasing as analytical techniques improve.

TB = Detected in trip blank.

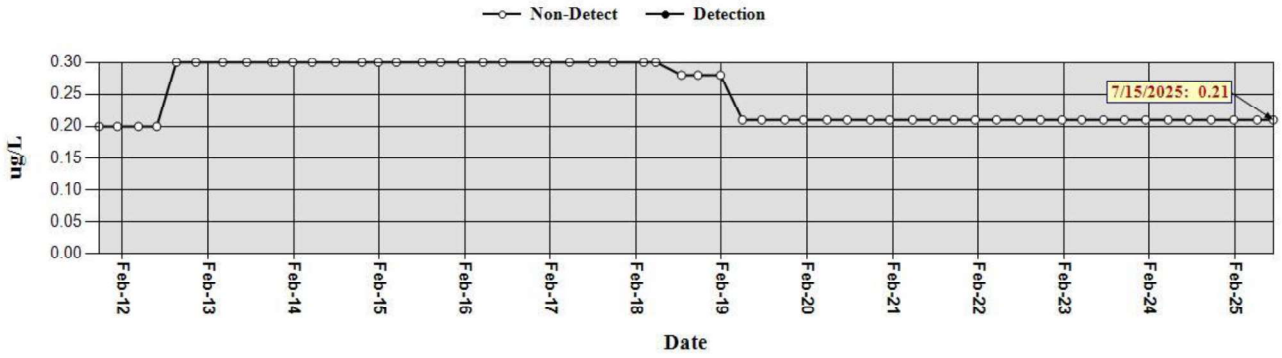
Well ID: 600-G-138
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



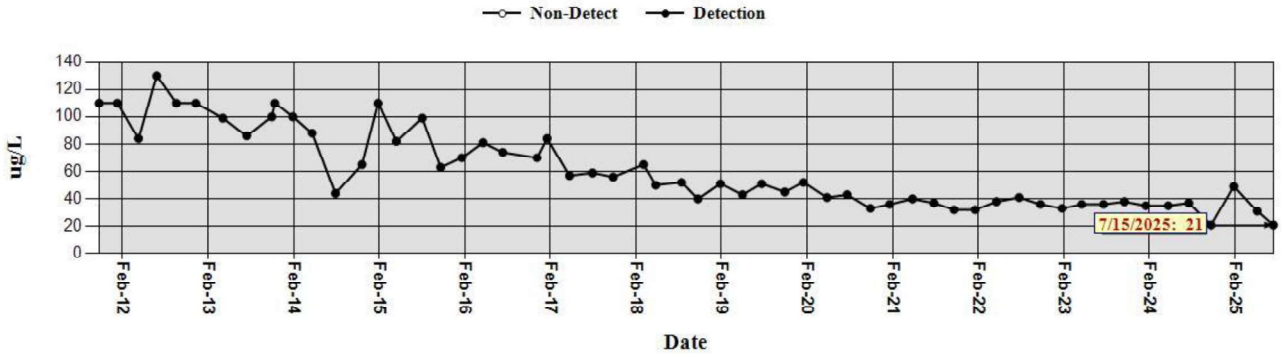
Well ID: 600-G-138
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



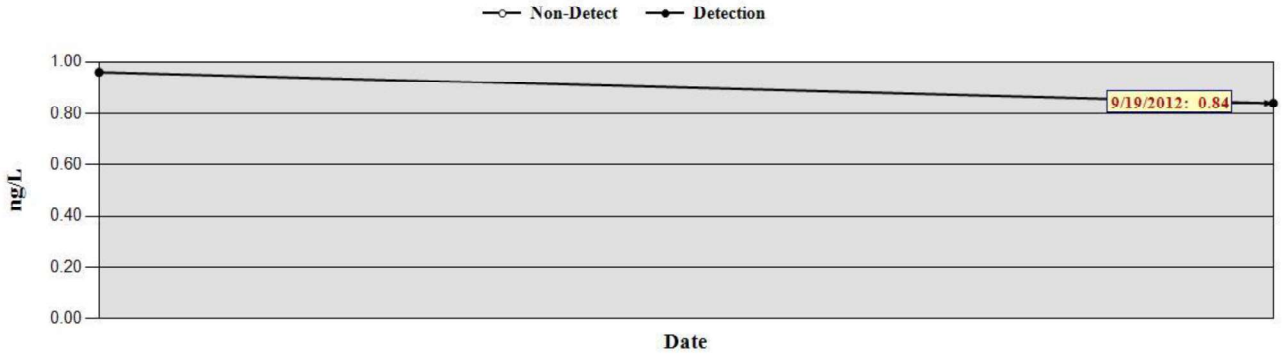
Well ID: 600-G-138
CAS RN: 79-01-6 Trichloroethene

Analysis: 8260



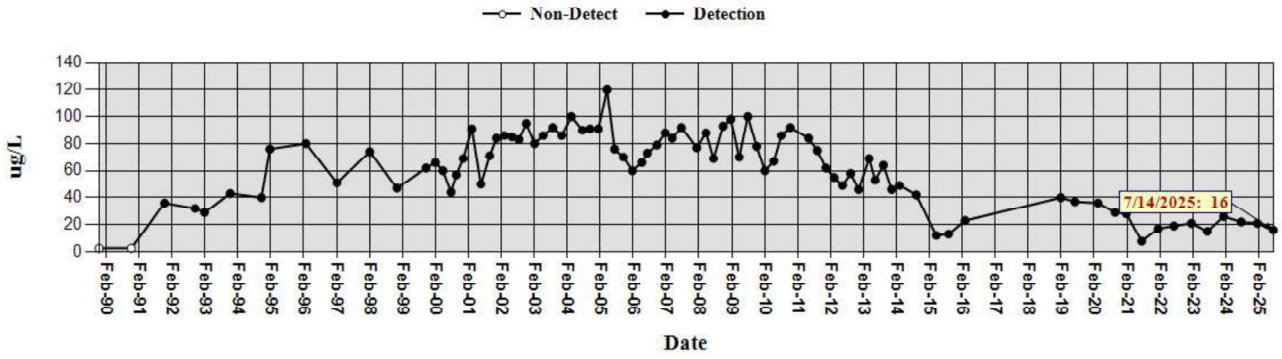
Well ID: 600-G-138
CAS RN: 62-75-9 N-Nitrosodimethylamine

Analysis: NDMA_LL



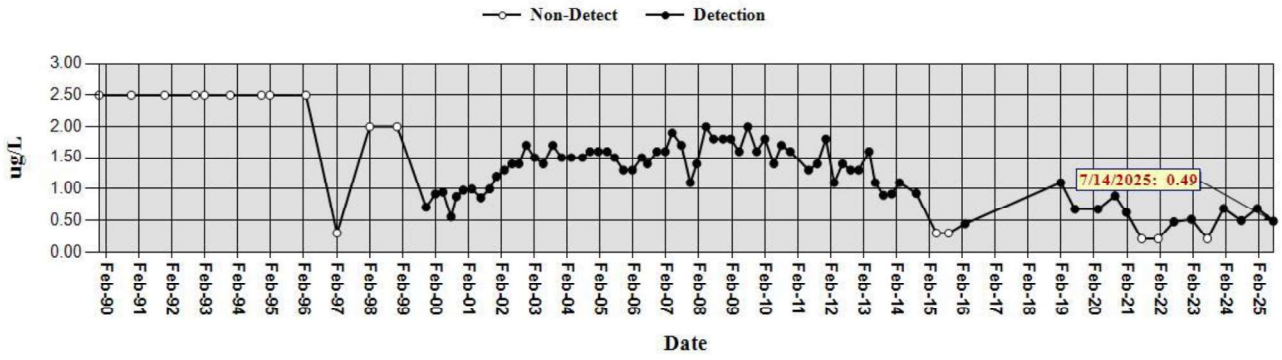
Well ID: BLM-18-430
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



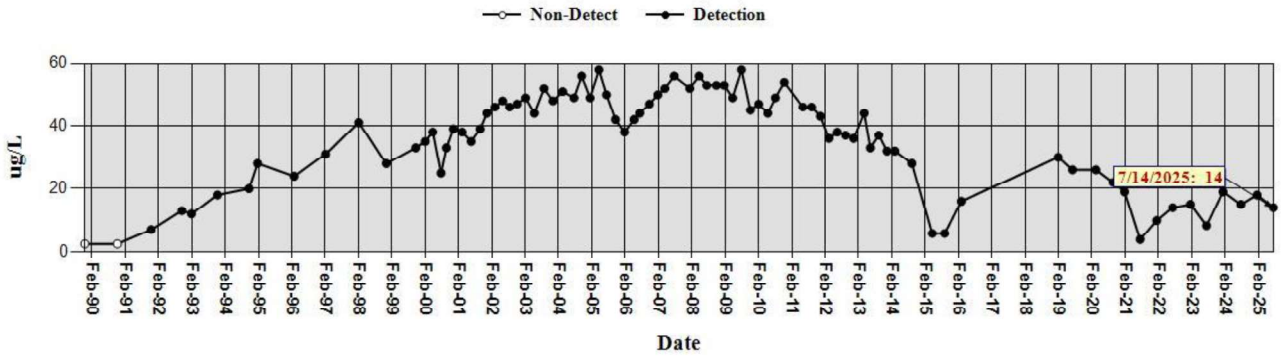
Well ID: BLM-18-430
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: BLM-18-430
CAS RN: 79-01-6 Trichloroethene

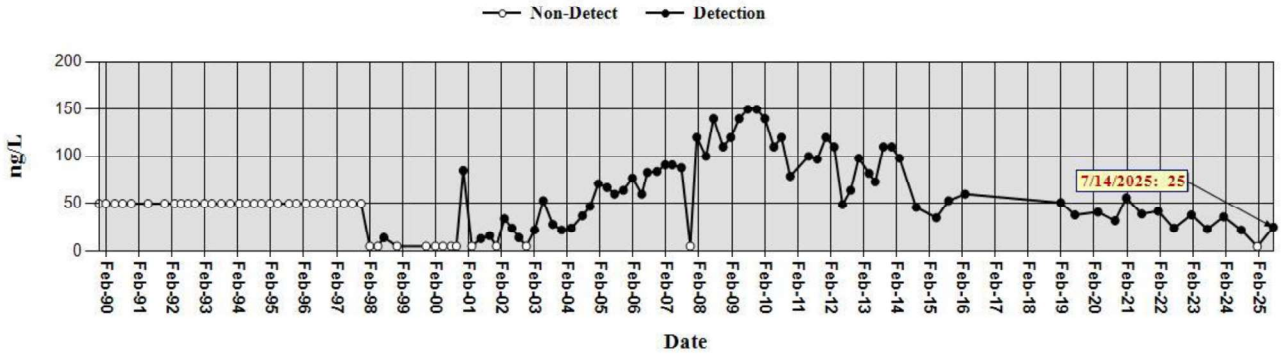
Analysis: 8260



Well ID: BLM-18-430
CAS RN: 62-75-9 N-Nitrosodimethylamine

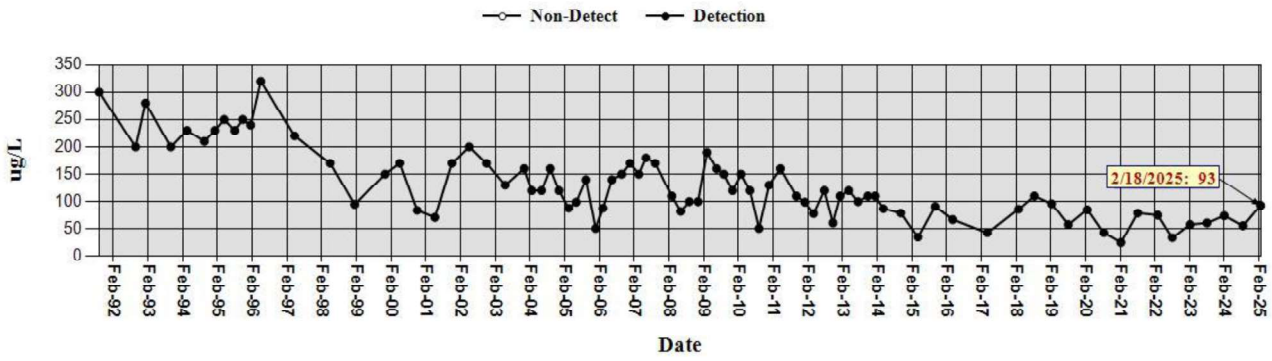
Analysis: 607

Results are Corrected for Extraction Efficiency



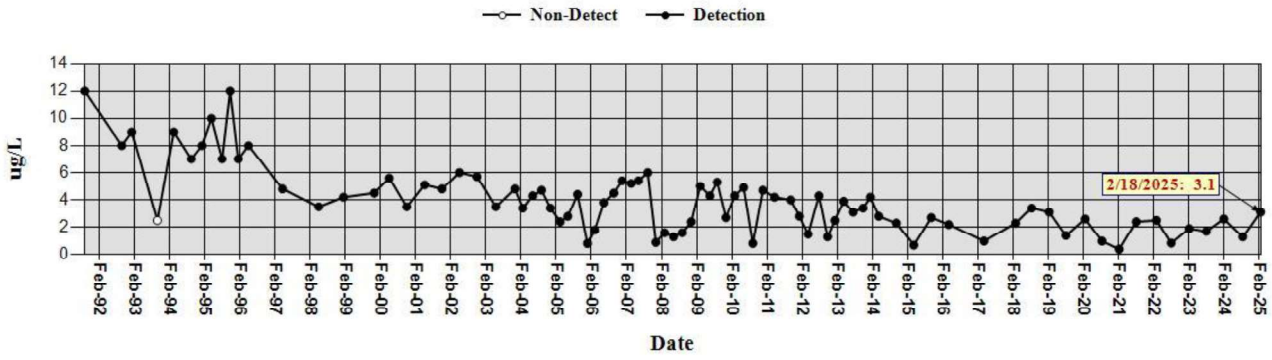
Well ID: BLM-21-400
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



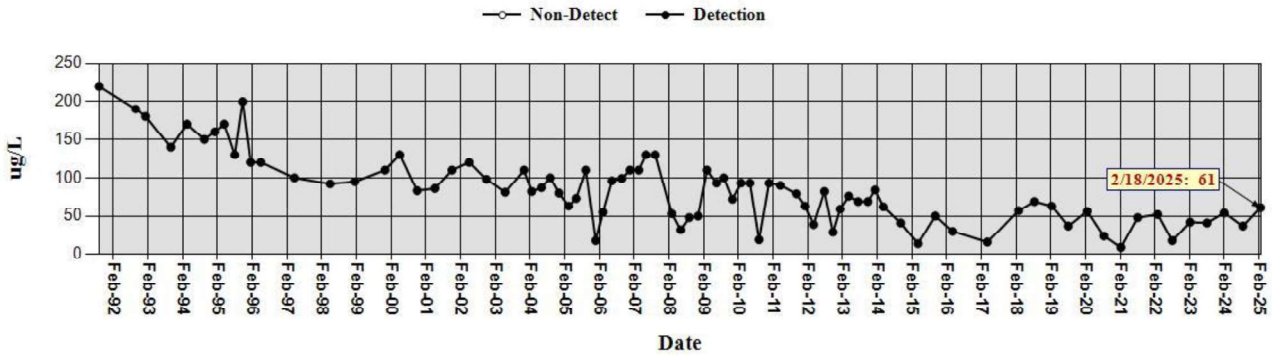
Well ID: BLM-21-400
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: BLM-21-400
CAS RN: 79-01-6 Trichloroethene

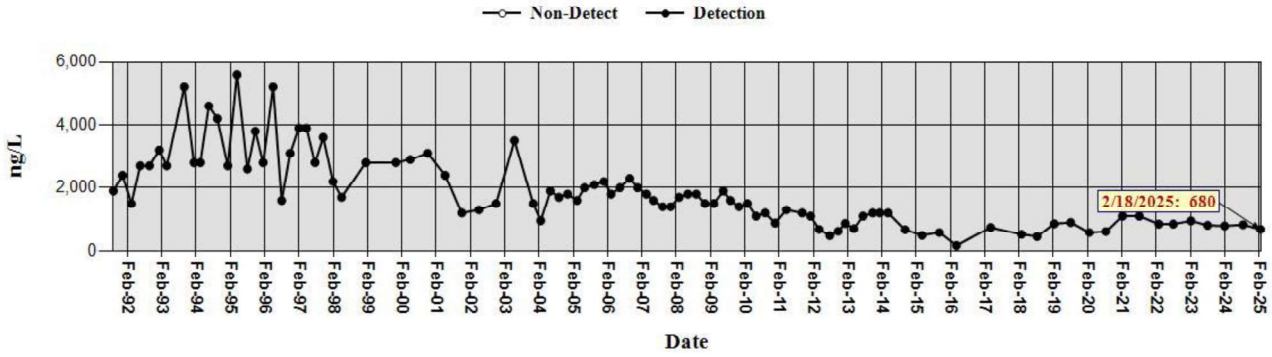
Analysis: 8260



Well ID: BLM-21-400
CAS RN: 62-75-9 N-Nitrosodimethylamine

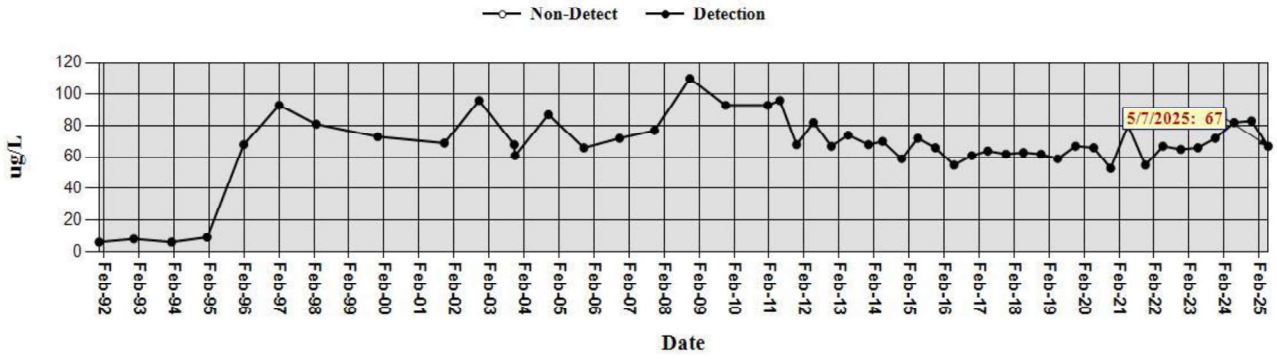
Analysis: 607

Results are Corrected for Extraction Efficiency



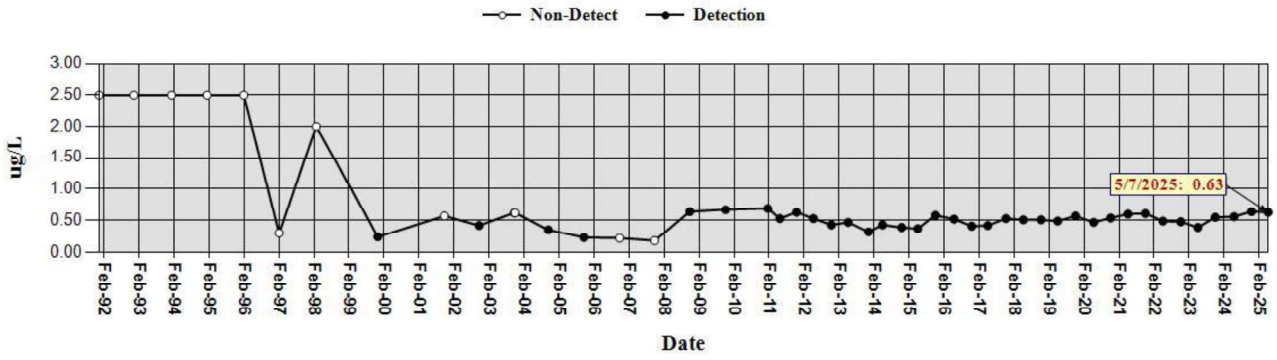
Well ID: BLM-26-404
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



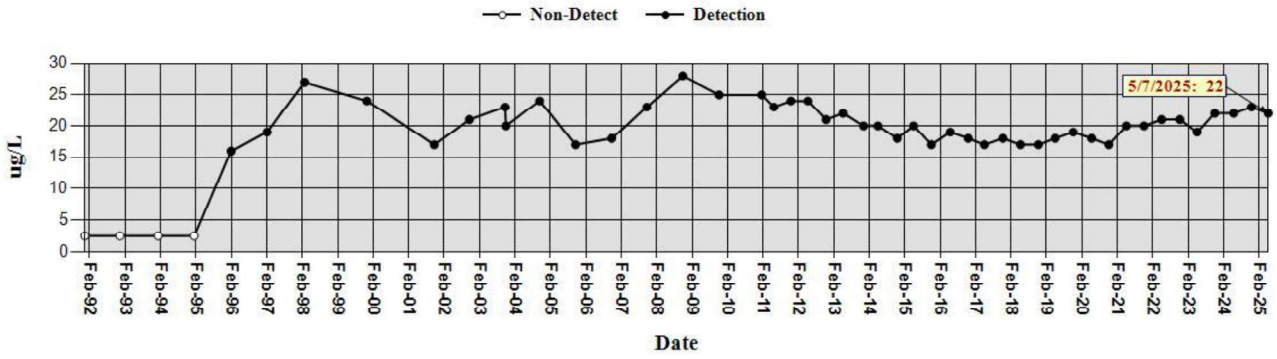
Well ID: BLM-26-404
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: BLM-26-404
CAS RN: 79-01-6 Trichloroethene

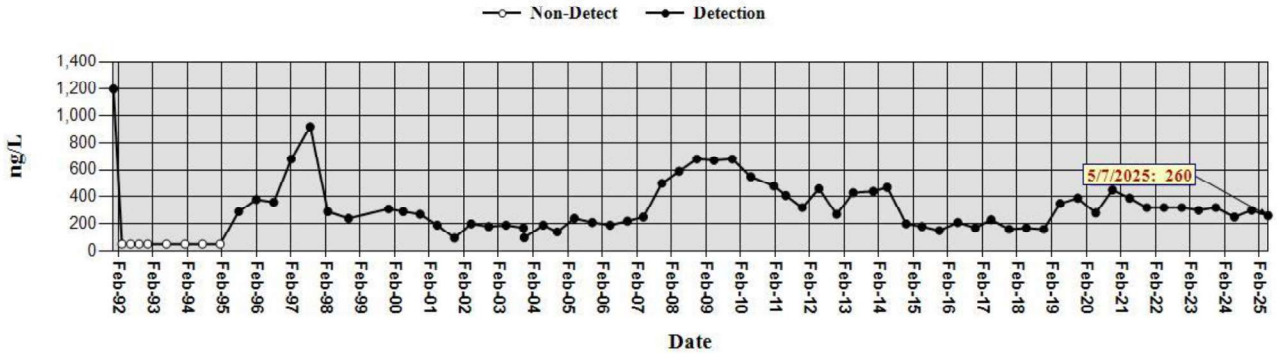
Analysis: 8260



Well ID: BLM-26-404
CAS RN: 62-75-9 N-Nitrosodimethylamine

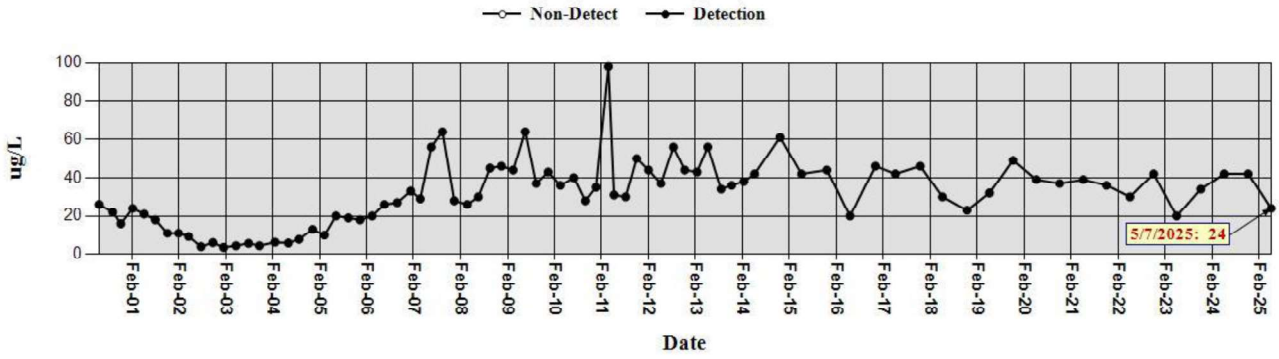
Analysis: 607

Results are Corrected for Extraction Efficiency



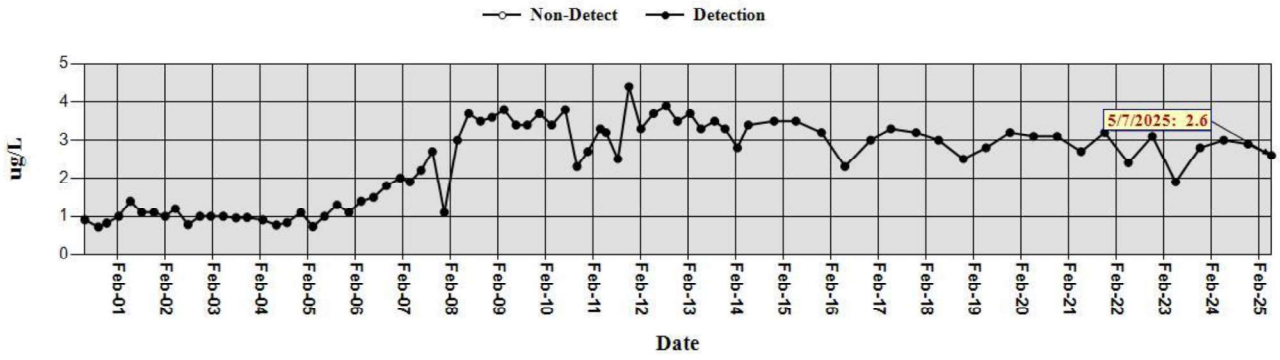
Well ID: BLM-36-350
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



