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July 30, 2025

Reply to Attn of: RE-25-106

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Subject: NASA WSTF Periodic Monitoring Report – Second Quarter 2025

Enclosed is the NASA WSTF Periodic Monitoring Report (PMR) for the second 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 February 1, 2025 and April 30, 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-79) 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 (July 2024 to June 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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5 Enclosures

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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 February 1, 2025 and April 30, 2025. The data were processed through the WSTF data management system during the second 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.

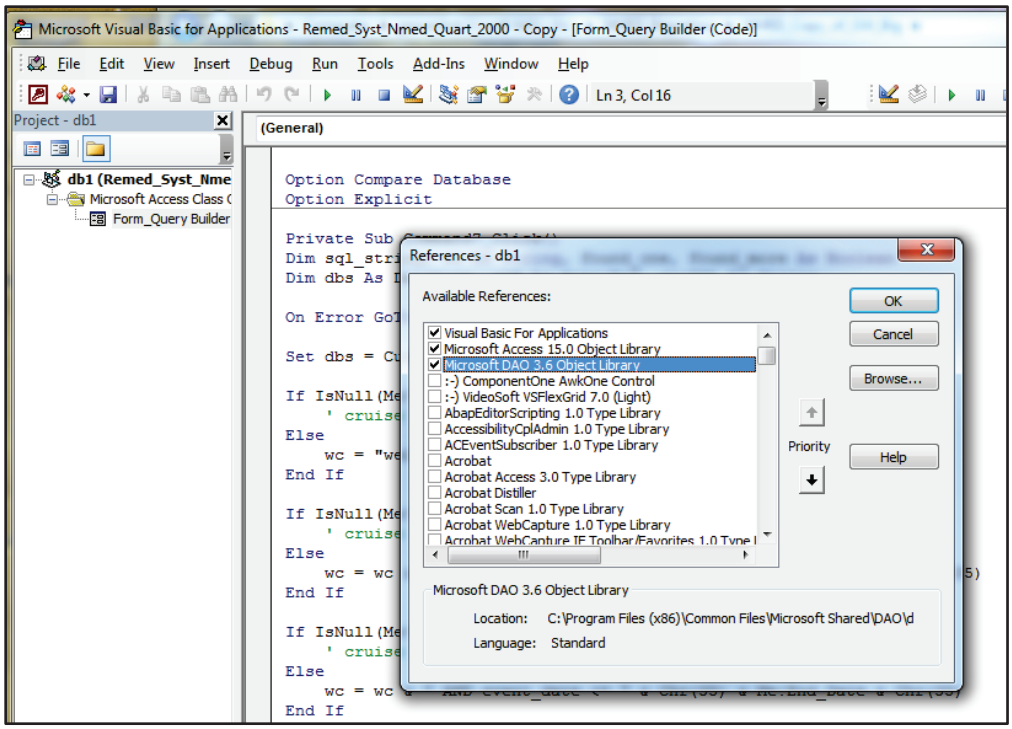
NASA's groundwater monitoring objectives are discussed in more detail in the applicable sections of this report. It is recommended that groundwater monitoring continue in accordance with the Groundwater Monitoring Plan (NASA, 2024b). NASA also recommends that groundwater corrective action operations 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:

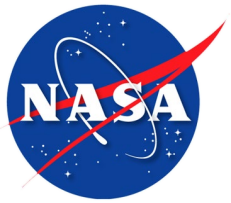
    - Visual Basic for Applications
    - Microsoft Access 15.0 Object Library
    - Microsoft DAO 3.6 Object Library

    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.

National Aeronautics and Space Administration



NASA WSTF Periodic Monitoring Report for Second Quarter 2025

July 2025

NM8800019434

NASA WSTF Periodic Monitoring Report for Second Quarter 2025

Reporting Period: February 1, 2025 through April 30, 2025

Report Deadline: July 31, 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.

Timothy Davis Digitally signed by Timothy Davis Date: 2025.07.30 12:26:53 -06'00'

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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:

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- Information related to the development and implementation of source area investigations and, where applicable, related corrective actions.
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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.

The use of trademarks or names of manufacturers is for accurate reporting and does not constitute an official endorsement either expressed or implied of such products or manufacturers by the National Aeronautics and Space Administration.

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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
GMR	Groundwater Magnetic Resonance
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 second quarter of 2025. Between February 1, 2025 and April 30, 2025, groundwater samples were collected at 73 groundwater monitoring wells or zones (127 sample events), eight PFTS sampling locations (12 sample events), and six MPITS sampling locations (10 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 81 of 89 days during the reporting period at an average flow rate of 804 gallons per minute (gpm) while running. Approximately 255 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 58 of 89 days during the reporting period, treating approximately 1.62 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, 2024b). 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 performed at wells 200-B-240, 300-A-170, and BLM-3-182 during the reporting period.