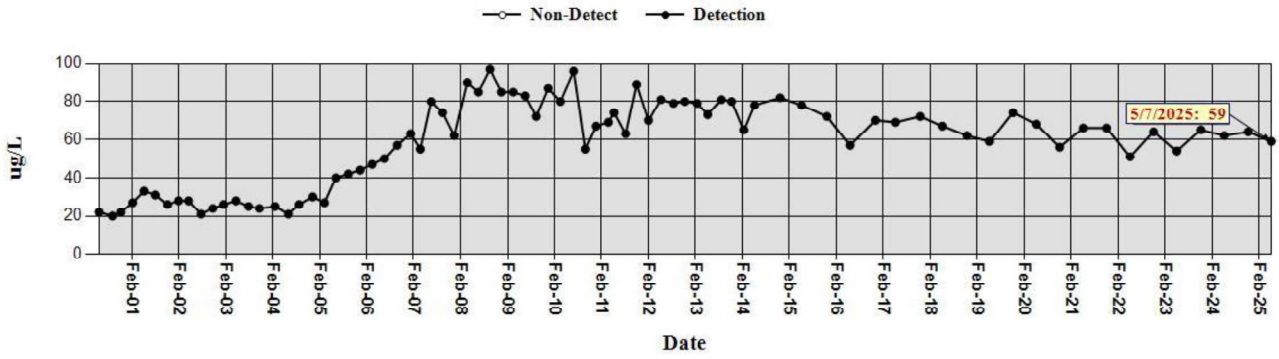
Well ID: BLM-36-350
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: BLM-36-350
CAS RN: 79-01-6 Trichloroethene

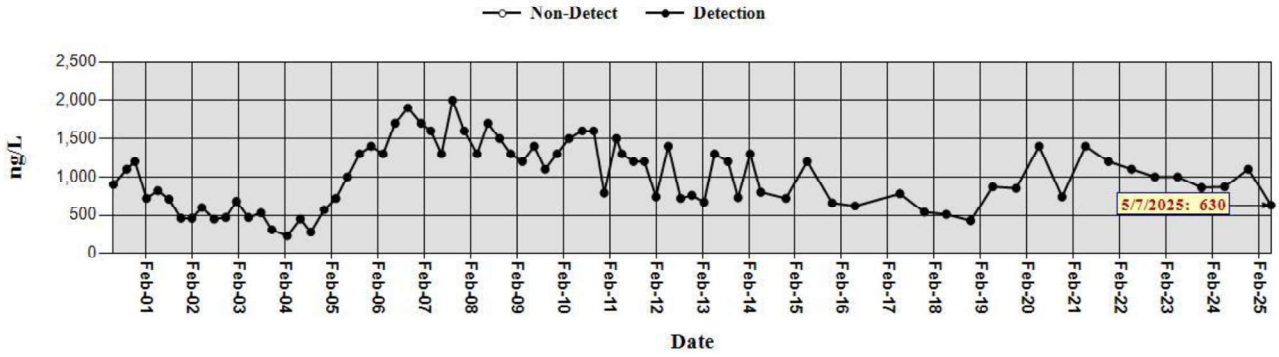
Analysis: 8260



Well ID: BLM-36-350
CAS RN: 62-75-9 N-Nitrosodimethylamine

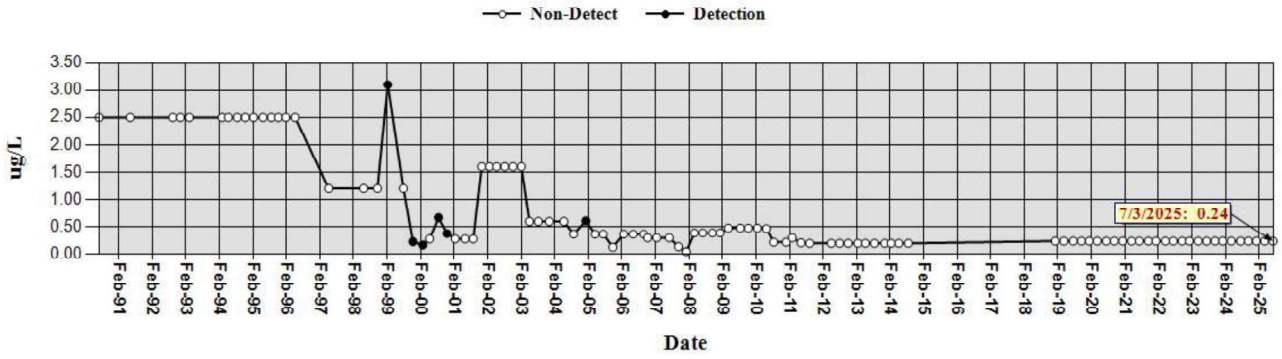
Analysis: 607

Results are Corrected for Extraction Efficiency



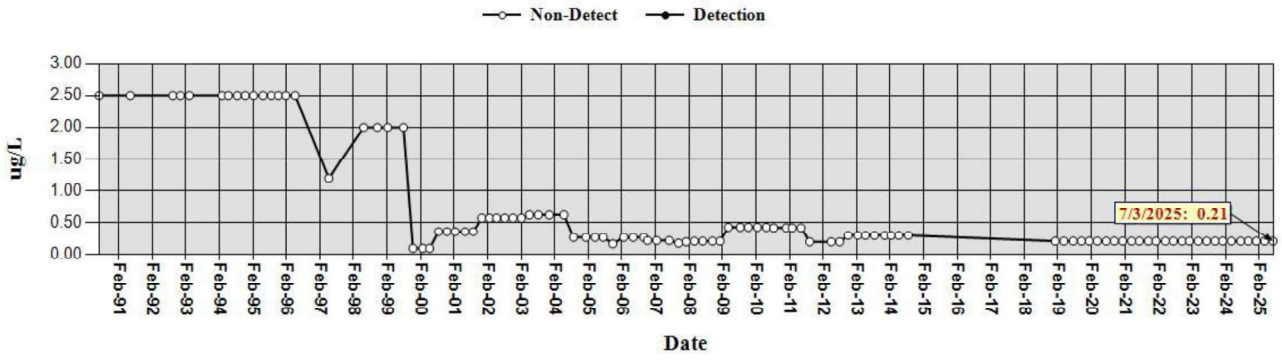
Well ID: BLM-6-488
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



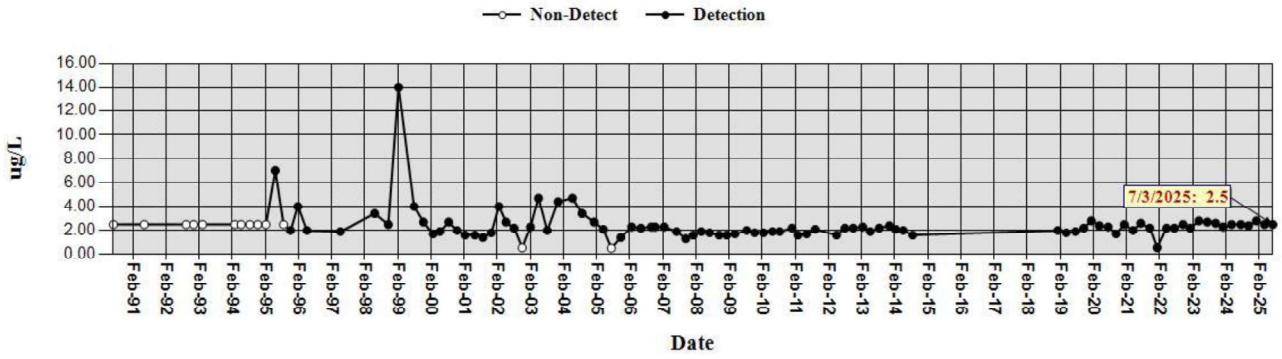
Well ID: BLM-6-488
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



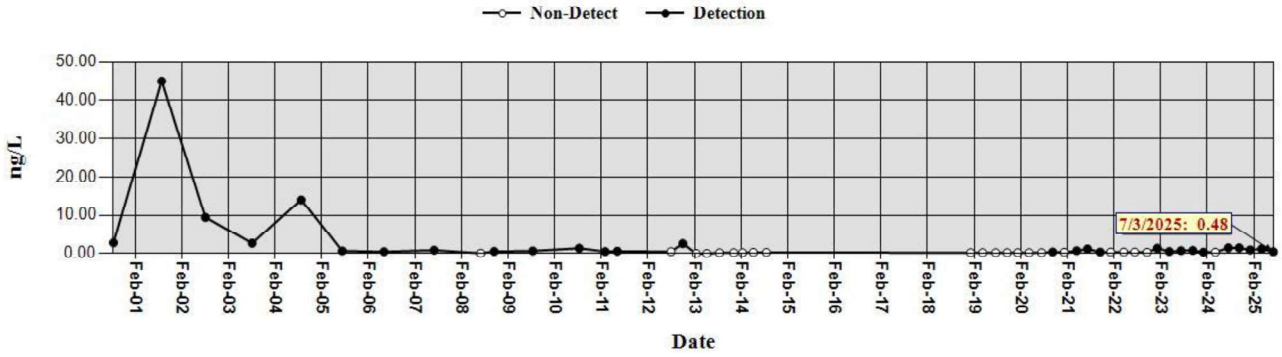
Well ID: BLM-6-488
CAS RN: 79-01-6 Trichloroethene

Analysis: 8260



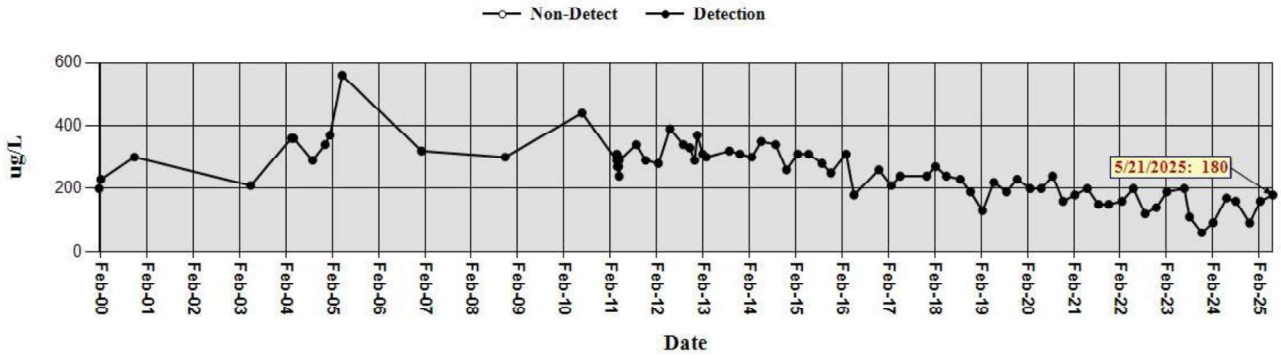
Well ID: BLM-6-488
CAS RN: 62-75-9 N-Nitrosodimethylamine

Analysis: NDMA_LL



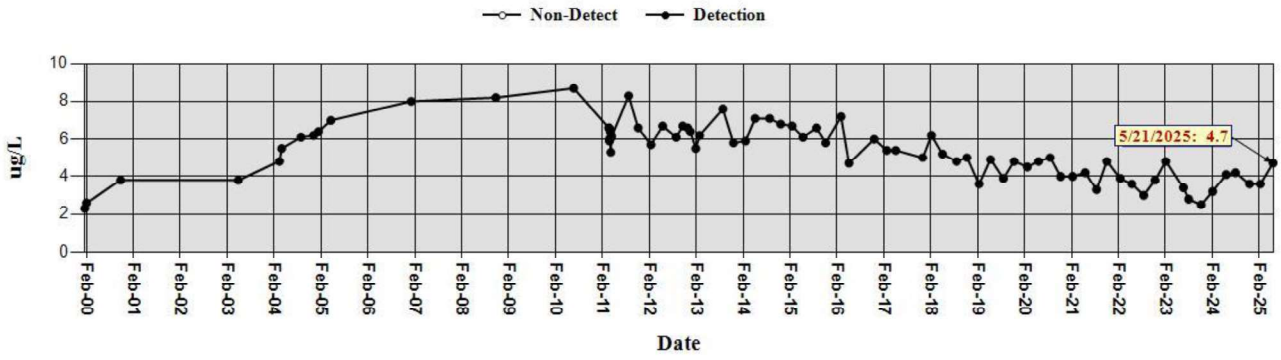
Well ID: MPE-1
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



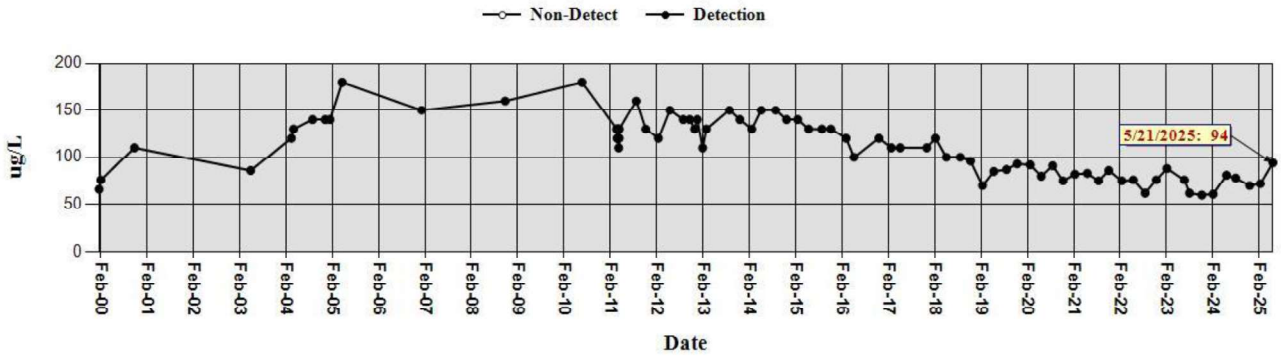
Well ID: MPE-1
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: MPE-1
CAS RN: 79-01-6 Trichloroethene

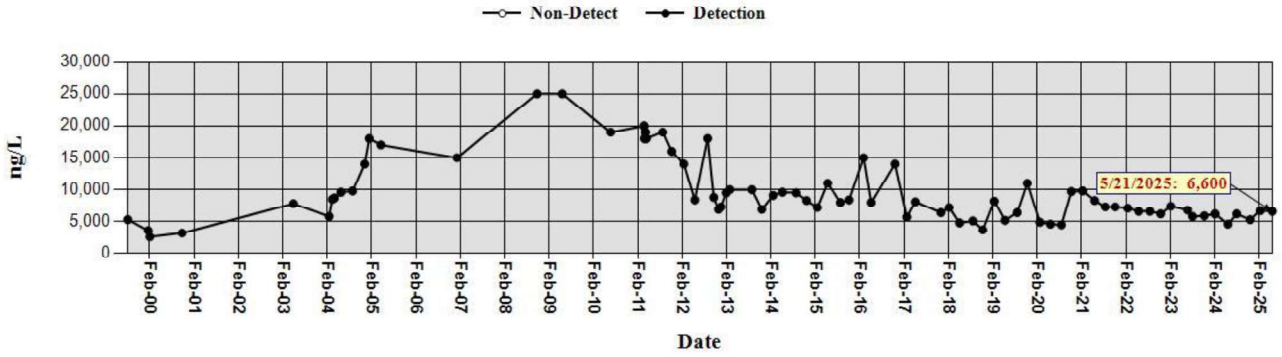
Analysis: 8260



Well ID: MPE-1
CAS RN: 62-75-9 N-Nitrosodimethylamine

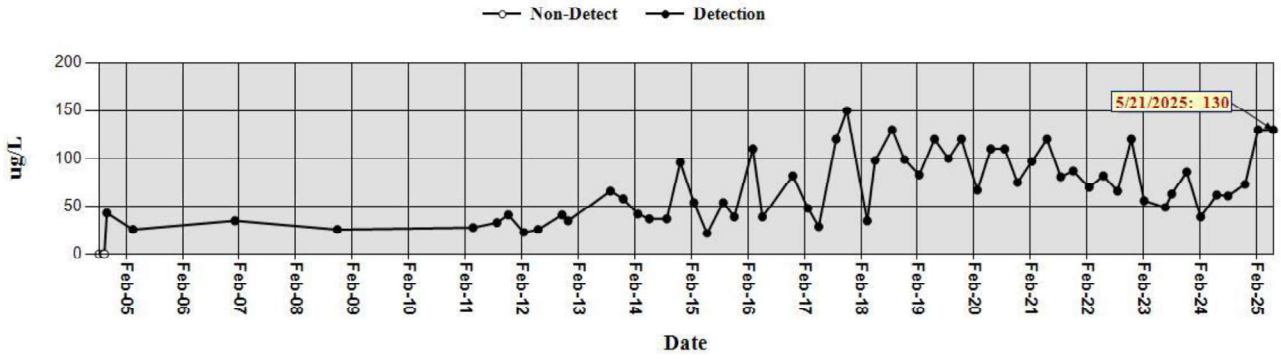
Analysis: 607

Results are Corrected for Extraction Efficiency



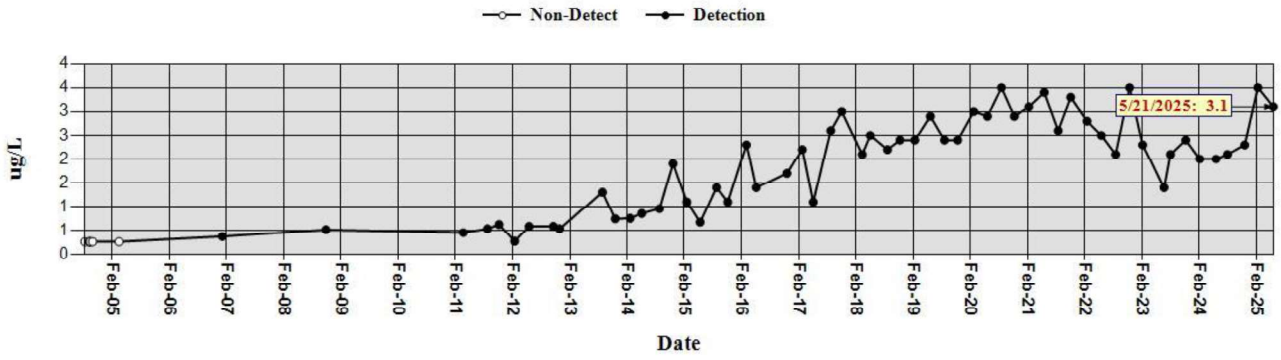
Well ID: MPE-10
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



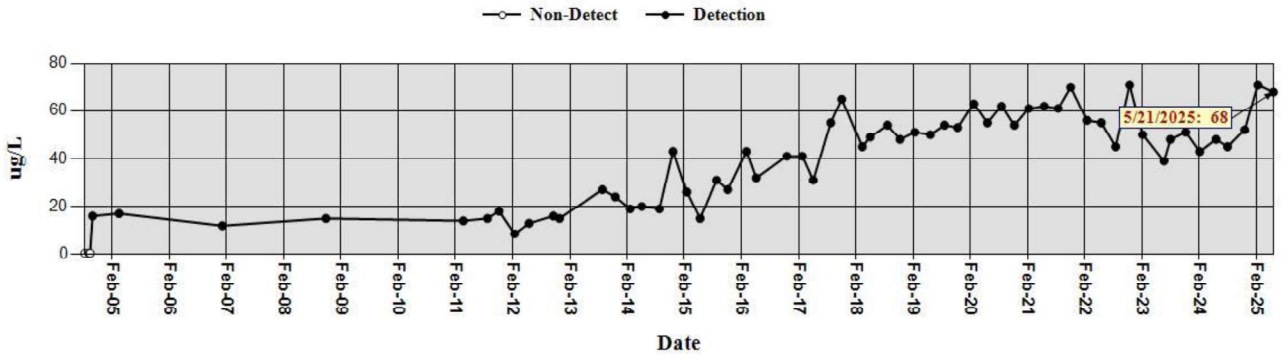
Well ID: MPE-10
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: MPE-10
CAS RN: 79-01-6 Trichloroethene

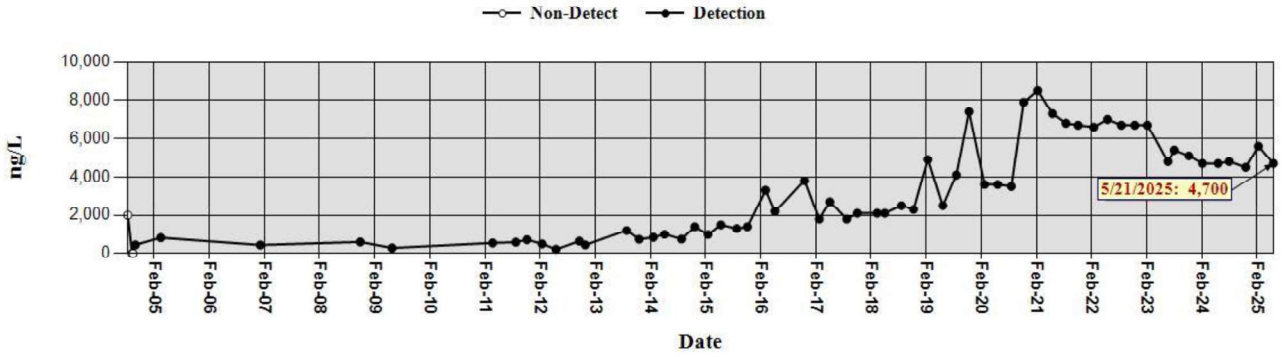
Analysis: 8260



Well ID: MPE-10
CAS RN: 62-75-9 N-Nitrosodimethylamine

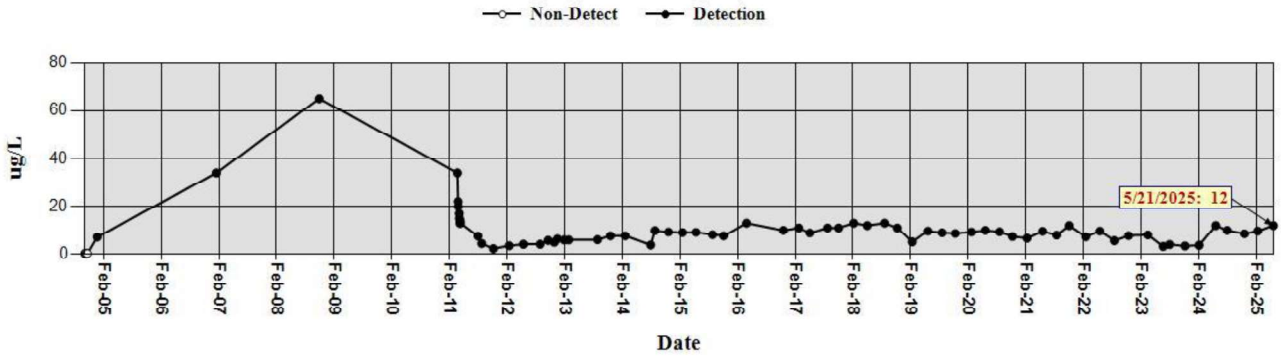
Analysis: 607

Results are Corrected for Extraction Efficiency



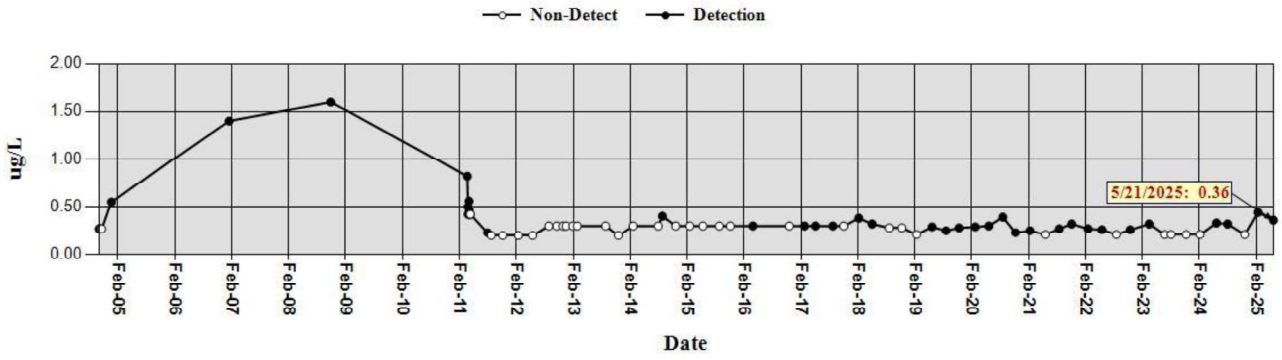
Well ID: MPE-11
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