In addition to the inorganic constituents that are characteristic of regional groundwater, NASA observed eight new detections of site groundwater contaminants. NASA also observed many new PFAS detections in several monitoring wells sampled in accordance with Section 11.2 of the approved GMP. Many of the PFAS detections were accepted as indicated in Table 3.2, while others require follow-on sampling as indicated in Table 3.3. Though NASA continues with a program to replace Teflon-containing sampling equipment with PFAS-free components, many groundwater monitoring wells at WSTF are currently equipped with sampling equipment comprised partly or wholly of Teflon, which may be contributing to the widespread detections of PFAS compounds. To thoroughly evaluate detections of PFAS in groundwater, NASA expects to submit an investigation work plan for PFAS at WSTF in the third quarter of 2025 (see also Section 6.4.17). 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 NDMA, bromacil, perchlorate, Freon 11, and di-n-butyl phthalate 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.

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, 149 groundwater monitoring wells or zones and 12 PFTS and 10 MPTIS sampling locations were sampled between February and April 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 April 22, 2025 and April 23, 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.

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

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.

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 second 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

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

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 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).

NASA shut down the PFTS for planned periodic maintenance of the UV photolysis reactor and the replacement of an air stripper blower/motor between May 5 and 15, 2025. Operational records indicate that the PFTS was intermittently offline for brief periods during June 2025 while work was being conducted to troubleshoot and repair a fault with the system air compressor. System availability statistics, which exclude scheduled shutdowns for planned maintenance, indicate the system was operational for 97% of April, 85% of May, and 79% of June 2025. Average operating flow rates for the PFTS were 810 gpm for April, 804 gpm for May, and 809 gpm for June 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 Plume Front extraction (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. In March 2025, NASA adjusted the operational flow rate for PFE-4A to reduce pressure at the well head. PFE-4A ran at 77% of its 200-gpm design flow rate during the reporting period. 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. Well PFI-1 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 May 1, 2024 and April 31, 2025. During this 12-month period, the PFTS removed approximately 22.8 kilograms (kg) of TCE, 17.2 kg of Freon®[3] 647.6 grams (g) of PCE, and 202.1 g of NDMA.

The contaminant mass removal was calculated as follows:

$$\textit{Mass Removal} = \textit{Total Volume Treated} \times (\textit{Influent Concentration} - \textit{Effluent Concentration})$$

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.

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

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 five 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.

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 100% of April, 100% of May, and 98% of June 2025. Average operating flow rates for the MPITS were 8.0 gpm for April, 8.1 gpm for May, and 6.7 gpm for June 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 started producing excessive sediment and fine iron oxide particles in a previous reporting period and as a result, NASA took the well offline on October 25, 2022. A camera log of well MPE-8 performed on October 26, 2022 showed that the carbon steel casing and well screen is encrusted with iron tubercles and would require rehabilitation before the well could potentially be reactivated. As a means of supplementing contaminant mass removal, NASA is planning to activate exploration wells MPE-3 and MPE-4 as indicated in the *Remediation System Monitoring Plan Annual Update for 2024* (NASA, 2024d). NASA initiated the project to activate these two wells in the first quarter of 2025. Pumps, motors, and surface equipment were delivered to WSTF in April 2025 and NASA began system assembly and testing. During May and June 2025, NASA assembled all downhole components, constructed the solar panels to provide electrical power, installed and tested all pumping equipment, and configured and tested flow meters and automatic shutoff devices. NASA expects to mobilize tanker trailers to the two wells and initiate daytime pumping in July 2025.

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 wells 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 May 1, 2024 and April 31, 2025. Approximately 1.027 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:

Mass Removal =
Volume of Water Extracted at Each Well x (Contaminant Concentration at Each Well – 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 May 1, 202 to April 30, 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 (November 1, 2024 through January 31, 2025) and current (February 1, 2025 through April 30, 2025) reporting periods. In February 2025, NASA was unable to sample Water FLUTe interval WW-4-419 because the water level appears to have dropped below the sample interval. NASA will monitor the water level at this sampling interval and collect samples if adequate groundwater is available to provide representative samples. In April 2025, NASA postponed sampling at well 600-G-138 so groundwater sampling could be performed in conjunction with scheduled soil vapor sampling in the area to support ongoing perched groundwater investigations during May 2025. 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 first quarter of 2025, though NASA completed abandonment fieldwork at well PFI-1 and provided the abandonment report for NMED review on May 8, 2025 (NASA, 2025h). 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 second 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 second 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 second 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 second 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. Each T-C trend evaluation places emphasis on the most recent quarterly analytical results 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 the older wells at WSTF 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.

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 quarterly sampling events (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 that represents 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 influential criteria before any modifications to the existing T-C plot interpretations are made, including:

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

Most 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, two monitoring wells were assigned increasing trends. 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" and multiport monitoring well ST-7-544 (Plume Front Well Group, western leading edge of plume) is characterized as having a "pumping-related 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 specific wells are also provided as attachments 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 detections in groundwater for this reporting period; However, detections of NDMA low level at 0.40 nanograms per liter (ng/L) was reported in well 100-F-358 (also identified in the field blank). Wells 100-G-223, 300-F-175, and NASA 3 were classified as not detected (ND), and well 100-F-358 was classified as having low-level NDMA detections between the detection limit of 0.34 ng/L and <4.9 ng/L.