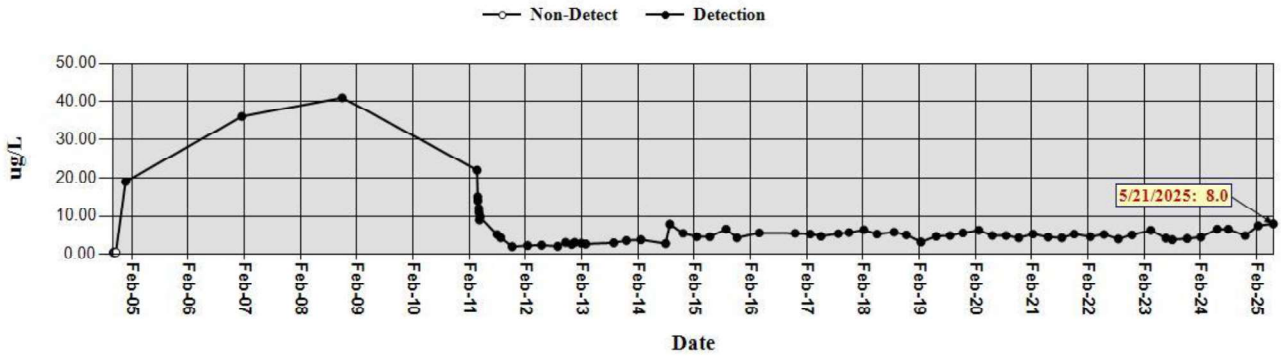
Well ID: MPE-11
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: MPE-11
CAS RN: 79-01-6 Trichloroethene

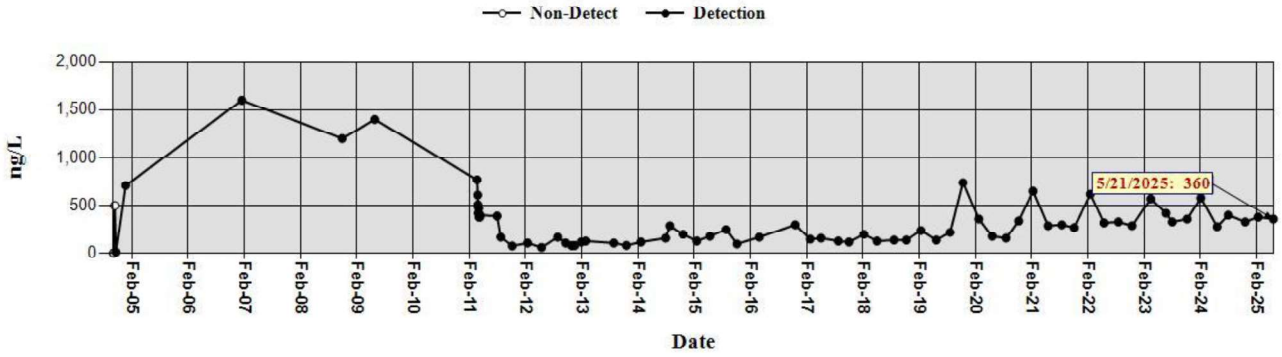
Analysis: 8260



Well ID: MPE-11
CAS RN: 62-75-9 N-Nitrosodimethylamine

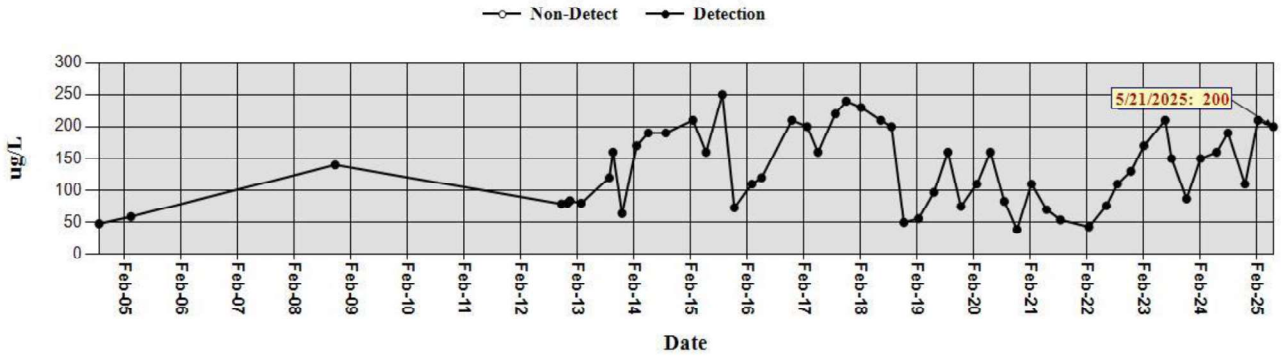
Analysis: 607

Results are Corrected for Extraction Efficiency



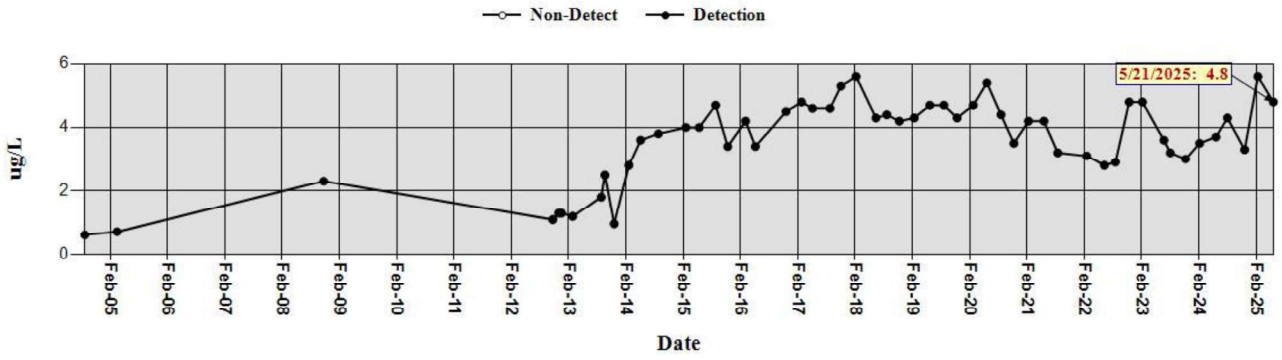
Well ID: MPE-9
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



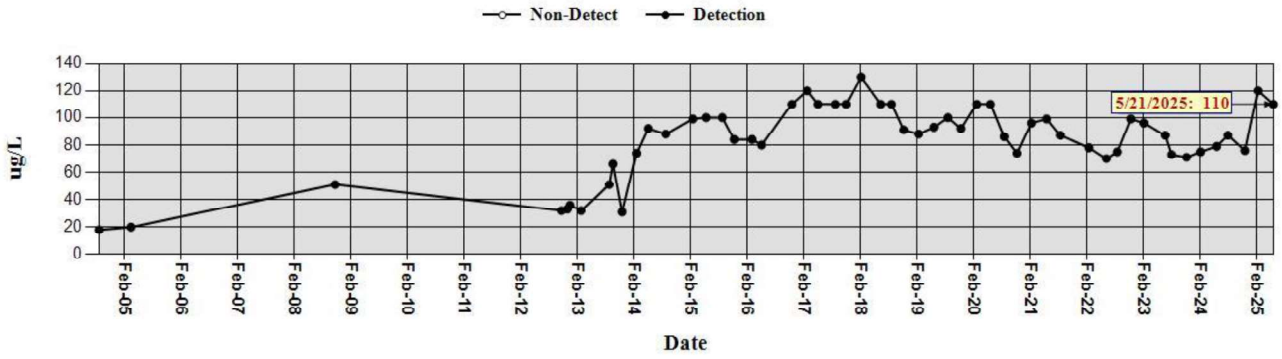
Well ID: MPE-9
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: MPE-9
CAS RN: 79-01-6 Trichloroethene

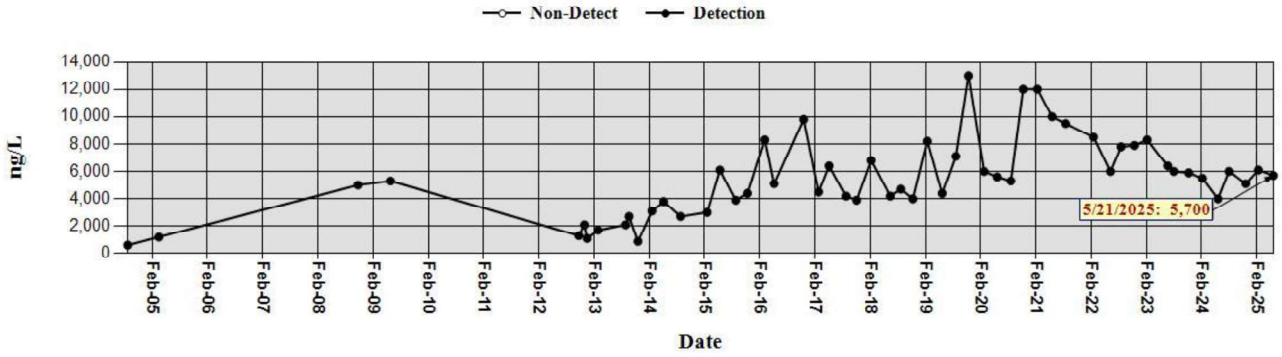
Analysis: 8260



Well ID: MPE-9
CAS RN: 62-75-9 N-Nitrosodimethylamine

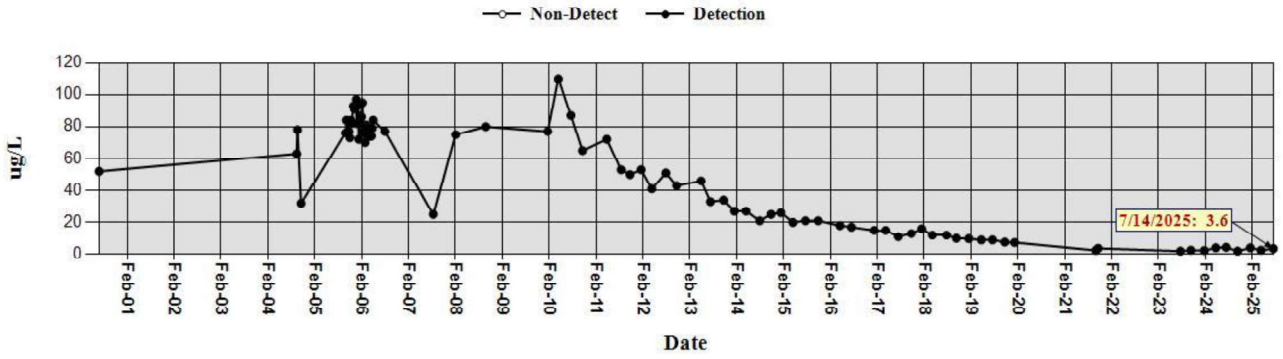
Analysis: 607

Results are Corrected for Extraction Efficiency



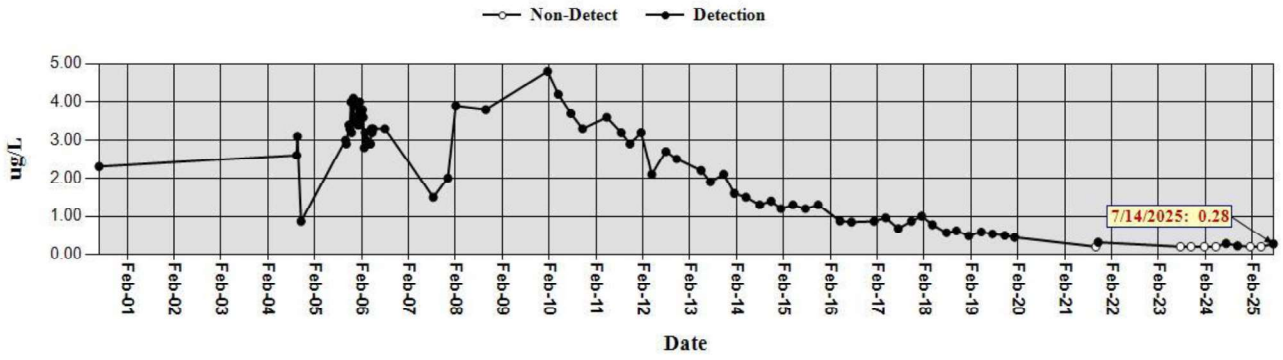
Well ID: PFE-1
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



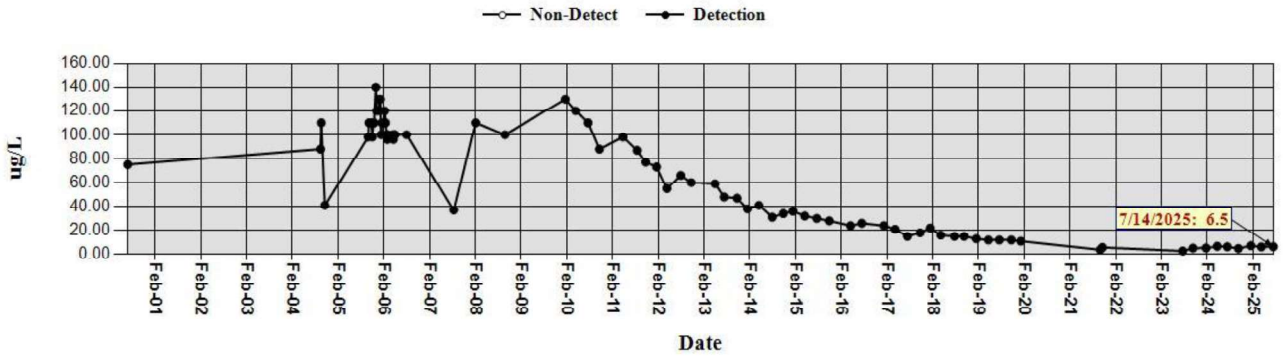
Well ID: PFE-1
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: PFE-1
CAS RN: 79-01-6 Trichloroethene

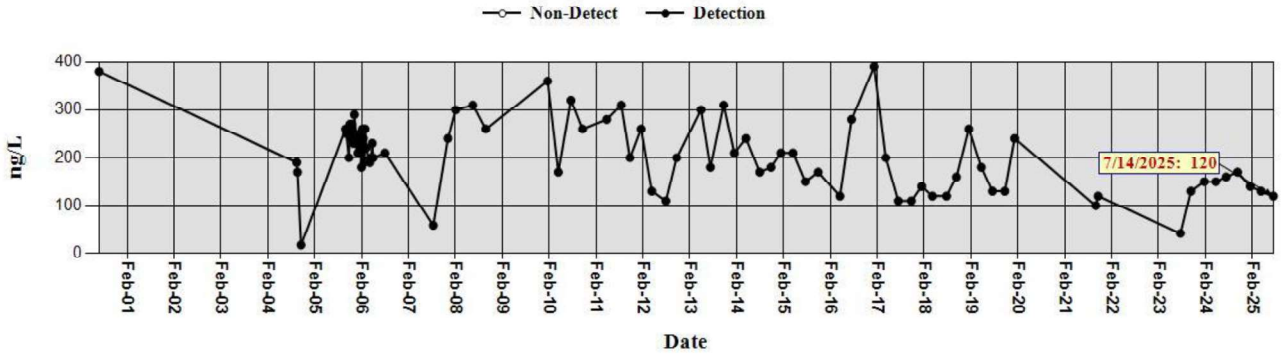
Analysis: 8260



Well ID: PFE-1
CAS RN: 62-75-9 N-Nitrosodimethylamine

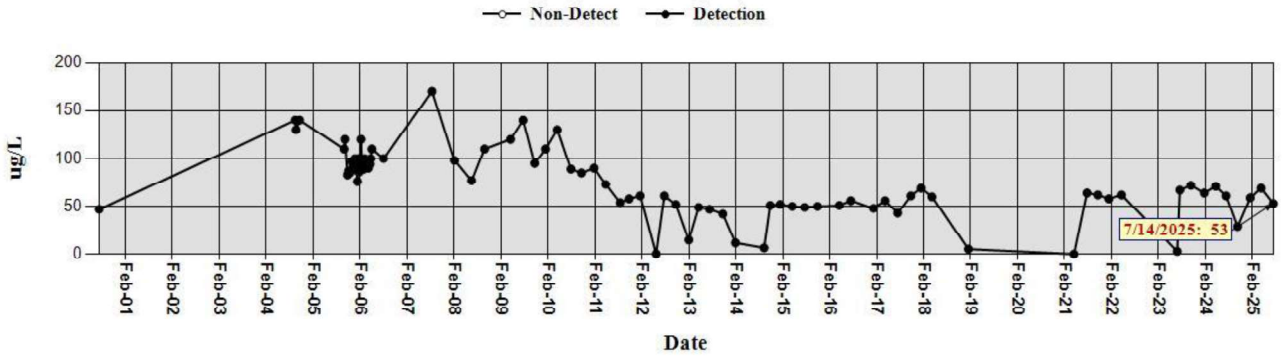
Analysis: 607

Results are Corrected for Extraction Efficiency



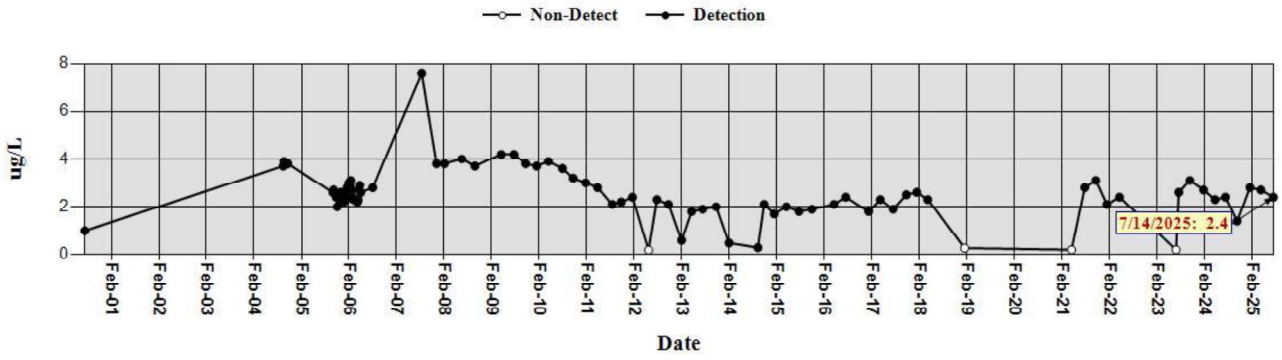
Well ID: PFE-2
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



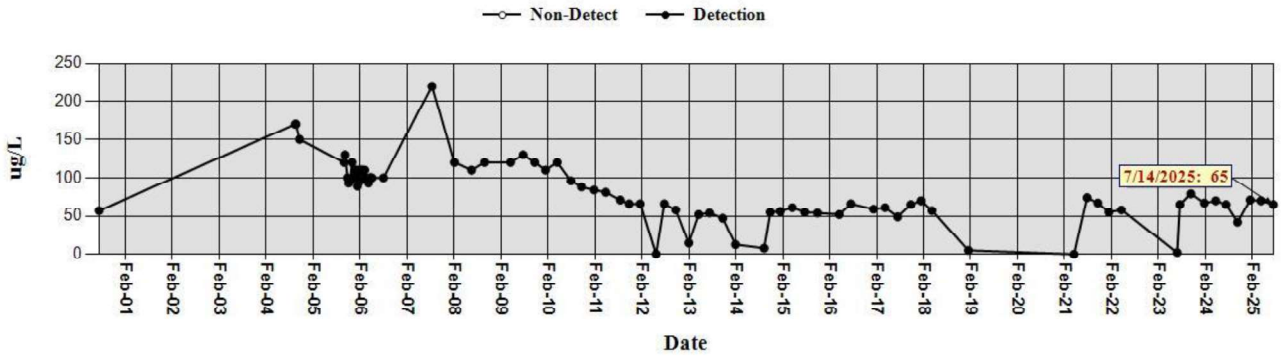
Well ID: PFE-2
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: PFE-2
CAS RN: 79-01-6 Trichloroethene

Analysis: 8260



Well ID: PFE-2
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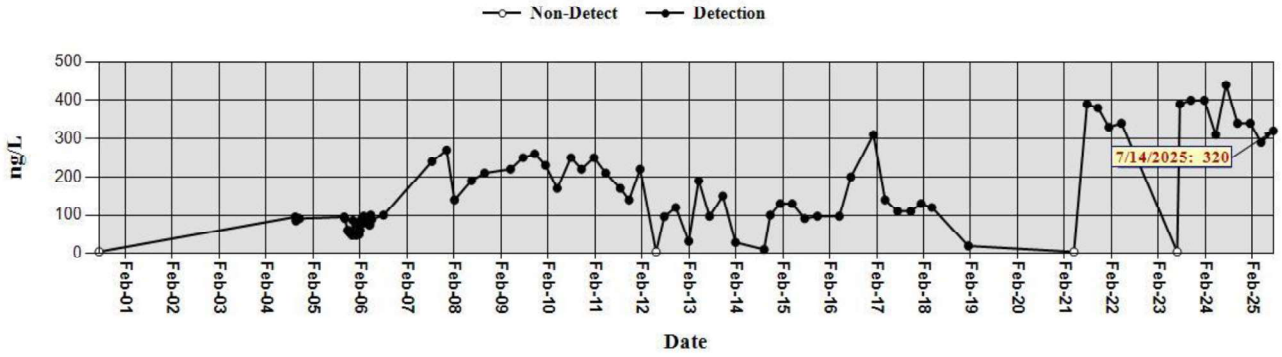
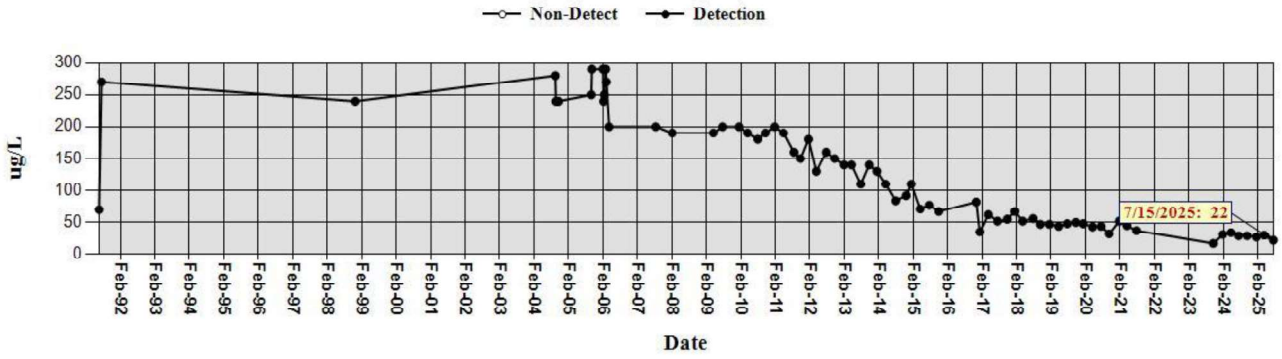
Analysis: 607

Results are Corrected for Extraction Efficiency



Well ID: PFE-3
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



Well ID: PFE-3
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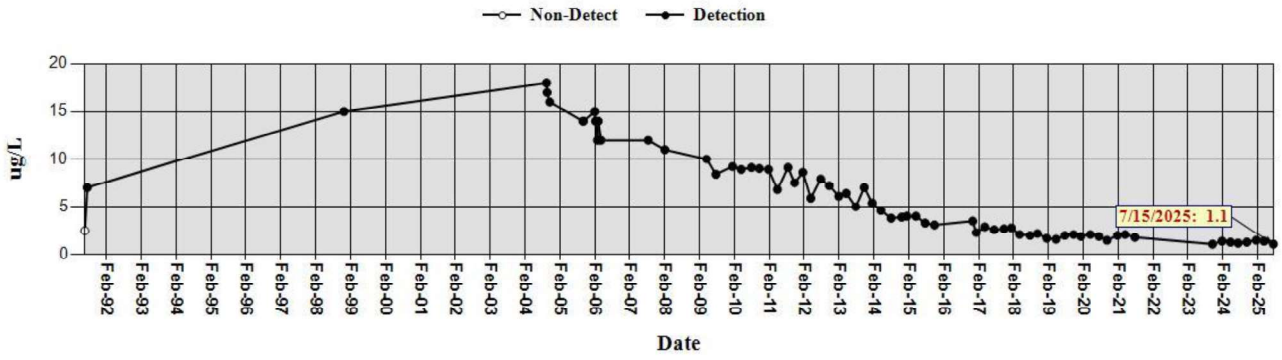
Analysis: 8260



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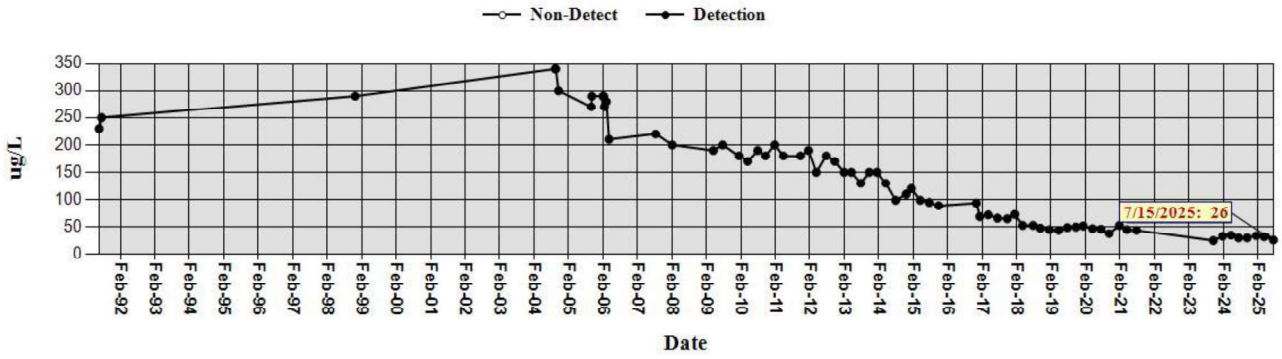
Analysis: 8260



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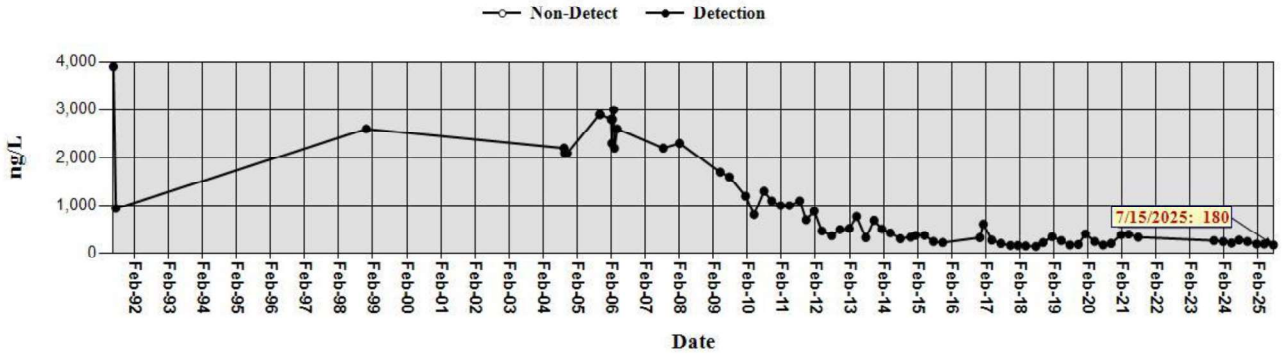
CAS RN: 62-75-9 N-Nitrosodimethylamine

Analysis: 607

Results are Corrected for Extraction Efficiency



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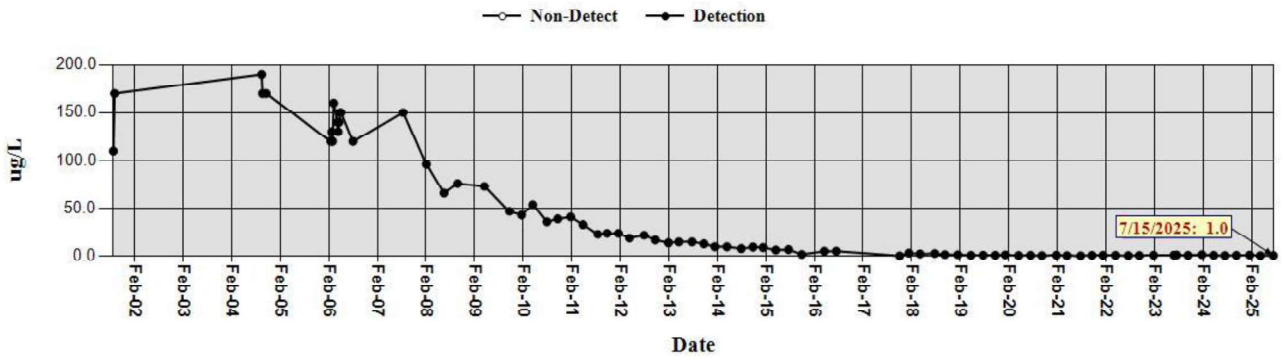
Analysis: 8260



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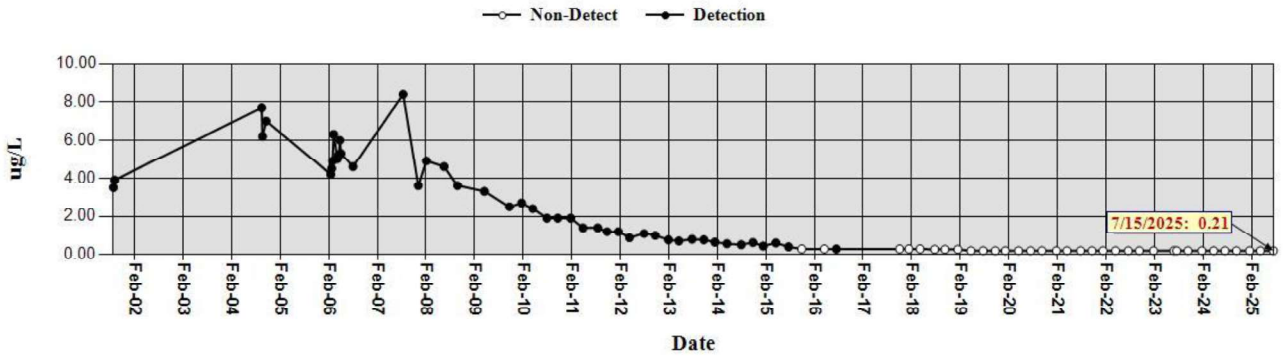
Analysis: 8260



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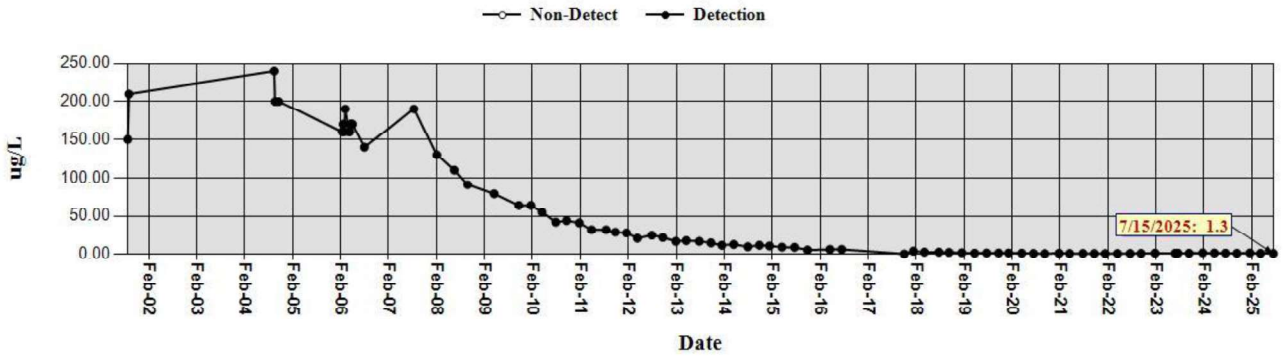
Analysis: 8260



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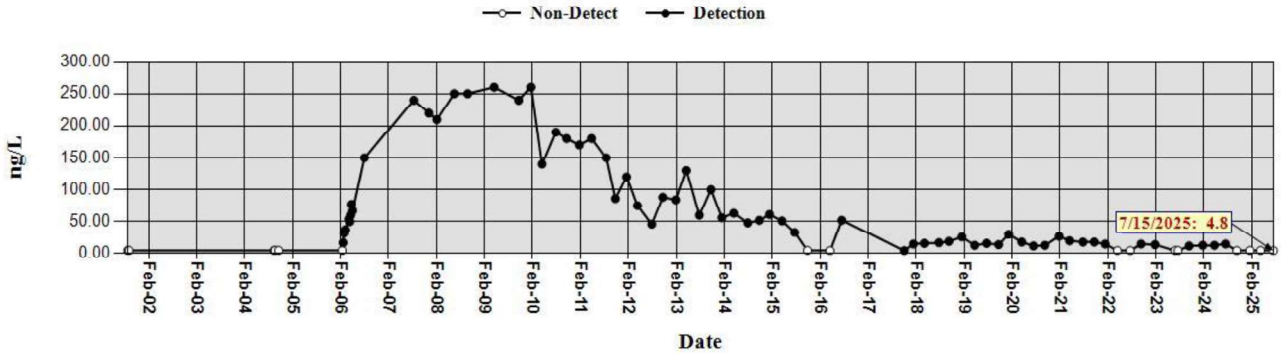
Analysis: 607

Results are Corrected for Extraction Efficiency



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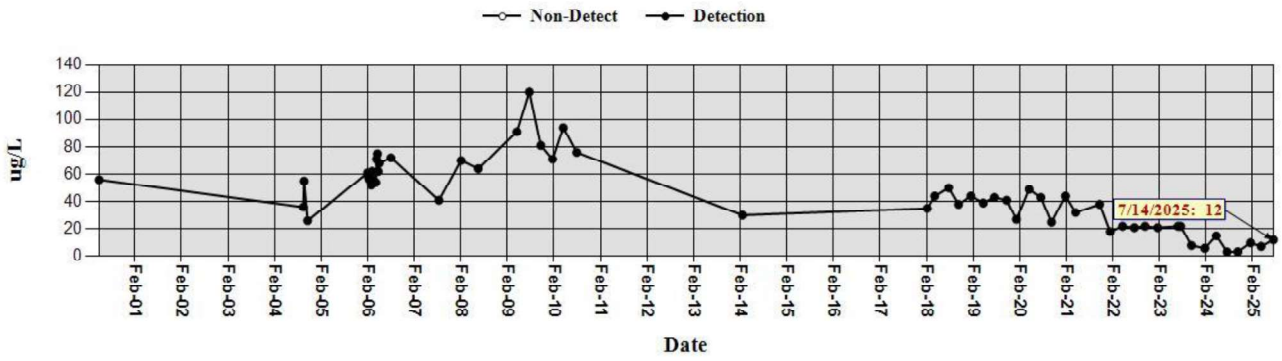
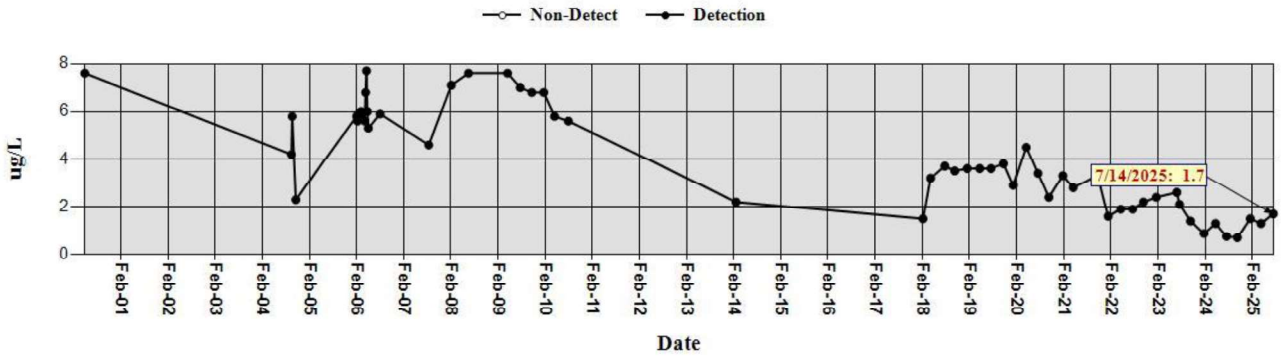
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



Well ID: PFE-5
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



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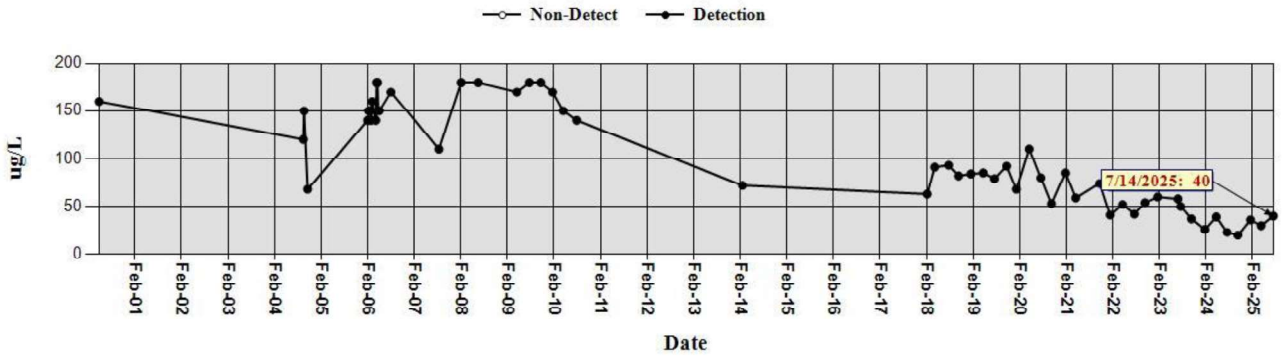
Analysis: 8260



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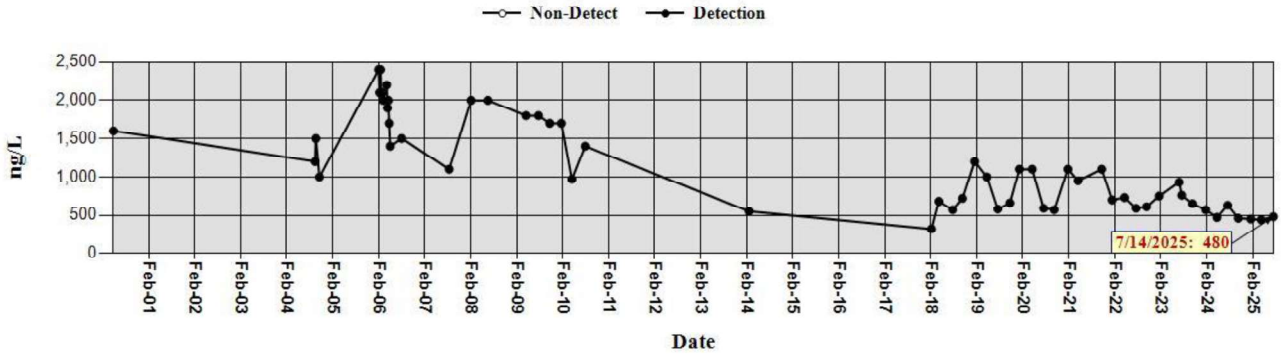
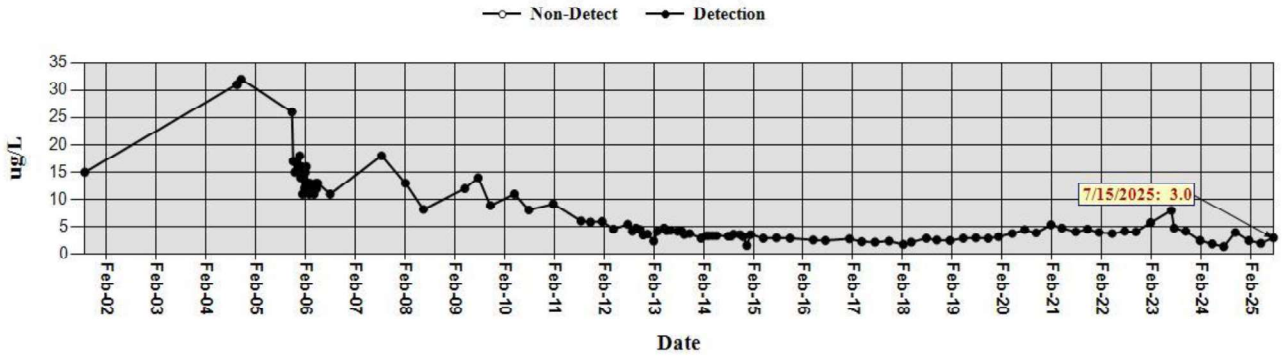
Analysis: 607

Results are Corrected for Extraction Efficiency



Well ID: PFE-7
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



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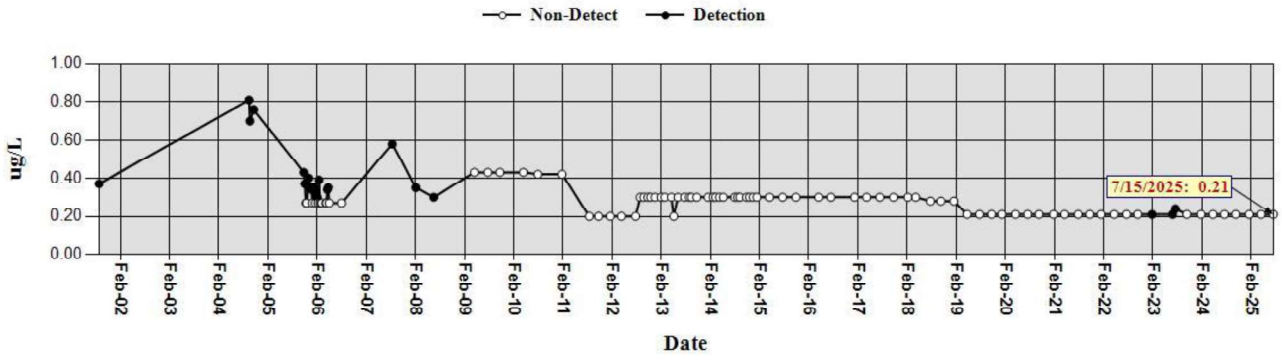
Analysis: 8260



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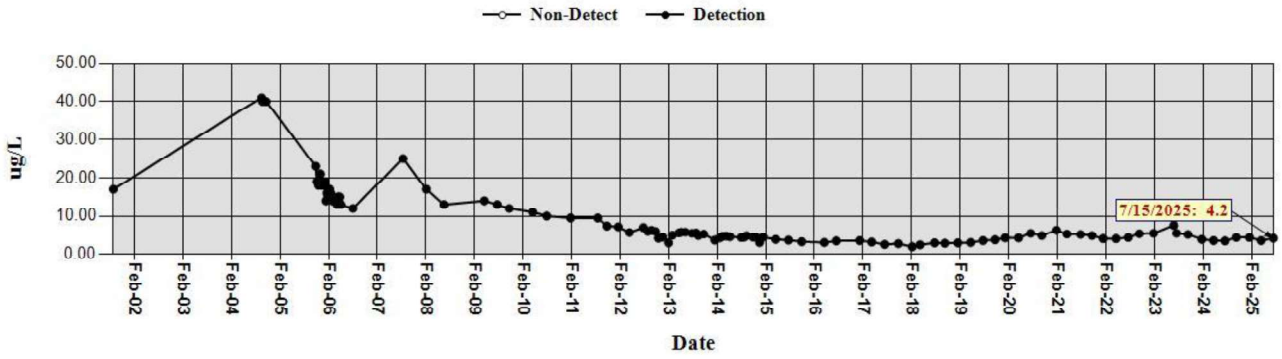
Analysis: 8260



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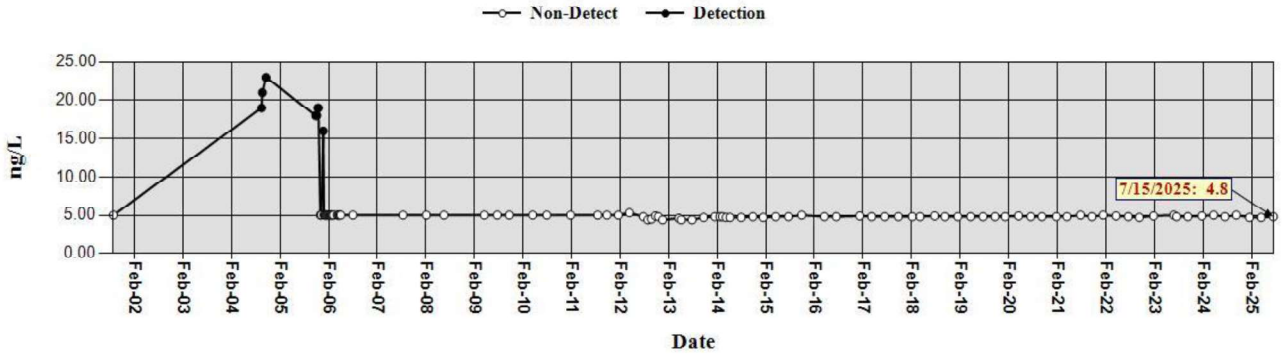
Analysis: 607

Results are Corrected for Extraction Efficiency



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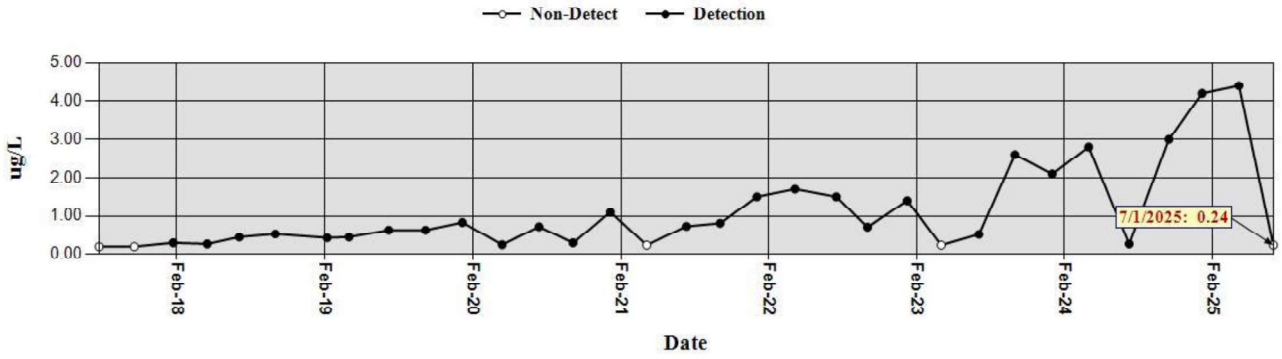
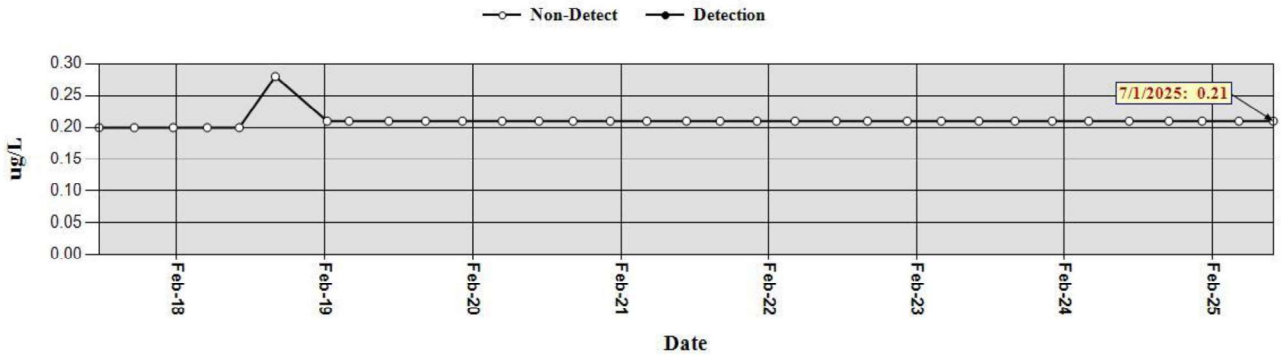
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



Well ID: ST-7-544
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: ST-7-544
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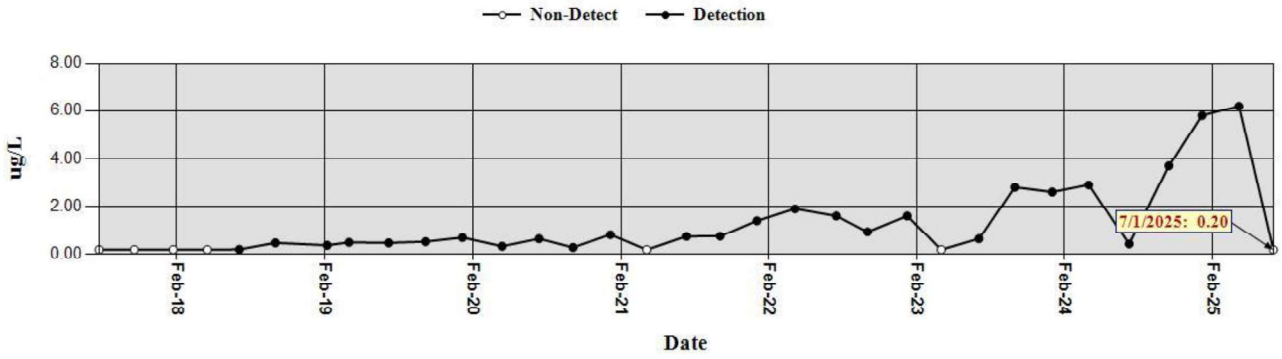
Analysis: 8260



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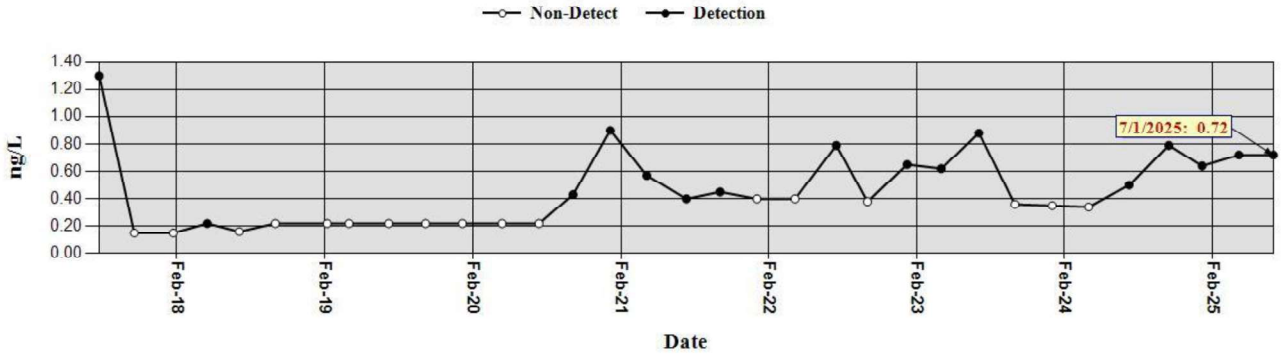
Analysis: NDMA_LL



Appendix F
Summary of Source Area Investigations

Appendix F Summary of Groundwater Monitoring Projects and Source Area Investigations

1.0 Groundwater Monitoring Well Abandonment, Installation, and Reconfiguration

1.1 Well Abandonment and Replacement

There was no fieldwork related to well abandonment or replacement projects in the third quarter of 2025.