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 49 µg/L in 2025. NDMA in groundwater is typically 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 vast 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 (T-C plot provided) 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 flat (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 flat 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 have been 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 T-C plots for wells BLM-21-400, BLM-26-404, BLM-36-350, BLM-18-430, and BLM-5-527 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, BLM-18-430, and BLM-5-527 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 wells BLM-26-404 and BLM-18-430 show 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). Well BLM-5-527 is interpreted to have had a long-term "natural migration – increasing T-C" trend since 2009. This is supported by NASA's ongoing statistical evaluation of contaminant concentrations that show increasing trends for Freon 11, TCE, and NDMA. Increases in well BLM-5-527 may reflect the migration of contaminants into low conductivity rhyolite bedrock near the leading edge of the northwest-trending arm. Although the flow of contaminant mass to the northwest arm was arrested following MPITS startup, COC mass already present within the arm may still be migrating into this location.

Main Plume Well Group: Wells in this group are located within the western section of the groundwater plume at the Plume Front and show widespread 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. One monitoring well (PL-6) was classified as "Fluctuating Low-Level NDMA Detection (>4.9 µg/L)" for this quarter with a concentration of 4.99 µg/L (J and EB Flags). 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: increasing trend of one or more primary COCs" for this quarter. The latest concentration for TCE is 6.2 µg/L (above the TCE cleanup level of 5.0 µg/L for the first time) and the trend in this well is under 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 (PL-11) was classified as "Fluctuating Low-Level NDMA Detection (>4.9 µg/L)" for this quarter with a concentration of 6.14 µg/L (A, RB and EB 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 second calendar quarter of 2025; April 1 – June 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. NASA performed a wide-area soil vapor survey in the 200 and 600 Areas to assess the potential risk to workers posed by soil vapor intrusion into the buildings adjacent to areas with the greatest soil vapor concentrations. NMED approved NASA's report on the assessment with modifications that NASA addressed. During the first quarter of 2025, activities related to this area included:

- 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 first 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). 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. Soil vapor resampling was performed on February 19, 2025. The results were received and provided to NMED on April 7, 2025 (NASA, 2025c).

6.4.3 400 Area

NASA prepared and submitted the *400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – Third Quarter 2024* on February 25, 2025 (NASA, 2025a). A component of the soil vapor samples from the fourth monitoring event performed on December 12, 2024 exceeded 30-day holding times at the contracted analytical laboratory due to rolling power outages in California in January 2025. NASA received and reviewed the soil vapor analytical results for fourth quarter 2024 soil vapor sampling and submitted the *400 Area Supplemental Groundwater and Soil Vapor Monitoring Report – Fourth Quarter 2024*, on May 29, 2025 (NASA, 2025i).

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 second quarter of 2025, activities related to this SWMU included:

- NASA extracted approximately 485 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 prepared and submitted the *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report – Project Year 12* on April 28, 2025 (NASA, 2025d).

- Late in the first quarter of 2025, NASA began project planning for Phase IIa 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 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, 2025i).
- 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* (February 19, 2025; NMED, 2025b).

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 second 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 second 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)

NASA is performing a multi-part investigation of the 600 Area BLM Off-Site Pile and has addressed NMED comments on several investigation-related documents. Activities in the second quarter of 2025 were:

- 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 second 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 second 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)

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, 2025e). 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 second quarter of 2025. Complete information on the SWMU is provided in Appendix F.

6.4.12 SWMU 49 (700 Area Landfill)

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, 2025f). 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 second 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 second quarter of 2025, NMED continued reviewing the *500 Area Former Oxidizer Burning (SWMU 52) Investigation Report*, submitted to NMED on July 25, 2024 (NASA, 2024e).

6.4.16 Dye Tracer Test Investigation

Activities during the second quarter of 2025 included the following:

- NASA submitted the *Corrective Action Projects; Proposal to Restructure Priorities and Schedule* on December 13, 2024 (NASA, 2024m), in which an alternate well installation schedule was proposed. NMED responded to that recommendation with direction for NASA to submit a request for extension of time for submittal of the final investigation report (NMED, 2025a). NASA submitted 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, 2025g).

6.4.17 Per- and polyfluoroalkyl substances

Based on the results of per- and polyfluoroalkyl substances (PFAS) Preliminary Assessment (PA) performed by a NASA Headquarters contractor, NASA continued developing plans to perform additional investigation fieldwork consisting of groundwater and soil sampling, as well as the installation of two conventional groundwater monitoring wells. NASA submitted the *Abbreviated Drilling Work Plan for the Installation of Monitoring Wells in the WSTF 100 and 600 Areas (Proposed Monitor Wells for PFAS Assessment)* on April 13, 2023 (NASA, 2023a). NMED approved the work plan with modifications on May 23, 2023 (NMED, 2023c) and directed NASA to address four NMED comments and submit a revised work plan no later than August 31, 2023. NASA submitted the *Response to Approval with Modifications Abbreviated Drilling Work Plan for the Installation of Monitoring Wells in the WSTF 100 and 600 Areas* on June 12, 2023 (NASA, 2023b). NASA performed fieldwork in accordance with the plan in July through September 2023 and submitted the *NASA White Sands Test Facility (WSTF) Well Completion Report for PFAS Site Investigation Well Completion Summary Report* on March 29, 2024 (NASA, 2024a). NMED approved the report with modifications on November 5, 2024, and directed NASA to address a comment and submit a revised report no later than January 31, 2025 (NMED, 2024a). NASA provided NMED the *WSTF PFAS Preliminary Assessment Report and WSTF PFAS Site Investigation Report* as an enclosure to the *Response to Approval with Modifications NASA WSTF Periodic Monitoring Report – Fourth Quarter 2023* on November 25, 2024 (NASA, 2024k). NMED reviewed the site inspection report and provided informal comments on February 6, 2025. NMED provided 16 comments regarding additional PFAS investigation requirements. NASA is evaluating NMED's comments and developing an investigation work plan for additional site assessment for PFAS at WSTF that will be submitted for NMED review in the third quarter of 2025.