1.1.1 Well BLM-28

NASA abandoned well BLM-28 in the first quarter of 2023 and provided the *Abandonment Report for NASA Well BLM-28* on March 14, 2023 (NASA, 2023f). NMED approved the report on February 6, 2024 (NMED, 2024d). Refer to Section 1.4.1 of this appendix for information related to replacement well 600B-001-GW.

1.1.2 Well BLM-30

NASA abandoned well BLM-30 in the first quarter of 2023. Because the well was initially scheduled for immediate replacement, abandonment information was to be included in the report detailing installation of the replacement well BLM-43. Refer to Section 1.4.2 of this appendix for information related to replacement well BLM-43.

1.1.3 Well NASA 9

In June 2020, NASA attempted to remove the dedicated low-flow bladder pump from well NASA 9 to extend the tubing and lower the pump intake due to declining water levels. During removal activities, the tubing bundle separated from the pump, and the pump then dropped into the 5-foot (ft) well sump. During attempts to recover the pump using special fishing tools, NASA discovered that the inside of the 2-inch stainless-steel casing was obstructed with small roots just above and below the static water level. Numerous attempts to lock onto the top of the pump with the fishing tool were unsuccessful and the bladder pump could not be retrieved. On November 15, 2021, NMED approved the 2021 Groundwater Monitoring Plan (GMP) with a modification that directed NASA to submit a work plan for abandoning and replacing well NASA 9 (NMED, 2021m). NASA prepared and submitted the *Work Plan for Abandonment of NASA WSTF NASA 9 and Replacement with Monitoring Well 400-001-GW* on April 29, 2022 (NASA, 2022g). NMED approved the work plan on October 31, 2022 (NMED, 2022n). NASA abandoned well NASA 9 in the first quarter of 2023. In conjunction with supplemental drilling in the 300 Area, NASA installed the replacement groundwater monitoring well 400-001-GW in June 2024. The well was developed and sampled for the groundwater contaminants identified in the current NMED-approved GMP. Information on the abandonment of well NASA 9 is included in the August 30, 2024 *Well Completion Report (WCR) for NASA White Sands Test Facility (WSTF) 400-001-GW* (NASA, 2024u). NMED continued reviewing the report in the third quarter or 2025.

1.2 Well Abandonment

NASA completed project planning for the abandonment of well PFI-1 as indicated in the November 20, 2024 *Plugging and Abandonment of NASA Well PFI-1* (NASA, 2024dd). NASA mobilized the subcontracted drilling company to WSTF on March 31, 2025 and initiated well plugging activities in accordance with the approved plan. The team performed plugging activities during the week, completing well abandonment and demobilizing of the drilling crew on April 5, 2025. The drilling subcontractor submitted the *Well Plugging Record for PFI-1* to the NMOSE on April 18, 2025. NASA provided the

Abandonment Report for NASA Well PFI-1 to the NMED Hazardous Waste and Ground Water Quality Bureaus on May 8, 2025 (NASA, 2025m). NMED continued reviewing the report in the third quarter of 2025.

1.3 Well Installation

1.3.1 New Well 600C-001-GW

NASA submitted the *Work Plan for Drilling and Installation of Monitoring Well 600C-001-GW at the NASA White Sands Test Facility (WSTF)* on August 31, 2021 (NASA, 2021s, pp1-2). NASA received NMED's October 14, 2021 fee assessment and invoice for review of the plan and provided the $2,000 review on October 28, 2021. NMED approved the work plan with modifications on April 25, 2022 (NMED, 2022e) and directed NASA to submit a well completion report no later than April 28, 2023. NASA submitted the *Request for Extension of Time for Submittal of the Completion Report for Installation of Monitoring Well 600C-001-GW* on April 12, 2023. NMED approved the request on May 10, 2023 (NMED, 2023i), extending the due date for submittal of the report to October 29, 2023. NASA submitted the *Request for Second Extension of Time for Submittal of the Completion Report for Monitoring Well 600C-001-GW* on September 15, 2023 (NASA, 2023y). NMED approved the request on October 4, 2023 (NMED, 2023q), extending the date for submittal of the well completion report to July 31, 2024. NASA performed no further planning in the third and fourth quarters of 2024. Table 1.1 of the *NASA White Sands Test Facility (WSTF) Corrective Action Projects; Proposal to Restructure Priorities and Schedule* (NASA, 2024hh; Enclosure 1, page 4) provided specific information related to NASA's expected schedule for replacement well 600C-001-GW. NMED directed NASA to submit a request for extension of time for submittal of the well completion report (NMED, 2025a). NASA submitted the *Request to Indefinitely Defer Submittal of the Completion Report for Monitoring Well 600C-001-GW* on April 29, 2025 (NASA, 2025l). NMED approved the request on July 17, 2025 (NMED, 2025i).

1.3.2 New Wells 600C-003-GW and 600C-004-GW

NASA submitted the *NASA WSTF Work Plan for Drilling and Installation of Monitoring Wells 600C-003-GW and 600C-004-GW* on April 27, 2023 (NASA, 2023j). NASA received NMED's May 11, 2023 *Fee Assessment Work Plan for Abandonment of NASA WSTF Well BLM-1-435 and Replacement with Monitoring Well 600C-003-GW* and provided the $2,000 review fee on June 26, 2023. NASA received NMED's May 11, 2023 *Fee Assessment Drilling Work Plan for Proposed NASA WSTF Well 600C-004-GW* and provided the $2,000 review fee on June 26, 2023. NMED approved the work plan for well 600C-003-GW with modifications on November 27, 2023 (NMED, 2023x). NMED directed NASA to address two comments and submit a revised work plan no later than January 31, 2024 and the well completion report no later than December 31, 2024. NASA submitted the *Response to Approval with Modifications of the NASA WSTF Work Plan for Abandonment of NASA WSTF Well BLM-1-435 and Replacement with Monitoring Well 600C-003-GW* on January 30, 2024 (NASA, 2024a). NMED approved the work plan for well 600C-004-GW on November 27, 2023 (NMED, 2023x) and directed NASA to provide a well completion report no later than November 30, 2024. NASA performed no further planning in the fourth quarter of 2024. NASA recommended an alternate schedule for completion of the wells in Table 1.1 of the *NASA White Sands Test Facility (WSTF) Corrective Action Projects; Proposal to Restructure Priorities and Schedule* (NASA, 2024hh; Enclosure 1, pp 4-5). NMED directed NASA to submit requests for extension of time for submittal of the well completion reports (NMED, 2025a). NASA submitted the *Request for Extension of Time for Submittal of Well Completion Report for Monitoring Well 600C-003-GW* and the *Request for Extension of Time for Submittal of Well Completion Report for Monitoring Well 600C-004-GW* on April 29, 2025 (NASA, 2025j; 2025l). NMED approved the requests on July 2, 2025, extending the due date for submittal of the 600C-003-GW and 600C-004-GW

well completion reports to December 1, 2027 and February 27, 2026, respectively (NMED, 2025c; 2025d). NASA began preliminary planning for installation of these wells in the third quarter of 2025.

1.4 Westbay Well Reconfiguration

Prior to calendar year 2020, NASA had reconfigured two Westbay wells (JP-3 and WW-2) to dual-zone dedicated low-flow bladder pumps and seven Westbay wells (BLM-32, JER-1, JER-2, ST-6, ST-7, WW-4, and WW-5) to multiport Water FLUTe sampling systems.

1.4.1 BLM-28/600B-001-GW

NASA submitted the *Well Reconfiguration Report for Well BLM-28 and Notice of Intent to Plug and Abandon* on May 4, 2020 (NASA, 2020f). On November 19, 2020, NMED provided requirements for abandonment and replacement of the well (NMED, 2020k). The requirements were that after complete evaluation of all available data and information, NASA would then either submit a work plan for a replacement monitoring well or formally notify NMED that BLM-28 will not be replaced no later than January 31, 2022.

Following NMED's direction from the November 19, 2020 response for reconfiguring BLM-28, NASA submitted a work plan for abandonment of well BLM-28 on April 29, 2021 (NASA, 2021f). NASA then determined that a replacement well is necessary and developed and submitted the *NASA WSTF Work Plan for Drilling and Installation of Monitoring Well 600B-001-GW* on August 31, 2021 (NASA, 2021r, p1). NMED approved the work plan with modifications on April 25, 2022 (NMED, 2022g). NASA abandoned well BLM-28 in the first quarter of 2023 and submitted the *Abandonment Report for NASA Well BLM-28* on March 14, 2023 (NASA, 2023f). NASA submitted the *Fee Assessment for Well BLM-28 Abandonment Report (NMED Invoice Number HWB-NASA-23-004)* on May 11, 2023. NMED approved the report on February 6, 2024 (NMED, 2024e). NASA proposed an updated schedule for well installation in Table 1.1 of the *NASA White Sands Test Facility (WSTF) Corrective Action Projects; Proposal to Restructure Priorities and Schedule* (NASA, 2024hh; Enclosure 1, page 5). NMED directed NASA to submit a request for extension of time for submittal of the well completion report (NMED, 2025a). NASA submitted the *Request to Indefinitely Defer Submittal of the Completion Report for Monitoring Well 600B-001-GW* on April 29, 2025 (NASA, 2025k). NMED approved the request on July 17, 2025 (NMED, 2025h).

1.4.2 BLM-30/BLM-43

On November 5, 2020, NMED issued an approval with modifications (NMED, 2020i) of NASA's plan to P&A well BLM-30 and replace it with new well BLM-43. NMED directed NASA to perform geophysical logging and to provide a well completion report for BLM-43 no later than November 30, 2021. NASA submitted the *Response to Approval with Modifications Work Plan for Abandonment of NASA WSTF Well BLM-30 and Replacement with Monitoring Well BLM-43* on February 3, 2021 (NASA, 2021a) and corresponded with the New Mexico Office of the State Engineer (NASA, 2021d) on the plugging plan for well BLM-30 and application for a permit to drill well BLM-43 on March 15, 2021. On September 28, 2021, NASA submitted the *Request for Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43* (NASA, 2021v). NMED approved the request on October 27, 2021, which extended the due date for submittal of the report to November 30, 2022 (NMED, 2021l). NASA submitted the *Request for Second Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43* on April 26, 2022 (NASA, 2022e). NMED approved the request on June 6, 2022 (NMED, 2022g), extending the due date for submittal of the well completion report to April 28, 2023. NASA abandoned well BLM-30 in the first quarter of 2023 and

continued planning the installation of replacement well BLM-43. Information on the abandonment of well BLM-30 will be included in the well completion report for well BLM-43. NASA submitted the *Request for Third Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43* (NASA, 2023h) on April 12, 2023l NMED approved the request on May 10, 2023 (NMED, 2023k), extending the due date for submittal of the well completion report to October 29, 2023. NASA submitted the *Request for Fourth Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43* on September 15, 2023 (NASA, 2023x). NMED approved the request on October 4, 2023 (NMED, 2023p), extending the date for submittal of the completion report to July 31, 2024. Table 1.1 of the *NASA White Sands Test Facility (WSTF) Corrective Action Projects; Proposal to Restructure Priorities and Schedule* (NASA, 2024hh; Enclosure 1, page 5) provided NASA's recommendation for an alternate installation schedule. NMED directed NASA to submit a request for extension of time for submittal of the well completion report (NMED, 2025a). NASA submitted the Request for *Fifth Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43* on April 29, 2025 (NASA, 2025f). NMED **conditionally** approved the request on July 2, 2025, extending the due date for submittal of the well completion report to December 1, 2028 (NMED, 2025g). Additional information relative to the conditional nature of this approval is expected in an upcoming partnering meeting with NASA and NMED.

1.4.3 BW-4

NASA determined that well BW-4 could be reconfigured for continued use and submitted a well reconfiguration work plan for well BW-4 on June 29, 2021 (NASA, 2021k, p5). NMED approved the work plan on January 18, 2022 (NMED, 2022a) with modifications and direction to submit a well reconfiguration report no later than March 30, 2023 and a revised work plan no later than March 11, 2022. NASA submitted the *Response to Approval with Modifications of NASA WSTF Well Reconfiguration Work Plan for Well BW-4* on March 8, 2022 (NASA, 2022c). NASA abandoned the lower portion of the borehole in January 2023 and continued planning for final reconfiguration of the well (sampling system acquisition and installation). NASA submitted the *Reconfiguration Report for NASA Well BW-4* on March 21, 2023 (NASA, 2023g). NASA received NMED's April 6, 2023 fee assessment and invoice for review of the report and provided the $2,000 review fee on May 11, 2023 (NASA, 2023l). NMED disapproved the report on February 6, 2024 (NMED, 2024e) and directed NASA to address an NMED comment and submit a revised report no later than July 31, 2024. To provide additional time for required fieldwork at this well, NASA submitted the *Request for Extension of Time for Submittal of NASA White Sands Test Facility (WSTF) Response to the Disapproval of Reconfiguration Report for Well BW-4* (NASA, 2024l) on July 22, 2024. NMED approved the request on July 31, 2024, extending the due date for submittal of the revised report to November 30, 2024 (NMED, 2024i). NASA performed additional fieldwork at the well to address NMED comments and submitted the *Response to Disapproval of Reconfiguration Report for NASA Well BW*-4 on November 21, 2024 (NASA, 2024ee). NMED continued reviewing this submittal in the third quarter of 2025.

1.4.4 Data Representativeness and Westbay Well Reconfiguration Plan

The FLUTe Data Representativeness investigation took the form of isolation and serial sampling of four zones of well WW-4 with the FLUTe liner removed. NASA completed the groundwater data representativeness evaluation performed at groundwater monitoring well WW-4 and submitted the *Groundwater Data Representativeness Phase 1: Water FLUTe Well Evaluation Abbreviated Investigation Report* to NMED on February 27, 2020 (NASA, 2020c, pp2-13). NMED reviewed the *Groundwater Data Representativeness Phase 1: Water FLUTe Well Evaluation Abbreviated Investigation Report* (2/27/2020) and on June 3, 2021 issued an Approval with Modifications (NMED, 2021i). This approval

required a change to the investigation report indicating a need for an expanded investigation, and a subsequent work plan for the investigation. NASA submitted a response to the approval with modifications on August 17, 2021 (NASA, 2021q, p14). NASA followed that with submittal of the *Abbreviated Investigation Work Plan for Groundwater Data Representativeness, Phase 2: FLUTe Well Evaluation* on November 2, 2021 (NASA, 2021w). NMED approved the work plan on August 8, 2022 (NMED, 2022k). NASA performed the required fieldwork and submitted the *Groundwater Data Representativeness Phase 2: Water FLUTe Well Evaluation Abbreviated Investigation Report* on April 27, 2023 (NASA, 2023i). NASA received NMED's May 1, 2023 fee assessment and invoice for review of the report and provided the $10,000 review fee on June 26, 2023. NMED disapproved the report on February 6, 2024 (NMED, 2024e) and directed NASA to address eight comments and submit a revised report no later than July 31, 2024. NASA submitted the *Groundwater Data Representativeness Phase 2 Disapproval Response: Water FLUTe Well Evaluation Abbreviated Investigation Report* on July 31, 2024 (NASA, 2024o).

The Westbay Well Reconfiguration Plan required time extensions to allow NASA to evaluate data from FLUTe sampling systems currently in place at WSTF, in the form of data from Westbay wells converted to FLUTe, and from laboratory testing of the FLUTe sample components. Beginning in 2020, NMED approved an extension request to submit the well reconfiguration work plan no later than December 31, 2020 (NMED, 2020a). On November 30, 2020, NASA submitted a *Request for Fourth Extension of Time for Well Reconfiguration Work Plan* (NASA, 2020p). NMED approved the fourth extension request for submittal of the well reconfiguration work plan for wells PL-6, PL-7, PL-8, PL-10, ST-5, and WW-3 on January 25, 2021 (NMED, 2021a). NASA submitted the *Westbay Well Reconfiguration Work Plan for Wells PL-7, PL-8, PL-10, ST-5, and WW-3* to NMED on April 29, 2021 (NASA, 2021e, pp2-4). NMED disapproved the work plan on February 6, 2024 (NMED, 2024e) and directed NASA to address an NMED comment and submit a revised work plan no later than July 31, 2024. NASA identified an opportunity to improve the revised work plan through additional technical review and submitted the *NASA WSTF Westbay Well Reconfiguration Work Plan for Wells PL-7, PL-8, PL-10, ST-5, and WW-3 Extension Request* on August 2, 2024 (NASA, 2024p). NASA subsequently submitted the *Response to Disapproval of the NASA WSTF Westbay Well Reconfiguration Work Plan for Wells PL-7, PL-8, PL-10, ST-5, and WW-3* on August 30, 2024 (NASA, 2024t). NMED continued review of the revised work plan during the third quarter of 2025.

2.0 Source Area Investigations

2.1 200 Area

At the start of 2020, NMED approved a request for extension on January 16, 2020 for NASA to respond to 12 comments and submit a revised investigation report by February 3, 2020 (NMED, 2020b). NASA developed the required responses to the 12 comments in NMED's June 5, *2019 Disapproval 200 Area and 600 Area Vapor Intrusion Assessment Report* (NMED, 2019b) and submitted the *NMED Disapproval Response for 200 Area and 600 Area Vapor Intrusion Assessment Report* on January 30, 2020 (NASA, 2020b). NMED disapproved the report on September 20, 2022 and directed NASA to address three multipart comments and submit a revised report no later than April 28, 2023 (NMED, 2022m). NASA addressed NMED's three multipart comments in their disapproval and submitted the *Response to Second Disapproval 200 and 600 Area Vapor Intrusion Assessment Report* on April 27, 2023 (NASA, 2023k). NMED approved the revised report with modifications on April 18, 2024 (NMED, 2024g). NMED directed NASA to address four comments and submit a revised report no later than July 31, 2024. NASA submitted the *Response to Approval with Modifications for the 200 and 600 Area Vapor Intrusion Assessment Report (VIAR)* on July 19, 2024 (NASA, 2024j). NMED's April 18, 2024 approval also included direction for NASA to prepare a follow-on soil vapor monitoring plan for the 200 and 600 Areas and provide it for NMED review no later than November 27, 2024. NASA submitted the follow-on *200*

and 600 Area Vapor Monitoring and Intrusion Assessment (VMIA) Abbreviated Investigation Work Plan (AIWP) on November 26, 2024 (NASA, 2024ff). The plan remained in NMED review during the third quarter of 2025.

2.2 300 Area

Work in the 300 Area is primarily related to investigation and closure of the adjacent 400 Area. Prior to 2020, NASA's May 30, 2019 *300 Area Supplemental Abbreviated Drilling Work Plan* (NASA, 2019e) was the first document submitted. NMED disapproved the work plan on March 19, 2021 (NMED, 2021e) and directed NASA to address four comments and submit a revised work plan no later than July 30, 2021. NASA submitted the *Response to Disapproval of 300 Area Supplemental Abbreviated Drilling Work Plan* on July 14, 2021 (NASA, 2021m). NMED approved the revised work plan on May 2, 2023 (NMED, 2023h). During the third quarter of 2023, NASA identified an opportunity to acquire additional subsurface data during the planned investigation and submitted the *Expanded Scope Proposed for the 300 Area Supplemental Abbreviated Drilling Work Plan (ADWP)* on September 11, 2023 (NASA, 2023w). NMED approved the expanded scope on November 1, 2023 (NMED, 2023t).

NASA completed project planning for the installation of additional groundwater monitoring wells in the 300 Area Closures in accordance with the NMED-approved drilling work plan and initiated fieldwork in April 2024. In addition to the initial project scope, NASA planned to perform an NMED-approved matrix diffusion study at two boreholes in conjunction with heat pulse flow meter and optical televiewer logging.

NASA and the responsible drilling and matrix diffusion subcontractors began investigation fieldwork on April 8, 2024. NASA completed drilling, soil sampling, CORE DFN (matrix diffusion) sampling, and geophysical logging at the borehole for well 300-002-GSV. NASA installed the multiport soil vapor and groundwater monitoring (MSVGM) well 300-002-GSV in the borehole by May 7, 2024 in accordance with the approved plan. Following completion of well 300-002-GSV, equipment was mobilized to the second 300 Area drilling location and NASA performed drilling, soil sampling, CORE DFN sampling, and geophysical logging at the borehole for well 300-001-GSV. NASA installed MSVGM well 300-001-GSV by June 4, 2024 in accordance with the approved plan. This completed drilling and well installation work in the 300 Area and equipment was mobilized to the 400 Area. NASA drilled and installed groundwater monitoring well 400-001-GW (required by NMED to replaced failed groundwater monitoring well NASA 9) by June 18, 2024. On June 25, 2024, the drilling subcontractor mobilized well development equipment and NASA completed development of groundwater monitoring wells 300-001-GSV, 300-002-GSV, and 400-001-GW by June 27, 2024. In the third quarter 2024, NASA performed sampling at three new monitoring wells in the 300 and 400 Areas. During the first quarter of 2025, NMED continued reviewing the *Well Completion Report (WCR) for NASA White Sands Test Facility (WSTF) 300-001-GSV* (NASA, 2024x) and the *Well Completion Report (WCR) for NASA White Sands Test Facility (WSTF) 300-002-GSV* (NASA, 2024y), which NASA submitted on October 3, 2024. Soil vapor samples from the initial monitoring event performed at wells 300-001-GSV and 300-002-GSV on December 12, 2024 exceeded 30-day holding times at the contracted analytical laboratory due to rolling power outages in California in January 2025. The wells were resampled on February 19, 2025 to provide soil vapor analytical data for follow-on reports. NASA submitted the *Supplemental Soil Vapor Analytical Data (Appendix G) for the 300-001-GSV Well Completion Report (WCR)* and the *Supplemental Soil Vapor Analytical Data (Appendix G) for the 300-002-GSV Well Completion Report (WCR)* on April 7, 2025 (NASA, 2025d; 2025e). NMED continued reviewing the report during the third quarter of 2025.

2.3 400 Area

Prior to 2020, NASA's last submittal for the 400 Area was the December 30, 2019 400 *Area Closure Investigation Report* (NASA, 2019p; revised). NMED disapproved report on March 19, 2021 (NMED, 2021f) and directed NASA to address 17 comments and submit a revised report no later than

July 30, 2021. NASA submitted the *NASA WSTF 400 Area Closure Investigation Report – NMED Third Disapproval Response* on July 27, 2021 (NASA, 2021p, Response Table). NMED approved the third revision of the *NASA WSTF 400 Area Closure Investigation Report* with modifications on May 2, 2023 (NMED, 2023h). NASA addressed three NMED comments and submitted a revised report on July 11, 2023 (NASA, 2023t).

NASA also submitted the *400 Area Supplemental Groundwater and Soil Vapor Monitoring Plan* on May 29, 2019 (NASA, 2019c) and the related *300 Area Supplemental Abbreviated Drilling Work Plan* (NASA, 2019e) (see Section 2.2) for two additional multiport soil vapor and groundwater monitoring wells in the 300 Area. NMED disapproved the *400 Area Supplemental Groundwater and Soil Vapor Monitoring Plan* on March 15, 2021 (NMED, 2021d), and NMED directed NASA to address three comments and submit a revised monitoring plan no later than July 30, 2021. NASA submitted the *Response to Disapproval of 400 Area Supplemental Groundwater and Soil Vapor Monitoring Plan* on July 14, 2021 (NASA, 2021n, Response Table). NMED approved the revised *400 Area Supplemental Groundwater and Soil Vapor Monitoring Plan* with modifications on May 2, 2023 (NMED, 2023h). NASA addressed three NMED comments, prepared a revised monitoring plan, and submitted the *Response to Approval with Modifications 400 Area Supplemental Groundwater and Soil Vapor Monitoring Plan* on July 11, 2023 (NASA, 2023q).

NASA performed project planning to implement the NMED-approved *400 Area Supplemental Groundwater and Soil Vapor Monitoring Plan* (NASA, 2023q). Required sample containers and related materials were acquired in January 2024 and NASA performed groundwater and soil vapor sampling in accordance with the approved plan on February 26-28, 2024. All samples were shipped to the subcontracted analytical laboratories. NASA received groundwater and soil vapor analytical data and continued preparation of the quarterly monitoring report for submittal to NMED. Due to other project constraints, NASA submitted the *Request for Extension of Time for Submittal of NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – First Quarter 2024* on May 6, 2024 (NASA, 2024h). NMED approved the request on May 16, 2024, extending the due date for submittal of the report to July 30, 2024 (NMED, 2024h). Because of additional resource limitations, NASA submitted the *Request for Second Extension of Time for Submittal of NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – First Quarter 2024* on July 22, 2024 (NASA, 2024m). NMED approved the request on July 31, 2024, extending the due date for submittal of the report to August 30, 2024 (NMED, 2024j). NASA submitted the *NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – First Quarter 2024* on August 30, 2024 (NASA, 2024s) and subsequently submitted the *Resubmittal of NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – First Quarter 2024* on September 5, 2024 to resolve discrepancies between figures and tables in the report (NASA, 2024v). NMED continued reviewing the report in the third quarter of 2025.