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 was an unresolved mechanical or well performance issue at groundwater monitoring well WW-4-419 in the data reporting period (February 1 through April 30, 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).

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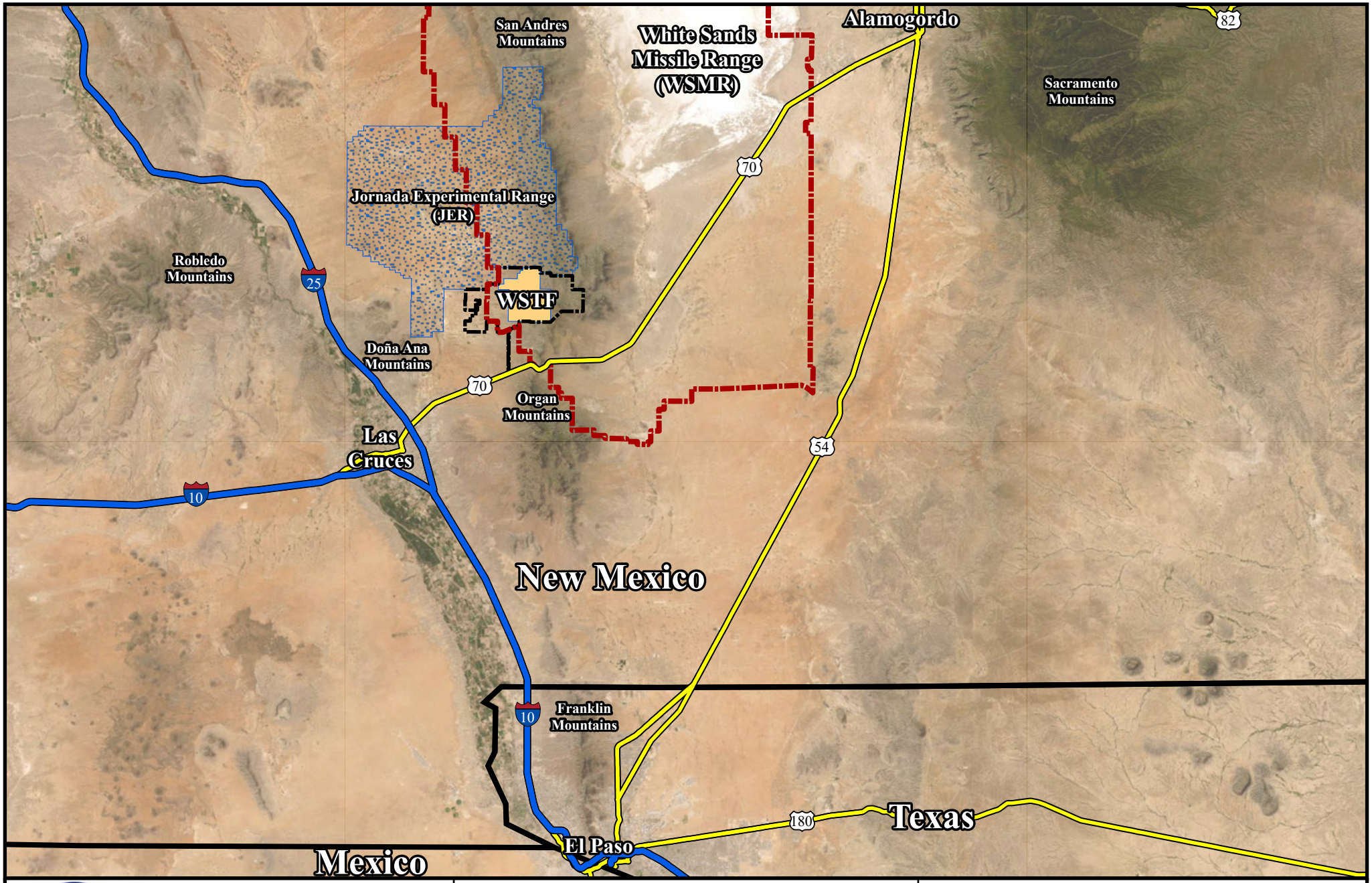
Figures

Figure 1.1 **WSTF Location Map**

(SEE NEXT PAGE)



N
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1:750,000

July 2025

0 6 12 24 Miles

- 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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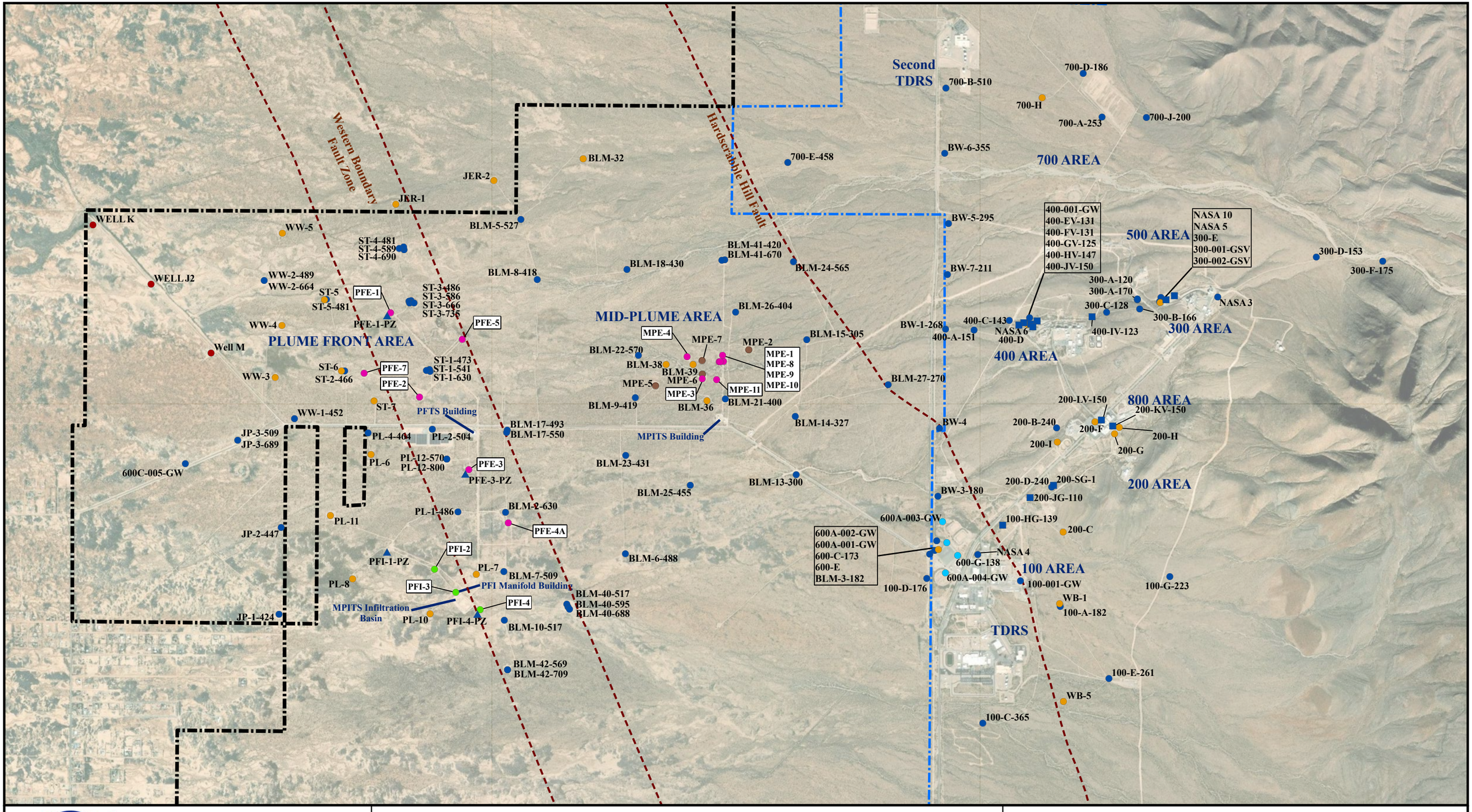