NASA performed groundwater and soil vapor sampling for the second quarter of 2024 on May 28-30, 2024. Groundwater and soil vapor samples were shipped to the subcontracted analytical laboratories. NASA received and processed chemical analytical data from groundwater and soil vapor samples during the second and third quarters of 2024 and prepared the *NASA WSTF 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – Second Quarter 2024*, which was submitted to NMED on November 26, 2024 (NASA, 2024gg). NMED continued reviewing the report in the third quarter of 2025.

NASA performed groundwater and soil vapor sampling for the third quarter of 2024 on August 26-28, 2024 and shipped the samples to the subcontracted analytical laboratories. NASA received chemical analytical data for these samples during the fourth quarter of 2024 and processed analytical data for inclusion in the *400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – Third Quarter 2024*, which NASA provided for NMED review on February 25, 2025 (NASA, 2025b). NMED continued reviewing the report in the third quarter of 2025.

NASA performed groundwater and soil vapor sampling for the fourth quarter of 2024 on December 9-12, 2024 and shipped the samples to the subcontracted analytical laboratories. NASA received chemical analytical data for these samples during the first quarter of 2025. Data were verified and validated in accordance with standard WSTF procedures and used to develop the *400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – Fourth Quarter 2024*, which NASA submitted to NMED on May 29, 2025 (NASA, 2025n). NMED continued reviewing the report in the third quarter of 2025.

2.4 600 Area Perched Groundwater Investigations

2.4.1 600 Area Perched Groundwater Extraction

NASA initiated extraction of perched groundwater from monitoring well 600-G-138 on April 19, 2013 in accordance with the NMED-approved *600 Area Perched Groundwater Extraction Pilot Test Work Plan* (NASA, 2012). NASA has continued to extract groundwater in accordance with the plan and submit updates in the quarterly Environmental Activity Reports and annual status reports. During the third quarter of 2025, NASA extracted 313 gallons of contaminated groundwater from well 600-G-138, bringing the total to 23,934 gallons removed since the project began. During the first quarter of 2025, NASA identified an opportunity to improve efficiency in field operations related to perched groundwater extraction and submitted the *PGEPT 2025 Transition to TMRP Reporting Proposal* for NMED review on February 19, 2025 (NASA, 2025a). The proposal recommends transitioning future 600 Area perched groundwater extraction reports into planned reports for Phase 2 of the pilot test for the Targeted Mobile Remediation Process, when it resumes. NMED is reviewing the proposal. On April 28, 2025, NASA submitted the *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report – Project Year 12* (NASA, 2025e). NMED continued reviewing the report in the third quarter of 2025.

2.4.2 600 Area Perched Groundwater Investigation

At the start of 2020, a 600 Area Perched Groundwater investigation and report was scheduled in accordance with the *Abbreviated Investigation Work Plan for 600 Area Perched Groundwater* (NASA, 2016b). This work plan was subsequently changed per NASA's August 7, 2019 *Request to Remove Electrical Resistivity Component of the 600 Area Perched Groundwater Geophysical Survey based on Geophysical Subcontractor Input Received during the Procurement Process* (NASA, 2019i) and NMED's August 23, 2019 approval (NMED, 2019e).

In 2019, NASA performed a seismic reflection and reflection survey in accordance with the AIWP and work scope modification (NASA, 2019n). NASA provided the *Synopsis of the Findings of the 600 Area Closure Geophysical Seismic Refraction Tomography and Reflection Surveys with Revised Soil Boring Locations Submitted for NMED Approval* on December 19, 2019 (NASA, 2019o). Because of an indeterminate review period for that status report and the start of drilling dependent on approval of the boring locations recommended therein, NASA had submitted a *Request for Extension of Time for Submittal of the 600 Area Perched Groundwater Investigation Report* on March 24, 2020 (NASA, 2020d). NMED approved the extension on July 1, 2020 to 150 days after NMED provides comments (NMED, 2020e).

On December 22, 2020, NMED issued its *Approval with Modifications 600 Area Closure Geophysical Survey Status Report* (NMED, 2020l) and established a due date for the 600 Area Perched Groundwater Investigation Report of December 31, 2021. On May 18, 2021, NASA provided the *Response to NMED Approval with Modifications for the 600 Area Closure Geophysical Survey Status Report – Comment 2 (Further Investigation)* (NASA, 2021g) in which NASA proposed a different approach for collection of geophysical data up- and down-gradient of the 600 Area Closure. The accuracy of the 600 Area geophysical survey would be assessed by comparing the actual bedrock depths from six NMED-approved

perched groundwater investigation borings to the predicted depths from the geophysical survey before expanding the geophysical survey. NMED concurred with the approach on July 6, 2021 (NMED, 2021j). During the remainder of 2021, NASA performed planning and procurement activities in preparation for investigation fieldwork, which was initiated in January 2022.

NASA suspended extraction of perched groundwater from monitoring well 600-G-138 for much of January 2022 to reduce the impact on the perched groundwater aquifer and maximize the potential of locating perched groundwater during the perched groundwater investigation. NASA completed soil boring installation field activities for the perched groundwater investigation in accordance with NMED's *Approval with Modifications 600 Area Closure Geophysical Survey Status Report* (NMED, 2020l). The off-site subcontract drilling company installed all six soil borings between January 4 and January 27, 2022 in the vicinity of the 600 Area Closure to depths of approximately 145 to 180 feet bgs. The soil borings were located in potential bedrock lows identified using the geophysical seismic survey performed previously as part of the investigation. The soil borings transcended the alluvial overburden into the top of the andesite bedrock in search of perched groundwater on the alluvial-bedrock interface. NASA identified perched groundwater at one location adjacent to the north corner of the Closure and installed groundwater well 600A-001-GW. NASA also installed a conventional monitoring well 600A-002-GW downgradient to the west of the Closure in andesite bedrock. This boring encountered the deeper fractured bedrock aquifer at the projected total depth of the soil boring and was subsequently drilled deeper than the planned depth to facilitate installation of the groundwater monitoring well. The remaining four soil borings did not encounter perched groundwater and were plugged and abandoned in accordance with the NMED-approved work plan. NASA performed colloidal borescope evaluations at the two new wells 600A-001-GW and 600A-002-GW, existing perched groundwater monitoring well 600-G-138, and 12 other conventional wells in the fractured bedrock aquifer with significant locations relative to the evaluation of regional flow.

NASA developed new conventional monitoring wells 600A-001-GW and 600A-002-GW, and in May 2022, NASA performed initial sampling in accordance with the current NMED-approved Groundwater Monitoring Plan. NASA prepared and submitted the *Request for a "Contained-in" Determination for Contaminated Media Associated with the 600 Area Perched Groundwater Abbreviated Investigation Work Plan* on March 22, 2022 (NASA, 2022d). NMED approved the request and granted a "*no longer contained in determination*" on April 18, 2022 (NMED, 2022d). NASA prepared and submitted the *600 Area Perched Groundwater Investigation Report* on June 29, 2022 (NASA, 2022h) and provided the fee for review of the report on August 9, 2022 (NASA, 2022k). NASA shipped the soil cuttings generated from the drilling activities off-site on June 15, 2022 for disposal as solid waste. NASA suspended regularly scheduled sampling of wells 600A-001-GW and 600A-002-GW in December 2022 because of equipment failure. NASA obtained replacement sampling equipment in December 2022 for use in January 2023. Upon further evaluation, NASA determined that previous development of these wells using on-site equipment after colloidal borescope tests may have been inadequate. NASA acquired the services of an off-site subcontractor to perform additional development at these wells prior to sampling and scheduled development work for October 2023. The subcontractor performed some development work, but additional developing with site-specific equipment was required. During the first quarter of 2024, NASA obtained, configured, and tested well development equipment and initiated the additional development of wells 600A-001-GW and 600A-002-GW. NASA completed final development of the two wells and performed initial sampling in June 2024.

NMED approved the *600 Area Perched Groundwater Investigation Report* (June 29, 2022) with modifications on June 29, 2023 (NMED, 2023m). NMED directed NASA to address five comments and submit a revised report no later than August 31, 2023. NASA submitted the *Response to Approval with Modifications 600 Area Perched Groundwater Investigation Report* on August 30, 2023 (NASA, 2023v). In the Approval with Modifications, NMED also directed NASA to develop a work plan for additional

investigation of perched groundwater in the 600 Area and submit it for NMED review no later than November 30, 2023. NASA submitted the *600 Area Perched Groundwater Phase II Abbreviated Investigation Work Plan* on November 27, 2023 (NASA, 2023ee). NASA received NMED's January 10, 2024 fee assessment for review of the work plan (NMED, 2024b) and provided the $15,000 review fee on February 5, 2024 (NASA, 2024b). NMED approved the work plan on November 5, 2024 (NMED, 2024n). NASA recommended an alternate schedule for performing Phase 2 of 600 Area perched groundwater investigation in Table 2.1 of the *NASA White Sands Test Facility (WSTF) Corrective Action Projects; Proposal to Restructure Priorities and Schedule* (NASA, 2024hh; Enclosure 2, page 6). NMED directed NASA to submit a request for extension of time for submittal of the final investigation report (NMED, 2025a). NASA submitted the *Request for Extension of Time for Submittal of 600 Area Perched Groundwater Phase II Investigation Report* on April 29, 2025 (NASA, 2025h). On July 2, 2025, NMED approved the extension request, extending the due date for submittal of the Phase II investigation report to September 30, 2028 (NMED, 2025b).

Late in the first quarter of 2025, NASA began project planning for Phase 2a of the investigation. In April 2025, NASA completed Phase IIa project planning and mobilized the Groundwater Magnetic Resonance (GMR) survey subcontractor to WSTF on April 21, 2025. NASA completed the GMR survey in and around the 600 Area and also performed the colloidal borescope (flow vector) evaluation and perched groundwater aquifer testing in April 2025. Between April 28 and May 2, 2025, NASA performed aquifer testing comprising a pumping test at well 600-G-138 and monitoring at several nearby wells used as piezometers. NASA collected groundwater samples for inter-borehole contaminant analysis on May 5, 2025 and performed aquifer (slug) testing on individual perched groundwater monitoring wells between May 20 and 23, 2025. NASA received and evaluated all project data and then prepared and submitted the *NASA White Sands Test Facility (WSTF) 600 Area Perched Groundwater Phase IIa Status Report* on June 30, 2025 (NASA, 2025o). NMED continued reviewing the report in the third quarter of 2025.

2.5 SWMUs 2, 8, and 34 and Area of Concern (AOC) 51 (Wastewater Lagoons)

2.5.1 100 Area Lagoons

On May 29, 2019, NASA submitted the *NASA WSTF (White Sands Test Facility) 100 Area Wastewater Lagoons Closure (SWMU 2) Interim Status Report* (NASA, 2019d). NMED responded to that report on May 14, 2020 (NMED, 2020d) and informed NASA that comments would be incorporated into the SWMU 2 Investigation Report. NASA submitted the *NASA White Sands Test Facility (WSTF) 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report on* August 3, 2020 (NASA, 2020h). NMED disapproved the report on July 6, 2022 (NMED, 2022h) and directed NASA to provide a revised report no later than January 31, 2023.

After completing investigation fieldwork at the 200 Area lagoons in February 2023, NASA and the subcontracted drilling company moved drilling equipment to the 100 Area lagoons. In late February and March 2023, NASA completed the installation of all required soil borings at the 100 Area lagoons. The required soil samples were collected at each boring and submitted to the off-site laboratories for analysis. During the first quarter of 2023, NASA began reviewing chemical analytical data in preparation for revising the disapproved investigation reports. To provide sufficient time to complete data review and preparation of the revised investigation report, NASA submitted the *Request for Extension of Time for NASA White Sands Test Facility (WSTF) 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report Response to Disapproval* on January 18, 2023 (NASA, 2023a). NMED approved the request on May 23, 2023, extending the due date for submittal of the report to August 31, 2023 (NMED, 2023l). Because of unexpected project delays, NASA submitted the *Request for Third Extension of Time for NASA White Sands Test Facility (WSTF) 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report Response to Disapproval* on August 3, 2023 (NASA, 2023r). Additional delays resulted in

NASA's submittal of the *Request for Fourth Extension of Time for NASA White Sands Test Facility (WSTF) 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report Response to Disapproval* on October 11, 2023 (NASA, 2023z). NMED approved the request on November 1, 2023 (NMED, 2023u), extending the due date for submittal of the report to March 24, 2024. NASA submitted the *Request for Fifth Extension of Time for NASA White Sands Test Facility (WSTF) 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report Response to Disapproval* on February 28, 2024 (NASA, 2024d). NMED approved the request on March 22, 2024 (NMED, 2024f), extending the due date for submittal of the report to August 30, 2024. NASA completed revising the report and performed the required health risk assessment during the third quarter of 2024. NASA submitted the *Response to Disapproval of the NASA WSTF 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report* on August 29, 2024 (NASA, 2024r). NMED continued reviewing the revised report during the third quarter of 2025.

2.5.2 200 Area Lagoons

NASA submitted the *NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report* to NMED on November 25, 2019 (NASA, 2019m). NMED disapproved the report on June 6, 2022 (NMED, 2022h) and directed NASA to provide a revised report no later than December 30, 2022. NASA prepared and submitted the *Request for Extension of Time for NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report (IR) Response to Disapproval* on December 8, 2022 (NASA, 2022m), requesting the due date for submittal of the revised report be extended to March 30, 2023.

In February 2023, NASA and the subcontracted drilling company completed the nine soil borings at the 200 Area lagoons then decontaminated tooling and moved drilling equipment to the 100 Area lagoons. All samples were submitted to the off-site laboratories for analysis. During the first quarter of 2023, NASA began reviewing chemical analytical data in preparation for revising the disapproved investigation report. To provide sufficient time to complete data review and preparation of the revised investigation report, NASA submitted the *Request for Second Extension of Time for NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report (IR) Response to Disapproval* on March 8, 2023 (NASA, 2023e). NMED approved the request on March 30, 2023, extending the due date for submittal of the report to August 31, 2023 (NMED, 2023e). Because of unexpected project delays, NASA submitted the *Request for Third Extension of Time for NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report (IR) Response to Disapproval* on August 24, 2023 (NASA, 2023t). NMED approved the request on September 14, 2023 (NMED, 2023o), extending the due date for submittal of the revised report to December 5, 2023. Additional delays resulted in NASA's submittal of the *Request for Fourth Extension of Time for NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report (IR) Response to Disapproval* on November 22, 2023 (NASA, 2023dd). NMED approved the request on January 9, 2024 (NMED, 2024a), extending the due date for submittal of the report to April 30, 2024. NASA revised the investigation report for the 200 wastewater lagoons (SWMU 8) and submitted the *Response to Disapproval of the NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report* on April 30, 2024 (NASA, 2024g). NASA subsequently submitted the *Quality Assurance Reports for the Response to Disapproval of the NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report* on May 29, 2024 (NASA, 2024i). NMED continued reviewing these reports during the third quarter of 2025.

2.5.3 600 Area Lagoons

NASA submitted the *NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report* to NMED on November 26, 2019 (NASA, 20190). NMED disapproved the report on June 16, 2022 (NMED, 2022i). NASA prepared and submitted the *Request for Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response to Disapproval* on December 8, 2022 (NASA, 2022n), requesting the due date for submittal of the revised report be extended to March 30, 2023.

In January 2023, NASA mobilized the subcontracted drilling company to WSTF and initiated the installation of soil borings and monitoring wells in accordance with the plan. NASA completed soil boring 600L-SB-28 at a location topographically and hydrogeologically downgradient from the 600 Area wastewater lagoons. NASA collected the required soil samples from the boring, which intercepted perched groundwater at approximately 151 ft below ground surface. NASA installed a groundwater monitoring well in the borehole and monitored groundwater as it recovered to approximately 145 ft below ground surface. In January and February 2023, NASA completed the installation and sampling of all required soil borings within the 600 Area wastewater lagoon. All samples were submitted to the off-site laboratories for analysis. During the first quarter of 2023, NASA began reviewing chemical analytical data in preparation for revising the disapproved investigation reports. To provide sufficient time to complete data review and preparation of the revised investigation report, NASA submitted the *Request for Second Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response to Disapproval* on March 8, 2023 (NASA, 2023e). NMED approved the request on March 30, 2023, extending the due date for submittal of the report to August 31, 2023 (NMED, 2023f). Because of unexpected project delays, NASA submitted the *Request for Third Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response to Disapproval* on August 3, 2023 (NASA, 2023s). NMED approved the request on August 17, 2023 (NMED, 2023n), extending the due date for submittal of the revised report to October 17, 2023. Additional delays resulted in NASA's submittal of the *Request for Fourth Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response* to Disapproval on October 11, 2023 (NASA, 2023aa). NMED approved the request on October 25, 2023, extending the due date for submittal of the report to February 22, 2024 (NMED, 2023r). NASA submitted the *Response to Disapproval of 600 Area Lagoons (SWMU 34) IR and Risk Assessment* on February 21, 2024 (NASA, 2024c). NMED disapproved the revised report on December 9, 2024 (NMED, 2024o). NMED directed NASA to address 18 comprehensive comments and provide a revised report no later than March 31, 2025. NASA submitted the *Response to Second Disapproval of the NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report* on March 28, 2025 (NASA, 2025c). NMED continued reviewing these reports during the third quarter of 2025.

2.5.4 STGT Lagoons

In February 2020, NASA and a subcontracted drilling company completed installation of the five remaining soil borings at the Second Tracking and Data Relay Satellite Ground Terminal (STGT) Wastewater Lagoons. NASA collected and managed samples of subsurface soil and shipped them to the off-site laboratories for analysis. This activity completed soil sampling described in the NMED-approved work plan. NASA conducted soil vapor sampling at the STGT Wastewater Lagoons in March 2020. This completed all investigation fieldwork described in the NMED-approved work plan. *NASA White Sands Test Facility (WSTF) STGT Wastewater Lagoons Closure (AOC 51) Investigation Report* on October 13, 2020 (NASA, 2020m, p42). NMED disapproved the report on July 25, 2022 (NMED, 2022j) and directed NASA to submit a revised report no later than February 28, 2023.

After completing the drilling and soil sampling at the 100 Area lagoons in early March 2022, NASA and the subcontracted drilling company decontaminated all downhole drilling tools, moved operations to the STGT Area lagoons, and completed the seven soil borings for these lagoons. All drilling equipment and tooling were decontaminated, and the subcontracted drilling company demobilized from WSTF on March 23, 2023. The required soil samples were collected at each boring and submitted to the off-site laboratories for analysis. During the first quarter of 2023, NASA began reviewing chemical analytical data in preparation for revising the disapproved investigation reports. To provide sufficient time to complete data review and preparation of the revised investigation report, NASA submitted the *Request for Extension of Time for NASA White Sands Test Facility (WSTF) Second Tracking and Data Relay Satellite Ground Terminal (STGT) Wastewater Lagoons Closure (Area of Concern [AOC] 51) Investigation Report Response to Disapproval* on January 18, 2023 (NASA, 2023b). NMED approved the request on May 10, 2023, extending the due date for submittal of the report to August 31, 2023 (NMED, 2023j). Because of unexpected project delays, NASA submitted the *Request for Third Extension of Time for NASA White Sands Test Facility (WSTF) Second Tracking and Data Relay Satellite Ground Terminal (STGT) Wastewater Lagoons Closure (Area of Concern [AOC] 51) Investigation Report Response to Disapproval* on August 24, 2023 (NASA, 2023u). NMED approved the request on September 14, 2023 (NMED, 2023o), extending the due date for submittal of the revised report to November 21, 2023. NASA submitted the *Response to Disapproval of NASA White Sands Test Facility (WSTF) STGT Wastewater Lagoons Closure (AOC 51) Investigation Report* on November 20, 2023 (NASA, 2023cc). NMED approved the report with modifications on September 3, 2024 (NMED, 2024m). NMED directed NASA to address five comments and submit a revised report no later than November 21, 2024. NASA submitted the *Response to Approval w/Mods for STGT Wastewater Lagoons (AOC 51) IR* on September 9, 2024 (NASA, 2024w). As indicated in the NMED-approved investigation report, no further investigation work is required at AOC 51. The unit is expected to be included in an upcoming petition for corrective action complete status determination.

2.6 SWMU 10 (200 Area Hazardous Waste Transmission Lines)

NASA provided the *Response to Disapproval of the NASA WSTF 200 Area HWTL (SWMU 10) Investigation Report* to NMED on July 30, 2019 (NASA, 2019h). On November 16, 2020, NMED disapproved the revised report (NMED, 2020j) and directed NASA to address 16 comments and perform resampling along the hazardous waste transmission lines (HWTL) by August 30, 2021. On May 19, 2021, NASA requested that the due date for submittal of a revised report be extended from August 30, 2021 to November 30, 2021 (NASA, 2021i). NMED approved this extension on July 7, 2021 (NMED, 2021k). NASA completed the collection of replacement soil samples for the analysis of volatile organic compounds along the HWTL on August 31, 2021. NASA installed 12 soil vapor implants at the sampling locations nearest the 200 Area occupied buildings and collected soil vapor samples using 1-liter SUMMA canisters on September 23, 2021. Due to drilling and laboratory contractor backlogs related to the COVID pandemic, on September 14, 2021, NASA requested a second extension to submit the revised IR by January 31, 2022 (NASA, 2021t). NMED approved the request on January 25, 2022 (NMED, 2022b), extending the due date for submittal of the report to February 28, 2022. On November 1, 2023, NMED approved the *Response* to *Second Disapproval of NASA WSTF 200 Area HWTL (SWMU 10) Investigation Report and Risk Assessment Report* (March 4, 2022) (NASA, 2022a) and the *Response to Second Disapproval of NASA WSTF 200 Area HWTL (SWMU 10) IR Risk Assessment Report* (March 4, 2022) (NASA, 2022b) with modifications. NMED directed NASA to address 15 comments and submit a revised report no later than December 31, 2023 (NMED, 2023v). NASA submitted the *Response to Approval with Modifications of the NASA WSTF 200 Area HWTL (SWMU 10) Investigation Report and Risk Assessment Report* on December 27, 2023 (NASA, 2023gg). As indicated in that submittal, no further investigation work is required at SWMU 10. The unit is expected to be included in an upcoming petition for corrective action complete status determination.

2.7 SWMU 16 (600 Area Bureau of Land Management [BLM] Off-Site Soil Pile)

Preliminary investigation fieldwork was performed at the 600 Area BLM Off-Site Soil Pile in November and December 2015. NASA submitted the *NASA WSTF SWMU 16 (600 Area BLM Off-Site Soil Pile) Investigation Report* on February 25, 2016 (NASA, 2016a). NMED disapproved three revisions of the report prior to 2020. NMED provided the *Approval with Modifications 600 Area Bureau of Land Management Off-Site Soil Pile (SWMU 16) Revised Investigation Report* on May 6, 2021 (NMED, 2021h). The Approval with Modifications required submittal of an Accelerated Corrective Measures work plan no later than September 30, 2021. NASA submitted the *Response to Approval with Modifications of NASA WSTF SWMU 16 (600 Area BLM Off-Site Soil Pile) Investigation Report* on July 20, 2021 (NASA, 2021o) and then submitted the *Accelerated Corrective Measures Work Plan for the NASA WSTF SWMU 16 (600 Area BLM Off-Site Soil Pile)* on September 28, 2021 (NASA, 2021u, p9). NMED approved the *Accelerated Corrective Measures Work Plan for the NASA WSTF SWMU 16 (600 Area BLM Off-Site Soil Pile)* with modifications on February 10, 2023 (NMED, 2023b). NMED directed NASA to address two NMED comments and submit a revised work plan no later than May 31, 2023. NMED also directed NASA to perform the investigation and submit an investigation work plan no later than July 31, 2024. NASA submitted the *Response to Approval with Modifications of the Accelerated Corrective Measures Work Plan for the NASA WSTF SWMU 16 (600 Area BLM Off-Site Soil Pile)* on May 22, 2023 (NASA, 2023n).

NASA finalized project planning and procurement activities in early January 2024 and mobilized the off-site excavation subcontractor to WSTF on January 15, 2024. NASA and the responsible subcontractors completed excavation and removal of potentially contaminated sludge and soil in accordance with the NMED-approved *Accelerated Corrective Measures Work Plan for the NASA WSTF SWMU 16 (600 Area BLM Off-Site Soil Pile)* (NASA, 2023n) on January 25, 2024. During the project, NASA excavated and disposed of 1,140 yd^3 (1,081 tons) of soil, including the over-excavation of 6" of native soil from beneath the sludge pile to ensure complete contaminant removal. The sludge and soil were transported to the Corralitos Landfill for disposal as special waste. NASA collected confirmation soil samples and shipped them to the off-site laboratory for analysis. Analytical data from these samples will be used to determine if additional soil removal will be necessary. Late in the first quarter of 2024, NASA began preparing the Remedy Completion Report. NASA continued that report preparation work in the second and third quarters of 2024. Because of continuing complications with the legacy data management system, complete processing of chemical analytical data, and the resulting data validation and risk assessment, is delayed. As a result, NASA submitted the *Request for Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Bureau of Land Management Off-site Soil Pile (SWMU 16) Remedy Completion Report* on July 22, 2024 (NASA, 2024k). NMED approved the request on July 31, 2024, extending the due date for submittal of the report to November 30, 2024 (NMED, 2024k). NASA submitted the *NASA WSTF 600 Area Bureau of Land Management Off-Site Pile (SWMU 16) Remedy Completion Report and Risk Screen Evaluation* on November 19, 2024 (NASA, 2024cc). NMED review of the report continued in the third quarter of 2025.