WSTF Well Location Map

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

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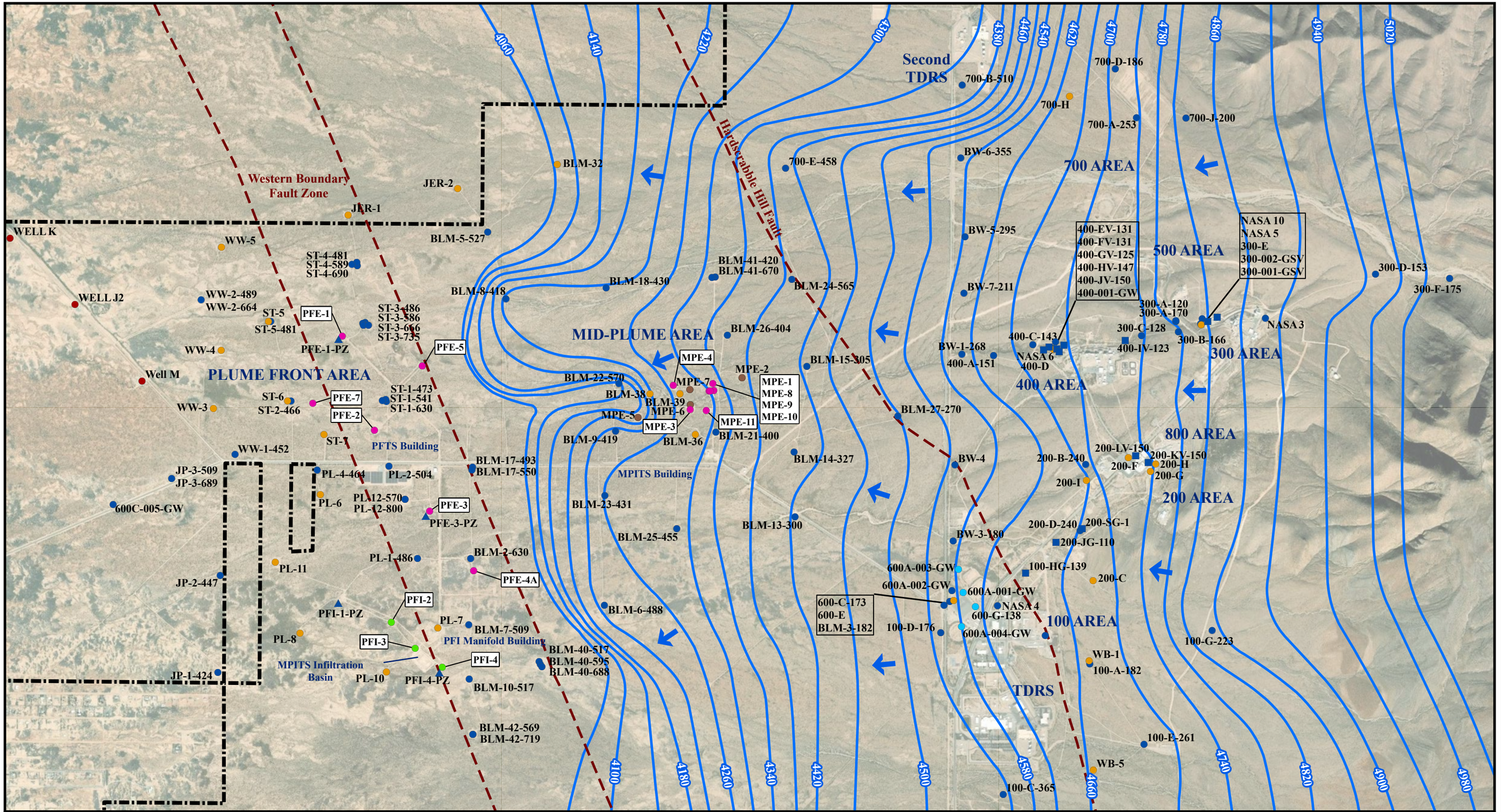

NASA

0 1,250 2,500 5,000 Feet

0 0.25 0.5 1 Miles

N W E S

July 2025

- Conventional Well
- Exploration Well
- Extraction Well
- Injection Well
- Multiport
- Piezometer
- Perched Well
- Production Well
- MSVGM Well
- Fault
- WSTF Boundary
- Groundwater Flow Direction
- 4500 Elevation Contour (feet)

Site-Wide Groundwater Elevations for Second 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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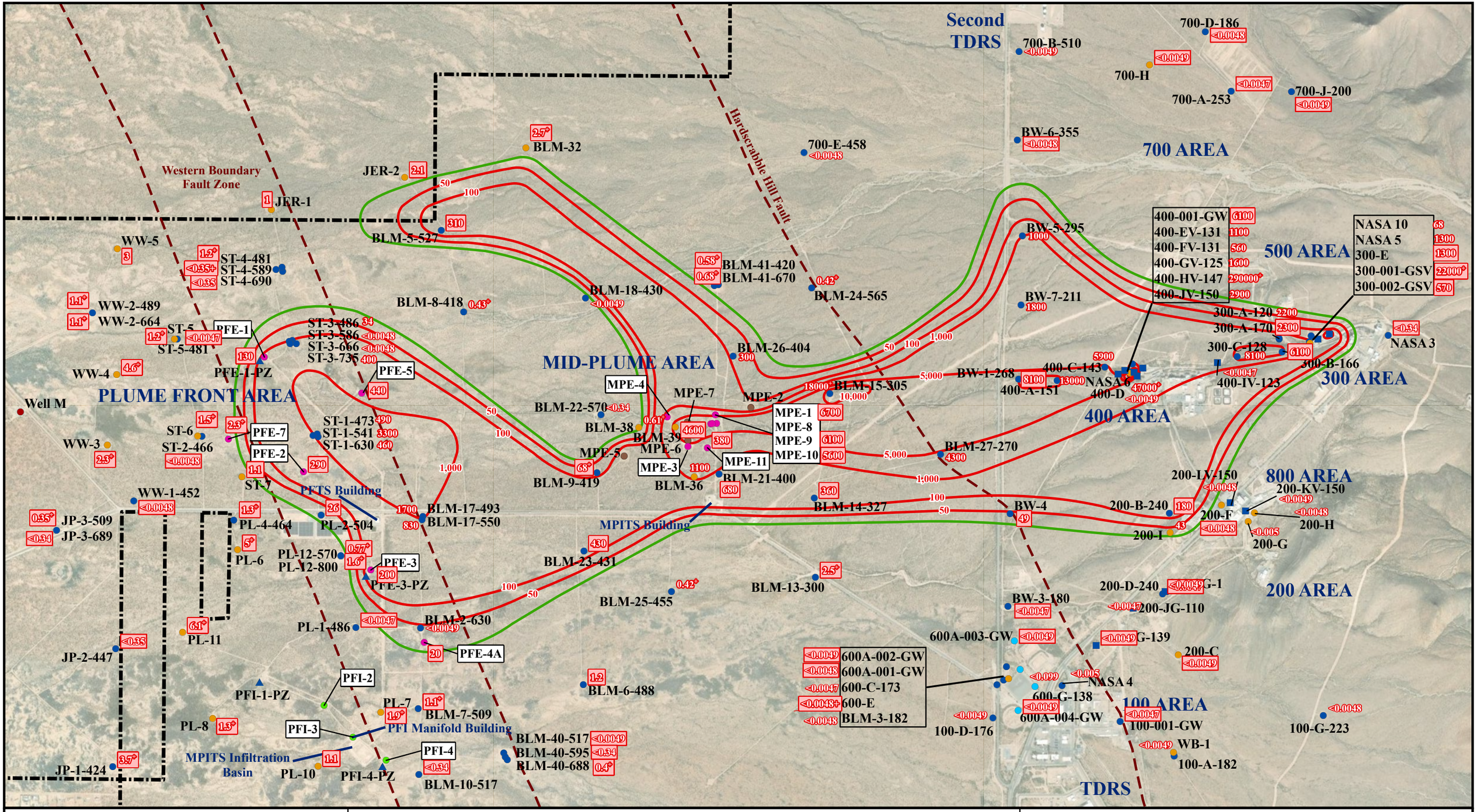

NDMA Maximum Concentrations in Groundwater for Second Quarter 2025

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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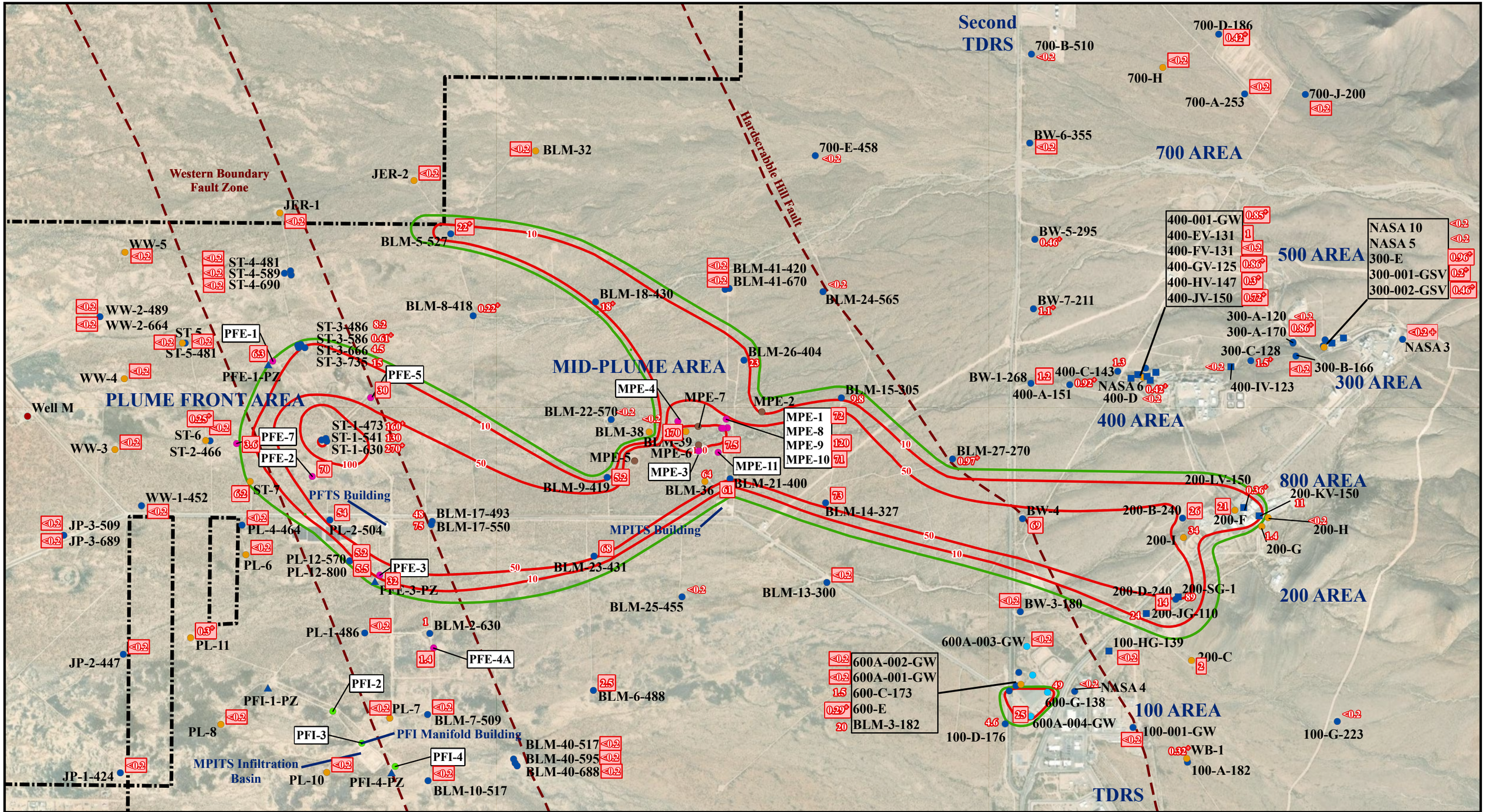
Second TDRS
700-D-186
0.42+
700-B-510
<0.2
700-H
<0.2
700-A-253
<0.2
700-J-200
<0.2
BW-6-355
<0.2
700 AREA
Western Boundary Fault Zone
JER-2
<0.2
BLM-32
<0.2
700-E-458
<0.2
Hardscrabble Hill Fault
JER-1
<0.2
BLM-5-527
22+
10
BW-5-295
0.46+
400-001-GW
400-EV-131
400-FV-131
400-GV-125
400-HV-147
400-JV-150
0.85+
1
<0.2
0.86+
0.5+
0.72+
500 AREA
NASA 10
NASA 5
300-E
300-001-GSV
300-002-GSV
<0.2
<0.2
0.96+
0.2+
0.45+
WW-5
<0.2
ST-4-481
ST-4-589
ST-4-690
<0.2
<0.2
<0.2
BLM-41-420
BLM-41-670
<0.2
<0.2
BLM-24-565
<0.2
BLM-18-430
18+
BLM-8-418
0.22+
BW-7-211
1.1+
WW-2-489
WW-2-664
<0.2
<0.2
ST-5
ST-5-481
<0.2
<0.2
PFE-1
6.3
ST-3-486
ST-3-586
ST-3-666
ST-3-735
3.2
0.61+
4.5
15
PFE-5
30
MID-PLUME AREA
BLM-26-404
23
300-A-120
300-A-170
300-C-128
<0.2
0.86+
1.5+
<0.2+
NASA 3
<0.2
300-B-166
300-IV-123
300 AREA
WW-4
<0.2
PFE-1-PZ
PLUME FRONT AREA
MPE-4
MPE-7
MPE-2
BLM-15-305
9.3
BW-1-268
1.2
400-C-143
1.5
0.92+
NASA 6
0.42+
400-D
<0.2
400-A-151
Well M
0.25+
<0.2
ST-6
ST-2-466
PFE-7
3.6
PFE-2
70
ST-1-473
ST-1-541
ST-1-630
160+
130
270+
100
50
BLM-22-570
<0.2
<0.2
BLM-38
170
BLM-39
MPE-1
MPE-8
MPE-9
MPE-10
72
120
71
MPE-5
MPE-6
MPE-3
0
7.5
64
MPE-11
BLM-27-270