2.8 SWMUs 18–20 (700 Area High Energy Blast Facility, 800 Area Below Grade Storage Tank, and 800 Area Oxidizer Burner)

NMED reviewed the *Response to Disapproval of Revised SWMU 19 (800 Area Below Grade Storage Tank) Investigation Report* (NASA, 2019f) and issued the *Approval with Modifications Revised 800 Area Below Grade Storage Tank (SWMU 19) Investigation Report* on August 27, 2020 (NMED, 2020h).

2.9 SWMUs 21–27 (Septic Tanks)

NMED disapproved NASA's July 23, 2019, *Response to Disapproval of NASA WSTF Septic Tanks (SWMUs 21-27) Investigation Report* (NASA, 2019g, the revised IR) on January 29, 2021 and directed

NASA to address six comments no later than May 30, 2021 (NMED 2021c). NASA addressed the six comments and submitted the *Response to Second Disapproval of NASA White Sands Test Facility (WSTF) Septic Tanks (SWMUs 21–27) Investigation Report* on May 18, 2021 (NASA, 2021h, Response Table). NMED approved the revised *NASA White Sands Test Facility (WSTF) Septic Tanks (SWMUs 21-27) Investigation Report* on March 16, 2023 (NMED, 2023d) and directed NASA to address two comments and submit a revised report no later than June 16, 2023. NASA submitted the *Response to Approval with Modifications Revised WSTF Septic Tanks (SWMUs 21-27) Investigation Report* on June 15, 2023 (NASA, 2023o).

Based on that approval and subsequent communication with NMED, NASA determined that corrective action is complete at these units and plans no additional investigation work. NASA submitted the *NASA White Sands Test Facility Petition for Corrective Action Status Review* on April 4, 2024 (NASA, 2024e). NMED reviewed the petition and issued the *Administratively Incomplete Determination* on September 3, 2024 (NMED, 2024m). In that determination, NMED directed NASA to address eight comments and submit a revised petition no later than October 31, 2024. NASA addressed eight NMED comments and submitted the *Response to Administratively Incomplete Determination Petition for Corrective Action Status Review White Sands Test Facility SWMUs 21-27, 30, and 31* on October 23, 2024 (NASA, 2024bb).

NASA distributed the *Public Neighbor Letter for Class 3 Permit Modification* (NASA, 2024z) to entities on the facility mailing list on October 17, 2024. NASA published the required advertisement (public notice) in the Las Cruces Bulletin on October 18, 2024 and posted the required public notices at the Branigan Library in Las Cruces and on signs at WSTF on October 20, 2024. NASA then scheduled and hosted the required public meeting on November 13, 2024 at the Branigan Library in Las Cruces. No members of the public attended the meeting. NASA submitted the *Documentation of Public Meeting supporting Petition For Class 3 Permit Modification of the White Sands Test Facility RCRA Permit* on November 21, 2024 (NASA, 2024ee). NMED continued reviewing the permit modification request during the third quarter of 2025.

2.10 SWMUs 29-31 (Small Arms Firing Ranges)

Leading up to 2020, NASA completed additional fieldwork required to respond to NMED's February 21, 2019, *Second Disapproval of Small Arms Firing Ranges (SWMUs 29-31) Remedy Completion Report.* NMED (NMED, 2019a) approved NASA's October 28, 2019 request to extend the due date for submittal of the disapproval response and revised remedy completion report from December 31, 2019 to February 28, 2020 (NASA, 2019k). NASA determined that additional time was required to complete the planned human and ecological health risk assessment for the three SWMUs and submitted the *Second Request for Extension of Time for NASA WSTF Small Arms Firing Ranges (SWMUs 29-31) Response to Second Disapproval Remedy Completion Report* on January 29, 2020 (NASA, 2020a). NMED approved the request on March 21, 2020 (NMED, 2020c), extending the due date for submittal of the report from February 28, 2020 to April 24, 2020. NASA prepared the response to NMED's February 21, 2019 *Second Disapproval of Small Arms Firing Ranges (SWMUs 29–31) Remedy Completion Report* (March 30, 2018) and submitted the *Response to Second Disapproval Small Arms Firing Ranges (SWMUs 29-31) Remedy Completion Report and Risk Assessment Report* on August 3, 2020 (NASA, 2020i). NMED approved the reports on November 16, 2022 with modifications (NMED, 2022q) and directed NASA to address six comments and submit revised reports no later than January 31, 2023. NASA addressed NMED's comments and submitted the *Response to Approval w/Mods – Revised Small Arms Firing Range (SWMUs 29-31) RCR* on January 27, 2023 (NASA, 2023d).

NASA determined that corrective action is complete at these units and plans no additional investigation work. NASA submitted the *NASA White Sands Test Facility Petition for Corrective Action Status Review* on April 4, 2024 (NASA, 2024f). NMED reviewed the petition and issued the *Administratively*

Incomplete Determination on September 3, 2024 (NMED, 2024m). In that determination, NMED directed NASA to address eight comments and submit a revised petition no later than October 31, 2024. NASA addressed eight NMED comments and submitted the *Response to Administratively Incomplete Determination Petition for Corrective Action Status Review White Sands Test Facility SWMUs 21-27, 30, and 31* on October 23, 2024 (NASA, 2024aa).

NASA distributed the *Public Neighbor Letter for Class 3 Permit Modification* (NASA, 2024z) to entities on the facility mailing list on October 17, 2024. NASA published the required advertisement (public notice) in the Las Cruces Bulletin on October 18, 2024 and posted the required public notices at the Branigan Library in Las Cruces and on signs at WSTF on October 20, 2024. NASA then scheduled and hosted the required public meeting on November 13, 2024 at the Branigan Library in Las Cruces. No members of the public attended the meeting. NASA submitted the *Documentation of Public Meeting supporting Petition For Class 3 Permit Modification of the White Sands Test Facility RCRA Permit* on November 21, 2024 (NASA, 2024ee). NMED continued reviewing the permit modification request during the third quarter of 2025.

Corrective action complete work at SWMU 29, collocated with the STGT wastewater lagoon (AOC 51) was on hold pending NMED approval of the revised lagoon investigation report that concluded no additional investigation or corrective action is required. Following NMED approval of the revised *NASA White Sands Test Facility (WSTF) STGT Wastewater Lagoons Closure (AOC 51) Investigation Report* on September 3, 2024, NASA determined that the STGT small arms firing range (SWMU 29) will be included in NASA's next Class 3 Permit modification request for corrective action complete status determination.

2.11 SWMU 33 (300 Area Test Stand 302 Cooling Water Pond)

Anticipating closure of Test Stand 302 apart from a full closure, NASA submitted the *NASA White Sands Test Facility (WSTF)300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Work Plan (IWP) and Historical Information Summary (HIS)* (NASA, 2020j) on August 17, 2020. NMED disapproved the work plan on May 9, 2022 (NMED, 2022f). NMED directed NASA to address the comments and submit a revised work plan no later than September 15, 2022. NASA addressed NMED's 13 comments and submitted the *Response to Disapproval of NASA WSTF 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Work Plan (IWP) and Historical Information Summary (HIS)* on September 14, 2022 (NASA, 2022k). NMED approved the *Response to Disapproval of NASA WSTF 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) IWP and HIS* (September 14, 2022) with modifications on January 19, 2024 (NMED, 2024c). NMED directed NASA to address five comments and submit a revised work plan no later than April 30, 2024. NASA submitted the *Response to Approval with Modifications for the NASA WSTF 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Work Plan and Historical Information Summary* on April 26, 2024 (NASA, 2024f). Project planning was suspended in the fourth quarter 2024. NASA proposed an alternate investigation schedule for SWMU 33 in Table 2.1 of the *NASA White Sands Test Facility (WSTF) Corrective Action Projects; Proposal to Restructure Priorities and Schedule* (NASA, 2024hh; Enclosure 2, page 9). NMED directed NASA to submit a request for extension of time for submittal of the final investigation report (NMED, 2025a). NASA submitted the *Request for Extension of Time for Submittal of 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Report* on April 29, 2025 (NASA, 2025g). NMED approved the request on July 2, 2025, extending the due date for submittal of the investigation report to September 30, 2030 (NMED, 2025e).

2.12 SWMU 47 (500 Area Fuel Storage Area)

NASA submitted the 500 Area Fuel Storage (SWMU 47) Investigation Work Plan on September 26, 2018 (NASA, 2018). NMED disapproved the work plan on August 8, 2019 (NMED, 2019d) and directed

NASA to address 14 comments and submit a revised work plan by November 25, 2019. NASA submitted the *Response to Disapproval of 500 Area (SWMU 47) Investigation Work Plan* on November 21, 2019 (NASA, 2019l). NMED disapproved the revised work plan on March 19, 2021 and directed NASA to address five comments and submit a revised IWP no later than July 31, 2021 (NMED, 2021g). NASA addressed NMED's comments and submitted the *Response to Second Disapproval of 500 Area Fuel Storage (SWMU 47) Investigation Work Plan* on June 29, 2021 (NASA, 2021l, Response Table). NMED approved the revised work plan with modifications on March 1, 2023 (NMED, 2023c) and directed NASA to address three NMED comments and submit a revised work plan no later than May 31, 2023. NMED also directed NASA to perform the first phase of the investigation and provide an investigation report for NMED review no later than November 30, 2024. NASA submitted the *Response to Approval with Modifications 500 Area Fuel Storage (SWMU 47) Investigation Work Plan: Phase I* on May 22, 2023 (NASA, 2023m). Due to scheduling conflicts and personnel safety issues presented by ongoing testing in the 500 Area, NASA submitted the *Request for NMED Concurrence to Submit Permit Modification for the 500 Area Fuel Storage Area (SWMU 47)* on July 10, 2023 (NASA, 2023p). In the request, NASA recommended that further investigation of SWMU 47 in the 500 Area be postponed until the Fuel Storage Area is permanently closed and fully accessible for investigation fieldwork. NMED denied the request on October 31, 2023 (NMED, 2023s), but authorized NASA to postpone investigation fieldwork until the SWMU can be safely accessed.

2.13 SWMU 49 (700 Area Landfill)

NASA submitted the *NASA White Sands Test Facility (WSTF) SWMU 49 (700 Area Landfill) Phase I Investigation Work Plan (IWP) and Historical Information Summary (HIS)* on December 28, 2017 (NASA, 2017). NMED disapproved the work plan (NMED, 2018) and directed NASA to address eight comments and submit a revised work plan by May 31, 2019. NASA submitted the *Response to NMED Disapproval SWMU 49 (700 Area Landfill) Phase I Investigation Work Plan and Historical Information Summary* on March 28, 2019 (NASA, 2019b). NMED approved the work plan with modification on June 6, 2019 (NMED, 2019c). The planned investigation includes Phase 1A and Phase 1B soil vapor sampling and surface geophysics. In November 2019 and December 2019, NASA deployed 159 passive soil vapor samplers and completed the Phase 1A soil vapor survey. NASA and the subcontracted geophysics firm performed the EMI and magnetic gradient field surveys between February 24 and 28, 2020.

Because of project delays created by the COVID-19 pandemic, NASA submitted a *Request for Extension of Time for Submittal of the SWMU 49 (700 Area Landfill) Phase I Investigation Report* on May 4, 2020 (NASA, 2020e). NMED approved the request on July 1, 2020 (NMED, 2020f), extending the date for submittal of the Phase 1 investigation report to March 31, 2021. Meanwhile, NASA completed procurement of the ground penetrating radar and passive seismic surveys as described in the NMED-approved landfill investigation work plan. Due to the ongoing pandemic, NASA submitted a *Second Request for Extension of Time for Submittal of the SWMU 49 (700 Area Landfill) Phase I Investigation Report* on February 3, 2021 (NASA, 2021b). NMED approved the request on March 15, 2021 (NMED, 2021c), extending the due date for submittal of the Phase 1 investigation report to April 29, 2022. NMED approved the *700 Area Landfill Closure (SWMU 49) Phase I Investigation Report* on February 10, 2023 (NMED, 2023a) and directed NASA to provide a Phase II work plan no later than October 31, 2023. NASA submitted the *700 Area Landfill (SWMU 49) Phase II Abbreviated Investigation Work Plan* on October 25, 2023 (NASA, 2023bb). On July 31, 2024, NMED approved the work plan with modifications (NMED, 2024l) and directed NASA to address two comments and submit a revised work plan no later than October 31, 2024. NASA submitted the *Response to Approval with Modifications of the NASA White Sands Test Facility (WSTF) 700 Area Landfill (SWMU 49) Phase II Abbreviated Investigation Work Plan* on October 30, 2024 (NASA, 2024bb). In Table 2.1 of the *NASA White Sands Test Facility (WSTF) Corrective Action Projects; Proposal to Restructure Priorities and Schedule* (NASA, 2024hh; Enclosure 2, page 3), NASA proposed an alternate schedule for performing the second phase of SWMU 49

investigation work. NMED directed NASA to submit a request for extension of time for submittal of the final investigation report (NMED, 2025a). NASA submitted the *Request for Extension of Time for Submittal of 700 Area Landfill (SMWU 49) Phase II Investigation Report* on April 29, 2025 (NASA, 2025i). NMED approved the request on July 2, 2025, extending the due date for submittal of the investigation report to September 30, 2031 (NMED, 2025f).

2.14 SWMU 50 (First TDRSS Diesel Release)

NASA submitted the *First Tracking Data Relay Satellite System (TDRSS) Diesel Release (SWMU 50) Investigation Report* on March 14, 2019 (NASA, 2019a). NMED disapproved the report on July 8, 2020 (NMED, 2020g) and directed NASA to address 17 NMED comments and submit a revised report no later than October 30, 2020. NASA submitted the *Response to Disapproval of First Tracking Data Relay Satellite System (TDRSS) Diesel Release (SWMU 50) Investigation Report and Risk Screen Evaluation Report* on November 9, 2020 (NASA, 2020n). NMED approved the reports on November 16, 2022 with modifications (NMED, 2022p) and directed NASA to address seven comments and submit revised reports no later than January 31, 2023. NASA addressed NMED's seven comments and submitted the *Response to Approval with Modification of First Tracking Data Relay Satellite System (TDRSS) Diesel Release (SWMU 50) Investigation Report* on January 26, 2023 (NASA, 2023c). No further investigation is planned at this SWMU for the foreseeable future.

2.15 SWMU 52 (Second TDRSS UST)

On August 11, 2020, NASA discovered a diesel fuel leak in the area of the SWMU 52 Underground Storage Tank (UST), which is located north of WSTF at the White Sands Complex. NASA initiated a preliminary investigation and confirmed that the leak originated from a puncture in the return fuel line between emergency generator and the UST. NASA informed the NMED HWB of the release via email on August 13, 2020 and in writing in the August 17, 2020 *NASA White Sands Test Facility Hazardous Waste Operating Permit SWMU 52 Incident Notification* (NASA, 2020k). NASA submitted the *Second TDRSS Underground Storage Tank (SWMU 52) Release Assessment Report* to NMED HWB on February 18, 2021 (NASA, 2021c).

Parallel activities were performed with notifications and approvals provided to the NMED Petroleum Storage Tank Bureau (PSTB). During August and September 2020, White Sands Complex personnel coordinated corrective action for this release through the NMED PSTB. On September 21, 2020, NASA submitted the *NASA White Sands Test Facility Hazardous Waste Operating Permit SWMU 52 Incident Update* (NASA, 2020l. p7). The update summarized corrective action performed to date, including the removal of 32 cubic yards ($yd^{3)}$ of diesel-contaminated soil from the area of the leak. NASA then submitted the *Second TDRSS UST Minimum Site Assessment Work Plan* (NASA, 2020o) to the PSTB on November 18, 2020. The work plan described an investigation to determine the extent and magnitude of soil contamination caused by the diesel release. On February 4, 2021 (NMED PSTB, 2021), the NMED PSTB approved NASA's *Second TDRSS UST Minimum Site Assessment Work Plan* of November 18, 2020 (NASA, 2020o, pp3-6). NASA submitted the *Second TDRSS UST Minimum Site Assessment Report* to the NMED PSTB on June 25, 2021 (NASA, 2021j). The HWB was copied. The work conducted for the investigation and report had been under a PSTB-approved Minimum Site Investigation Work Plan (NMED, 2021b).

In December 2020, NASA completed shipping the remaining petroleum contaminated soil previously removed from the release location soil to the Valencia Regional Landfill and Recycling Facility for bioremediation and disposal. In total, approximately 214 yd^3 of contaminated soil was removed from the release area. NASA drilled five boreholes for characterization of the release from March 22 through March 26, 2021 in accordance with the work plan.

The NMED HWB disapproved the *Second TDRSS UST Minimum Site Assessment Report* on March 1, 2022 and directed NASA to address four NMED comments and submit a revised report no later than May 6, 2022 (NMED, 2022c). NASA submitted the *Response to Disapproval of NASA WSTF Second TDRSS Underground Storage Tank (SWMU 52) Release Assessment Report* on April 26, 2022 (NASA, 2022f). NMED approved the report with a modification on August 8, 2022 (NMED, 2022l). An additional submittal was not required.

2.16 SWMU 54 (500 Area Former Oxidizer Burner)

NASA identified the location of a former 500 Area oxidizer as a potential new SWMU. On October 16, 2019, NASA submitted the *Fifteen-Day Notification of a Newly Identified SWMU within the WSTF 500 Area* (NASA, 2019j). NMED acknowledged receipt of NASA's fifteen-day notification on November 13, 2019 (NMED, 2019f) and directed NASA to provide a Release Assessment Report no later than May 29, 2020. NASA researched historical information on the newly identified SWMU and submitted the *500 Area Newly Identified SMWU Release Assessment Report* on June 22, 2020 (NASA, 2020g, p4). NMED approved the report on December 20, 2021 and directed NASA to prepare and submit an investigation work plan for the unit no later than August 31, 2022 (NMED, 2021n). NASA completed preparation of the historical investigation summary and investigation work plan for the former oxidizer burner in the 500 Area. The unit will be identified as a SWMU in the Permit at an appropriate time. NASA submitted the *500 Area Former Oxidizer Burner (FOB) Investigation Work Plan (IWP) and Historical Information Summary (HIS)* on August 25, 2022 (NASA, 2022j). NMED approved the work plan with modifications on November 1, 2023 (NMED, 2023w). NMED directed NASA to address five comments and submit a revised work plan no later than December 29, 2023 (NMED, 2023w). NASA submitted the *Response to Approval with Modifications of the NASA White Sands Test Facility (WSTF) 500 Area Former Oxidizer Burner (FOB) Investigation Work Plan (IWP) and Historical Information Summary (HIS)* on December 21, 2023 (NASA, 2023ff).

NASA submitted the *Notice of a Class 1 Permit Modification Request for the NASA White Sands Test Facility (WSTF) Hazardous Waste Permit No. NM8800019434* on October 4, 2022 (NASA, 2022l), which notified NMED of a modification to the Permit by adding the FOB as SWMU 54. On November 15, 2022, NMED notified NASA that the unit had been added to the Permit as SWMU 54 and that the change would be fully addressed in the upcoming Permit renewal (NMED, 2022o). The unit is identified as SWMU 54 in the 2023 RCRA Permit (NMED, 2023g).

During the first quarter of 2024, NASA began planning investigation fieldwork to be performed in accordance with the NMED-approved *NASA White Sands Test Facility (WSTF) 500 Area Former Oxidizer Burner (FOB) Investigation Work Plan (IWP) and Historical Information Summary (HIS)* (NASA, 2023ff). NASA completed project planning to perform the investigation in accordance with the work plan and completed procurements for the required soil boring and analytical support subcontractors. The subcontractor drilling company mobilized to WSTF on April 30, 2024 and NASA performed shallow soil sampling at 11 borings and shipped samples to the off-site laboratory for analysis. NASA received analytical from the off-site laboratory and began prepared the investigation report and risk screening evaluation in accordance with the approved work plan. NASA submitted the *NASA White Sands Test Facility (WSTF) 500 Area Former Oxidizer Burner (SWMU 54) Investigation Report (IR)* on July 25, 2024 (NASA, 2024n). NASA received NMED's August 7, 2024 fee assessment for review of the report and provided the $20,000 *Fee Assessment for the 500 Area Former Oxidizer (SWMU 54) Investigation Report* on August 15, 2024 (NASA, 2024q). NMED continued reviewing the third during the second quarter of 2025.

3.0 References

NASA Johnson Space Center White Sands Test Facility. (2016a, February 25). *NASA WSTF SWMU 16 (600 Area BLM Off-Site Soil Pile) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2016b, June 28). *Abbreviated Investigation Work Plan for the 600 Area Perched Groundwater*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2017, December 28). *NASA White Sands Test Facility (WSTF) SWMU 49 (700 Area Landfill) Phase I Investigation Work Plan (IWP) and Historical Information Summary (HIS*). Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2018, September 26*). 500 Area Fuel Storage (SWMU 47) Investigation Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019a, March 14). *First Tracking Data Relay Satellite System (TDRSS) Diesel Release (SWMU 50) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019b, March 28). *Response to NMED Disapproval SWMU 49 (700 Area Landfill) Phase I Investigation Work Plan and Historical Information Summary*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019c, May 29). *400 Area Supplemental Groundwater and Soil Vapor Monitoring Plan.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019d, May 29). *NASA WSTF (White Sands Test Facility) 100 Area Wastewater Lagoons Closure (SWMU 2) Interim Status Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019e, May 30*). 300 Area Supplemental Abbreviated Drilling Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019f, June 27). *Response to Disapproval of Revised SWMU 19 (800 Area Below Grade Storage Tank) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019g, July 23). *Response to Disapproval of NASA White Sands Test Facility (WSTF) Septic Tanks (SWMUs 21-27) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019h, July 30). *Response to Disapproval of the NASA WSTF 200 Area HWTL (SWMU 10) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019i, August 7). *Request to Remove Electrical Resistivity Component of the 600 Area Perched Groundwater Geophysical Survey based on Geophysical Subcontractor Input Received during the Procurement Process*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019j, October 16). *Fifteen-Day Notification of a Newly Identified SWMU within the WSTF 500 Area*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019k, October 28). *Request for Extension of Time for NASA WSTF Small Arms Firing Ranges (SWMUs 29 – 31) Response to Second Disapproval Remedy Completion Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019l, November 21). *Response to Disapproval of 500 Area Fuel Storage (SWMU 47) Investigation Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019m, November 25). *NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019n, November 26). *NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019o, December 19). *Synopsis of the Findings of the 600 Area Closure Geophysical Seismic Refraction Tomography and Reflection Surveys with Revised Soil Boring Locations Submitted for NMED Approval.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2019p, December 30). *NASA WSTF 400 Area Closure Investigation Report – NMED Second Disapproval Response*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020a, January 29). *Second Request for Extension of Time for NASA WSTF Small Arms Firing Ranges (SWMUs 29 – 31) Response to Second Disapproval Remedy Completion Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020b, January 30). *NMED Disapproval Response for 200 Area and 600 Area Vapor Intrusion Assessment Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020c, February 27). *Groundwater Data Representativeness Phase 1: Water FLUTe Well Evaluation Abbreviated Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020d, March 24). *Request for Extension of Time for Submittal of the 600 Area Perched Groundwater Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020e, May 4). *Request for Extension of Time for Submittal of the SWMU 49 (700 Area Landfill) Phase I Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020f, May 4). *Well Reconfiguration Report for Well BLM-28 and Notice of Intent to Plug and Abandon*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020g, June 22). *500 Area Newly Identified SWMU Release Assessment Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020h, August 3*). NASA White Sands Test Facility (WSTF) 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020i, August 3). *Response to Second Disapproval Small Arms Firing Ranges (SWMUs 29-31) Remedy Completion Report and Risk Assessment Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020j, August 17). *NASA White Sands Test Facility (WSTF) 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Work Plan (IWP) and Historical Information Summary (HIS)*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020k, August 17). *NASA White Sands Test Facility Hazardous Waste Operating Permit SWMU 52 Incident Notification*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020l, September 21). *NASA White Sands Test Facility Hazardous Waste Operating Permit SWMU 52 Incident Update*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020m, October 13). *NASA White Sands Test Facility (WSTF) STGT Wastewater Lagoons Closure (AOC 51) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020n, November 9). *Response to Disapproval of First Tracking Data Relay Satellite System (TDRSS) Diesel Release (SWMU 50) Investigation Report and Risk Screen Evaluation Report*. Las Cruces, NM.

NASA White Sands Complex. (2020o, November 18). *Second TDRSS UST Minimum Site Assessment Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2020p, November 30). *Request for Fourth Extension of Time for Well Reconfiguration Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021a, February 3). *Response to Approval with Modifications Work Plan for Abandonment of NASA WSTF Well BLM-30 and Replacement with Monitoring Well BLM-43*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021b, February 3). *Second Request for Extension of Time for Submittal of the SWMU 49 (700 Area Landfill) Phase I Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021c, February 18). *Second TDRSS Underground Storage Tank (SWMU 52) Release Assessment Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021d, March 15). *Application for Permit to Drill Monitoring Well (BLM-43) with No Consumptive Use of Water at NASA-JSC White Sands Test Facility.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021e, April 29). *NASA WSTF Westbay Well Reconfiguration Work Plan for Wells PL-7, PL-8, PL-10, ST-5, and WW-3.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021f, April 29). *Well Abandonment Work Plan for Well BLM-28.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021g, May 18). *Response to NMED Approval with Modifications for the 600 Area Closure Geophysical Survey Status Report – Comment 2 (Further Investigation).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021h, May 18). *Response to Second Disapproval of NASA White Sands Test Facility (WSTF) Septic Tanks (SWMUs 21–27) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021i, May 19). *Request for Extension of Time for Submittal of Hazardous Waste Transmission Lines (SWMU 10) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021j, June 25). *Second TDRS UST Minimum Site Assessment Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021k, June 29). *NASA WSTF Well Reconfiguration Work Plan for Well BW-4.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021l, June 29). *Response to Second Disapproval of 500 Area Fuel Storage (SWMU 47) Investigation Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021m, July 14). *Response to Disapproval of 300 Area Supplemental Abbreviated Drilling Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021n, July 14). *Response to Disapproval of 400 Area Supplemental Groundwater and Soil Vapor Monitoring Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021o, July 20) *Response to Approval with Modifications of NASA WSTF SWMU 16 (600 Area BLM Off-Site Soil Pile) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021p, July 27). *NASA WSTF 400 Area Closure Investigation Report – NMED Third Disapproval Response*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021q, August 17). *Response to Approval with Modifications for Groundwater Data Representativeness Phase 1: Water FLUTe Well Evaluation Abbreviated Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021r, August 31*). Work Plan for Drilling and Installation of Monitoring Well 600B-001-GW at the NASA White Sands Test Facility (WSTF)*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021s, August 31). *Work Plan for Drilling and Installation of Monitoring Well 600C-001-GW at the NASA White Sands Test Facility* (WSTF). Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021t, September 14). *Request for Second Extension of Time for Submittal of Response to Disapproval of Hazardous Waste Transmission Lines (SWMU 10) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021u, September 28). *Accelerated Corrective Measures Work Plan for the NASA WSTF SWMU 16 (600 Area BLM Off-Site Soil Pile).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021v, September 28). *Request for Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2021w, November 2). *Abbreviated Investigation Work Plan for Groundwater Data Representativeness, Phase 2: FLUTe Well Evaluation.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022a, March 4). *Response to Second Disapproval of NASA WSTF 200 Area HWTL (SWMU 10) Investigation Report and Risk Assessment Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022b, March 4). *Response to Second Disapproval of NASA WSTF 200 Area HWTL (SWMU 10) IR Risk Assessment Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022c, March 8). *Response to Approval with Modifications of NASA WSTF Well Reconfiguration Work Plan for Well BW-4*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022d, March 22). *Request for a "Contained-in" Determination for Contaminated Media Associated with the 600 Area Perched Groundwater Abbreviated Investigation Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022e, April 26). *Request for Second Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022f, April 26). *Response to Disapproval of NASA WSTF Second TDRSS Underground Storage Tank (SWMU 52) Release Assessment Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022g, April 29). *NASA WSTF Work Plan for Abandonment of NASA WSTF NASA 9 and Replacement with Monitoring Well 400-001-GW*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022h, June 29). *600 Area Perched Groundwater Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022i, August 9). *Fee Assessment for the 600 Area Perched Groundwater Investigation Report (NMED Invoice Number HWB-NASA-22-009)*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022j, August 25). *NASA White Sands Test Facility (WSTF) 500 Area Former Oxidizer Burner (FOB) Investigation Work Plan (IWP) and Historical Information Summary (HIS)*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022k, September 14). *Response to Disapproval of NASA WSTF 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Work Plan (IWP) and Historical Information Summary (HIS)*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022l, October 4). *Notice of a Class 1 Permit Modification Request for the NASA White Sands Test Facility (WSTF) Hazardous Waste Permit No. NM8800019434*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022m, December 8). *Request for Extension of Time for NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report (IR) Response to Disapproval*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2022n, December 8). *Request for Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response to Disapproval*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023a, January 18). *Request for Extension of Time for NASA White Sands Test Facility (WSTF) 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report Response to Disapproval*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023b, January 18). *Request for Extension of Time for NASA White Sands Test Facility (WSTF) Second Tracking and Data Relay Satellite Ground Terminal (STGT) Wastewater Lagoons Closure (Area of Concern [AOC] 51) Investigation Report Response to Disapproval*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023c, January 26). *Response to Approval with Modification of First Tracking Data Relay Satellite System (TDRSS) Diesel Release (SWMU 50) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023d, January 27). *Approval with Modifications Revised Small Arms Firing Ranges (SWMUs 29-31) Remedy Completion Report and Risk Assessment Report; NMED Comment 1.b*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023e, March 8). *Request for Second Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response to Disapproval*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023f, March 14). *Abandonment Report for NASA Well BLM-28*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023g, March 21). *Reconfiguration Report for NASA Well BW-4*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023h, April 12). *Request for Third Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023i, April 27). *Groundwater Data Representativeness Phase 2: Water FLUTe Well Evaluation Abbreviated Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023j, April 27). *NASA WSTF Work Plan for Drilling and Installation of Monitoring Wells 600C-003-GW and 600C-004-GW*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023k, April 27*). Response to Second Disapproval 200 and 600 Area Vapor Intrusion Assessment Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023l, May 11*). Fee Assessment for Well BW-4 Reconfiguration Report (NMED Invoice Number HWB-NASA-23-005).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023m, May 22). *Response to Approval with Modifications 500 Area Fuel Storage (SWMU 47) Investigation Work Plan: Phase I*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023n, May 22). *Response to Approval with Modifications of the Accelerated Corrective Measures Work Plan for the NASA WSTF SWMU 16 (600 Area BLM Off-Site Soil Pile).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023o, June 15). *Response to Approval with Modifications Revised WSTF Septic Tanks (SWMUs 21-27) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023p, July 10). *Request for NMED Concurrence to Submit Permit Modification for the 500 Area Fuel Storage Area (SWMU 47).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023q, July 11*). Response to Approval with Modifications 400 Area Supplemental Groundwater and Soil Vapor Monitoring Plan.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023r, August 3). *Request for Third Extension of Time for NASA White Sands Test Facility (WSTF) 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report Response to Disapproval.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023s, August 3). *Request for Third Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response to Disapproval.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023t, August 24). *Request for Third Extension of Time for NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report (IR) Response to Disapproval.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023u, August 24). *Request for Third Extension of Time for NASA White Sands Test Facility (WSTF) Second Tracking and Data Relay Satellite Ground Terminal (STGT) Wastewater Lagoons Closure (Area of Concern [AOC] 51) Investigation Report Response to Disapproval.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023v, August 30). *Response to Approval with Modifications 600 Area Perched Groundwater Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023w, September 13). *Expanded Scope Proposed for the 300 Area Supplemental Abbreviated Drilling Work Plan (ADWP).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023x, September 15). *Request for Fourth Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023y, September 15). *Request for Second Extension of Time for Submittal of the Completion Report for Monitoring Well 600C-001-GW.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023z, October 11). *Request for Fourth Extension of Time for NASA White Sands Test Facility (WSTF) 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report Response to Disapproval.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023aa, October 11*). Request for Fourth Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response to Disapproval*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023bb, October 25). *NASA White Sands Test Facility (WSTF) 700 Area Landfill (SWMU 49) Phase II Abbreviated Investigation Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023cc, November 20). *Response to Disapproval of NASA White Sands Test Facility (WSTF) STGT Wastewater Lagoons Closure (AOC 51) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023dd, November 22*). Request for Fourth Extension of Time for NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report (IR) Response to Disapproval*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023ee, November 27). *NASA White Sands Test Facility (WSTF) 600 Area Perched Groundwater Phase II Abbreviated Investigation Work Plan*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023ff, December 21). *Response to Approval with Modifications of the NASA White Sands Test Facility (WSTF) 500 Area Former Oxidizer Burner (FOB) Investigation Work Plan (IWP) and Historical Information Summary (HIS)*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2023gg, December 27*). Response to Approval with Modifications of the NASA WSTF 200 Area HWTL (SWMU 10) Investigation Report and Risk Assessment Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024a, January 30). *Response to Approval with Modifications of the NASA WSTF Work Plan for Abandonment of NASA WSTF Well BLM-1-435 and Replacement with Monitoring Well 600C-003-GW.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024b, February 5). *Fee Assessment for the 600 Area Perched Groundwater (PGW) Phase II Abbreviated Investigation Work Plan (AIWP) (NMED Invoice Number HWB-NASA-23-021).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024c, February 21). *RE-135 - Response to Disapproval of 600 Area Lagoons (SWMU 34) IR and Risk Assessment.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024d, February 28). *Request for Fifth Extension of Time for NASA White Sands Test Facility (WSTF) 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report Response to Disapproval.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024e, April 4). *NASA White Sands Test Facility Petition for Corrective Action Status Review.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024f, April 26). *Response to Approval with Modifications for the NASA WSTF 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Work Plan and Historical Information Summary.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024g, April 30). *Response to Disapproval of the NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024h, May 6). *Request for Extension of Time for Submittal of NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – First Quarter 2024.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024i, May 29). *Quality Assurance Reports for the Response to Disapproval of the NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024j, July 19). *Response to Approval with Modifications for the 200 and 600 Area Vapor Intrusion Assessment Report (VIAR).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024k, July 22). *Request for Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Bureau of Land Management Off-site Soil Pile (SWMU 16) Remedy Completion Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024l, July 22). *Request for Extension of Time for Submittal of NASA White Sands Test Facility (WSTF) Response to the Disapproval of Reconfiguration Report for Well BW-4.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024m, July 22). *Request for Second Extension of Time for Submittal of NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – First Quarter 2024.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024n, July 25). *NASA White Sands Test Facility (WSTF) 500 Area Former Oxidizer Burner (SWMU 54) Investigation Report (IR).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024o, July 31). *Groundwater Data Representativeness Phase 2 Disapproval Response: Water FLUTe Well Evaluation Abbreviated Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024p, August 2). *NASA WSTF Westbay Well Reconfiguration Work Plan for Wells PL-7, PL-8, PL-10, ST-5, and WW-3 Extension Request.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024q, August 15). *Fee Assessment for the 500 Area Former Oxidizer (SWMU 54) Investigation Report (NMED Invoice Number HWB-NASA-24-007).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024r, August 29*). Response to Disapproval of the NASA WSTF 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024s, August 30). *NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – First Quarter 2024.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024t, August 30). *Response to Disapproval of the NASA WSTF Westbay Well Reconfiguration Work Plan for Wells PL-7, PL-8, PL-10, ST-5, and WW-3.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024u, August 30). *Submittal of Well Completion Reports (WCR) for NASA White Sands Test Facility (WSTF) 400-001-GW*. Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024v, September 5). *Resubmittal of NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – First Quarter 2024.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024w, September 9). *Response to Approval w/Mods for STGT Wastewater Lagoons (AOC 51) IR.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024x, October 3). *Well Completion Report (WCR) for NASA White Sands Test Facility (WSTF) 300-001-GSV and 400-001-GW Analytical Results.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024y, October 3). *Well Completion Report (WCR) for NASA White Sands Test Facility (WSTF) 300-002-GSV.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024z, October 17). *Public Neighbor Letter for Class 3 Permit Modification.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024aa, October 23). *Response to Administratively Incomplete Determination Petition for Corrective Action Status Review White Sands Test Facility SWMUs 21-27, 30, and 31.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024bb, October 30). *Response to Approval with Modifications of the NASA White Sands Test Facility (WSTF) 700 Area Landfill (SWMU 49) Phase II Abbreviated Investigation Work Plan.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024cc, November 19). *NASA WSTF 600 Area Bureau of Land Management Off-Site Pile (SWMU 16) Remedy Completion Report and Risk Screen Evaluation.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024dd, November 20). *Plugging and Abandonment of NASA Well PFI-1.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024ee, November 21). *Documentation of Public Meeting supporting Petition For Class 3 Permit Modification of the White Sands Test Facility RCRA Permit.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024ff, November 26). *200 and 600 Area Vapor Monitoring and Intrusion Assessment (VMIA) Abbreviated Investigation Work Plan (AIWP).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024gg, November 26). *NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – Second Quarter 2024.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2024hh, December 13). *NASA White Sands Test Facility (WSTF) Corrective Action Projects; Proposal to Restructure Priorities and Schedule.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025a, February 19). *PGEPT 2025 Transition to TMRP Reporting Proposal.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025b, February 25). *NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – Third Quarter 2024.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025c, March 28). *Response to Second Disapproval of the NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025d, April 7). *Provision of Supplemental Soil Vapor Analytical Data (Appendix G) for the 300-002-GSV Well Completion Report (WCR).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025e, April 28). *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report – Project Year 12.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025f, April 29). *Request for Fifth Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025g, April 29). *Request for Extension of Time for Submittal of 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025h, April 29). *Request for Extension of Time for Submittal of 600 Area Perched Groundwater Phase II Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025i, April 29). *Request for Extension of Time for Submittal of 700 Area Landfill (SMWU 49) Phase II Investigation Report.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025j, April 29). *Request for Extension of Time for Submittal of Well Completion Report for Monitoring Well 600C-003-GW.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025k, April 29). *Request to Indefinitely Defer Submittal of the Completion Report for Monitoring Well 600B-001-GW.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025l, April 29). *Request to Indefinitely Defer Submittal of the Completion Report for Monitoring Well 600C-001-GW.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025m, May 8). *Abandonment Report for NASA Well PFI-1.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025n, May 29). *NASA White Sands Test Facility (WSTF) 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – Fourth Quarter 2024.* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility. (2025o, June 30). *NASA White Sands Test Facility (WSTF) 600 Area Perched Groundwater Phase IIa Status Report.* Las Cruces, NM.

NMED Hazardous Waste Bureau. (2018, November 29). *Disapproval SWMU 49, 700 Area Landfill Phase I Investigation Work Plan and Historical Information Summary*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2019a, February 21). *Second Disapproval Small Arms Firing Ranges (SWMUs 29-31) Remedy Completion Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2019b, June 5*). Disapproval 200 Area and 600 Area Vapor Intrusion Assessment Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2019c, June 6). *Approval with Modifications SWMU 49, 700 Area Landfill Phase I Investigation Work Plan and Historical Information Summary*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2019d, August 8). *Disapproval 500 Area Fuel Storage (SWMU 47) Investigation Work Plan*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2019e, August 23). *Work Scope Modification Request Abbreviated Investigation Work Plan for 600 Area Perched Groundwater*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2019f, November 13). *Fifteen-Day Notification of a Newly Identified SWMU Within WSTF 500 Area*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020a, January 16). *Approval Request for Extension of Time for Well Reconfiguration Work Plan*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020b, January 16). *Approval Request for Second of Extension of Time for Response to Disapproval 200 Area and 600 Area Vapor Intrusion Assessment Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020c, March 21). *Approval Request for Second Extension of Time for NASA WSTF Small Arms Firing Ranges (SWMUs 29-31) Response to Second Disapproval Remedy Completion Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020d, May 14). *100 Area Wastewater Lagoons Closure (SWMU 2) Interim Status Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020e, July 1). *Approval Request for Extension of Time for Submittal of 600 Area Perched Groundwater Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020f, July 1). *Approval Request for Extension of Time for Submittal of the SWMU 49 (700 Area Landfill) Phase I Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020g, July 8). *Disapproval First TDRSS (Tracking and Data Relay Satellite System) Diesel Release (SWMU 50) Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020h, August 27). *Approval with Modifications Revised 800 Area Below Grade Storage Tank (SWMU 19) Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020i, November 5). *Approval with Modifications Work Plan for Abandonment of NASA WSTF Well BLM-30 and Replacement With Monitoring Well BLM-43*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020j, November 16). *Disapproval 200 Area Hazardous Waste Transmission Lines (SWMU 10) Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020k, November 19). *Well Reconfiguration Report for Well BLM-28 and Notice of Intent to Plug and Abandon*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2020l, December 22). *Approval with Modifications 600 Area Closure Geophysical Survey Status Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021a, January 25). *Approval Request for Fourth Extension of Time for Well Reconfiguration Work Plan.* Santa Fe, NM.

NMED Petroleum Storage Tank Bureau. (2021b, February 4). *Technical Approval of Minimum Site Assessment Workplan for White Sand Complex.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021c, March 15). *Approval Request for Extension of Time for Submittal of The SWMU 49 (700 Area Landfill) Phase I Investigation Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021d, March 15). *Disapproval 400 Area Supplemental Groundwater and Soil Vapor Monitoring Plan.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021e, March 19). *Disapproval 300 Area Supplemental Abbreviated Drilling Work Plan.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021f, March 19). *Disapproval 400 Area Closure Investigation Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021g, March 19). *Disapproval 500 Area Fuel Storage (SWMU 47) Investigation Work Plan: Phase I.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021h, May 6). *Approval with Modifications 600 Area Bureau of Land Management Off-Site Soil Pile (SWMU 16) Revised Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021i, June 3). *Approval with Modifications Groundwater Data Representativeness Phase I: Water FLUTe Well Evaluation Abbreviated Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021j, July 6). *600 Area Closure Geophysical Survey Status Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021k, July 7). *Approval Request for Extension of Time for Submittal of Hazardous Waste Transmission Lines (SWMU 10) Investigation Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021l, October 27). *Approval Request for Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021m, November 15). *Approval with Modifications White Sands Test Facility Groundwater Monitoring Plan*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2021n, December 20). *Approval 500 Area Newly Identified SWMU Release Assessment Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022a, January 18). *Approval with Modifications Well Reconfiguration Work Plan for BW-4*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022b, January 25). *Approval Request for Third Extension of Time for Submittal of Response to Disapproval of Hazardous Waste Transmission Lines (SWMU 10) Investigation Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022c, March 1). *Disapproval Second TRDSS Underground Storage Tank (SWMU 52) Release Assessment Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022d, April 18). *Approval Request for "Contained-In" Determination for Contaminated Media Associate With the 600 Area Perched Groundwater Investigation*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022e, April 25). *Approval with Modification Work Plan for Drilling and Installation of Monitoring Well 600B-001-GW.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022f, May 9). *Disapproval 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Report Plan and Historical Information Summary*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022g, June 6). *Approval Request for Second Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022h, June 6). *Disapproval 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022i, June 16). *Disapproval 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022j, July 25). *Disapproval STGT Wastewater Lagoons Closure (AOC 51) Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022k, August 8). *Approval Abbreviated Investigation Work Plan for Groundwater Data Representativeness Phase 2: Water FLUTe Well Evaluation*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022l, August 8). *Approval with Modification Second TDRSS Underground Storage Tank (SWMU 52) Release Assessment Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022m, September 20). *Disapproval 200 and 600 Area Vapor Intrusion Assessment Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022n, October 31). *Approval Abbreviated Work Plan for Abandonment of NASA WSTF NASA 9 and Replacement with Monitoring Well 400-001-GW*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022o, November 15). *NASA's October 4, 2022 Notice of a Class I Permit Modification Request for the NASA White Sands Test Facility Hazardous Waste Permit No. NM8800019434*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022p, November 16). *Approval with Modifications Revised First TDRSS (Tracking and Data Relay Satellite System) Diesel Release (SWMU 50) Investigation Report and Risk Screen Evaluation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2022q, November 16). *Approval with Modifications Revised Small Arms Firing Ranges (SWMU 29-31) Remedy Completion Report and Risk Assessment Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023a, February 10). *Approval 700 Area Closure (SWMU 49) Phase I Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023b, February 10). *Approval with Modifications 600 Area Bureau of Land Management Off-site Soil Pile (SWMU 16) Accelerated Corrective Measures Work Plan*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023c, March 1). *Approval with Modifications 500 Area Fuel Storage (SWMU 47) Investigation Work Plan: Phase I*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023d, March 16). *Approval with Modifications Revised WSTF Septic Tanks (SWMU 21-27) Investigation Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023e, March 30). *Approval Second Request for Extension of Time NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report I(IR) Response to Disapproval*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023f, March 30). *Approval Second Request for Extension of Time NASA White Sands Test Facility (WSTF) 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response to Disapproval*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023g, April 27). *Hazardous Waste Permit No. NM8800019434*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023h, May 2). *Approval with Modifications 400 Area Closure Investigation Report - Revision 3*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023i, May 10). *Approval Request for Extension of Time for Submittal of the Completion Report for Installation of Monitoring Well 600C-001-GW*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023j, May 10). *Approval Request for Second Extension of Time for Second Tracking and Data Relay Satellite Ground Terminal (STGT) Wastewater Lagoons Closure (Area of Concern 51) Investigation Report Response to Disapproval*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023k, May 10). *Approval Request for Third Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023l, May 23). *Approval with Modification Abbreviated Drilling Work Plan for the Installation of Monitoring Wells in the WSTF 100 and 600 Areas*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023m, June 28). *Approval with Modifications 600 Area Perched Groundwater Investigation Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023n, August 17). *Approval Request for Third Extension of Time for NASA White Sands Test Facility 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response to Disapproval.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023o, September 14). *Approval of Third Extension Request of Time for STGT Wastewater Lagoons IR.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023p, October 4). *Approval for Fourth Extension of Time Request for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023q, October 4). *Approval of Second Extension of Time Request for Submittal of the Completion Report for Monitoring Well 600C-001-GW*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023r, October 25*). Approval Request for Fourth Extension of Time for NASA White Sands Test Facility 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report Response to Disapproval.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023s, October 31). *Denial of Request for NMED Concurrence to Submit Permit Modification for the 500 Area Fuel Storage Area (SWMU 47*). Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023t, November 1). *Approval of the Expanded Scope Proposed for the 300 Area Supplemental ADWP*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023u, November 1). *Approval Request for Fourth Extension of Time for 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report Response to Disapproval.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023v, November 1). *Approval with Modifications for the 200 Area HWTL (SWMU 10) IR and Risk Assessment Report*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023w, November 1). *Approval with Modifications for the 500 Area Oxidizer Burner IWP and HIS*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2023x, November 27). *Approval Drilling Work Plan for Proposed NASA WSTF Well 600C-004-GW*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024a, January 9). *Approval of Fourth Extension of Time Request for NASA White Sands Test Facility (WSTF) 200 Area Wastewater Lagoons Closure (SWMU 8) Investigation Report (IR) Response to Disapproval.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024b, January 10). *Fee Assessment for the 600 Area Perched Groundwater Phase II Abbreviated Investigation Work Plan (NMED Invoice Number HWB-NASA-23-021).* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024c, January 19). *Approval with Modifications of NASA WSTF 300 Area Test Stand 302 Cooling Water Pond (SWMU 33) Investigation Work Plan (IWP) and Historical Information Summary (HIS).* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024d, February 6). *Approval of the Abandonment Report for Well BLM-28.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024e, February 6*). Disapproval of the Groundwater Data Representativeness Phase 2: Water FLUTe Well Evaluation Abbreviated Investigation Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024f, March 22). *Approval Request for Fifth Extension of Time for 100 Area Wastewater Lagoons Closure (SWMU 2) Investigation Report Response to Disapproval.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024g, April 18). *Approval with Modifications 200 and 600 Area Vapor Intrusion Assessment Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024h, May 16). *Approval Request for Extension of Time for Submittal of NASA WSTF 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report - First Quarter 2024.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024i, July 31). *Approval Request for Extension of Time for Submittal of NASA White Sands Test Facility (WSTF) Response to the Disapproval of Reconfiguration Report for Well BW-4.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024j, July 31). *Approval Request for Second Extension of Time for Submittal of NASA WSTF 400 Area Supplemental Groundwater and Soil Vapor Monitoring Report - First Quarter 2024.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024k, July 31). *Approval Request for Extension of Time for NASA White Sands Test Facility (WSTF) 600 Area Bureau of Land Management Off-site Soil Pile (SWMU 16) Remedy Completion Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024l, July 31). *Approval with Modifications 700 Area Landfill Closure (SWMU 49) Phase II Abbreviated Investigation Work Plan*. Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024m, September 3). *Administratively Incomplete Petition for Corrective Action Status Review White Sands Test Facility SWMUS 21-27, 30, and 31.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024n, November 5). *Approval 600 Area Perched Groundwater Phase II Abbreviated Investigation Work Plan.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2024o, December 9). *Disapproval 600 Area Wastewater Lagoons Closure (SWMU 34) Investigation Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2025a, February 3). *Corrective Action Projects: Proposal to Restructure Priorities and Schedule National Aeronautics and Space Administration.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2025b, July 2). *Approval First Request for Extension of Time of 600 Area Perched Groundwater Phase II Investigation Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2025c, July 2). *Approval First Request for Extension of Time Well Completion Report for Monitoring Well 600C-003-GW.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2025d, July 2). *Approval First Request for Extension of Time Well Completion Report for Monitoring Well 600C-004-GW.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2025e, July 2). *Approval Request for Extension of Time for Submittal of 300 Area Test Stand 302 Cooling Water Pond (SWMU33) Investigation Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2025f, July 2). *Approval Request for Extension of Time for Submittal of 700 Area Landfill (SWMU 49) Phase II Investigation Report.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2025g, July 2). *Conditional Approval Request for Fifth Extension of Time for Submittal of the Completion Report for Monitoring Well BLM-30 Abandonment and Installation of Replacement Monitoring Well BLM-43.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2025h, July 17). *Approval Request to Indefinitely Defer Submittal of the Completion Report for Monitoring Well 600B-001-GW.* Santa Fe, NM.

NMED Hazardous Waste Bureau. (2025i, July 17). *Approval Request to Indefinitely Defer Submittal of the Completion Report for Monitoring Well 600C-001-GW.* Santa Fe, NM.