0.97+
400 AREA
WW-3
<0.2
BLM-9-419
5.2
BLM-36
61
BLM-21-400
73
200-LV-150
0.36+
800 AREA
200-KV-150
11
WW-1-452
<0.2
ST-7
6.2
PFTS Building
54
43
75
BLM-17-493
BLM-17-550
BLM-14-327
BW-4
69
200-B-240
26
21
200-F
1.4
200-H
<0.2
200-G
200-I
34
JP-3-509
JP-3-689
<0.2
<0.2
PL-4-464
<0.2
PL-6
PL-12-570
PL-12-800
5.2
5.5
PFE-3
32
PFE-3-PZ
50
10
BLM-23-431
63
MPITS Building
BLM-13-300
<0.2
BLM-25-455
<0.2
200-D-240
200-SG-1
200-JG-110
14
89
24
200 AREA
<0.2
BW-3-180
0.5+
PL-11
PL-1-486
<0.2
1
BLM-2-630
1.4
PFE-4A
600A-003-GW
<0.2
100-HG-139
<0.2
200-C
2
JP-2-447
<0.2
PFI-2
PFI-1-PZ
2.5
BLM-6-488
<0.2
600A-002-GW
600A-001-GW
600-C-173
600-E
BLM-3-182
1.5
0.29+
20
49
<0.2
NASA 4
600-G-138
100 AREA
PL-7
<0.2
BLM-7-509
<0.2
PL-8
<0.2
PFI-3
PFI Manifold Building
PFI-4
BLM-40-517
BLM-40-595
BLM-40-688
<0.2
<0.2
<0.2
25
4.6
600A-004-GW
100-D-176
100-001-GW
<0.2
100-G-223
<0.2
0.32
WB-1
100-A-182
JP-1-424
<0.2
MPITS Infiltration Basin
PL-10
<0.2
PFI-4-PZ
BLM-10-517
<0.2
TDRS
1 in = 1,600 ft
0
1,600
3,200
Feet
N
W
E
S
July 2025
Conventional Well
Exploration Well
Extraction Well
Injection Well
Multiport
Piezometer
Perched Well
Production Well
MSVGM Well
Fault
WSTF Boundary
10 Equiconcentration Line (ug/L)
TCE Cleanup Level (5.0 ug/L)
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 Second 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

(SEE NEXT PAGE)

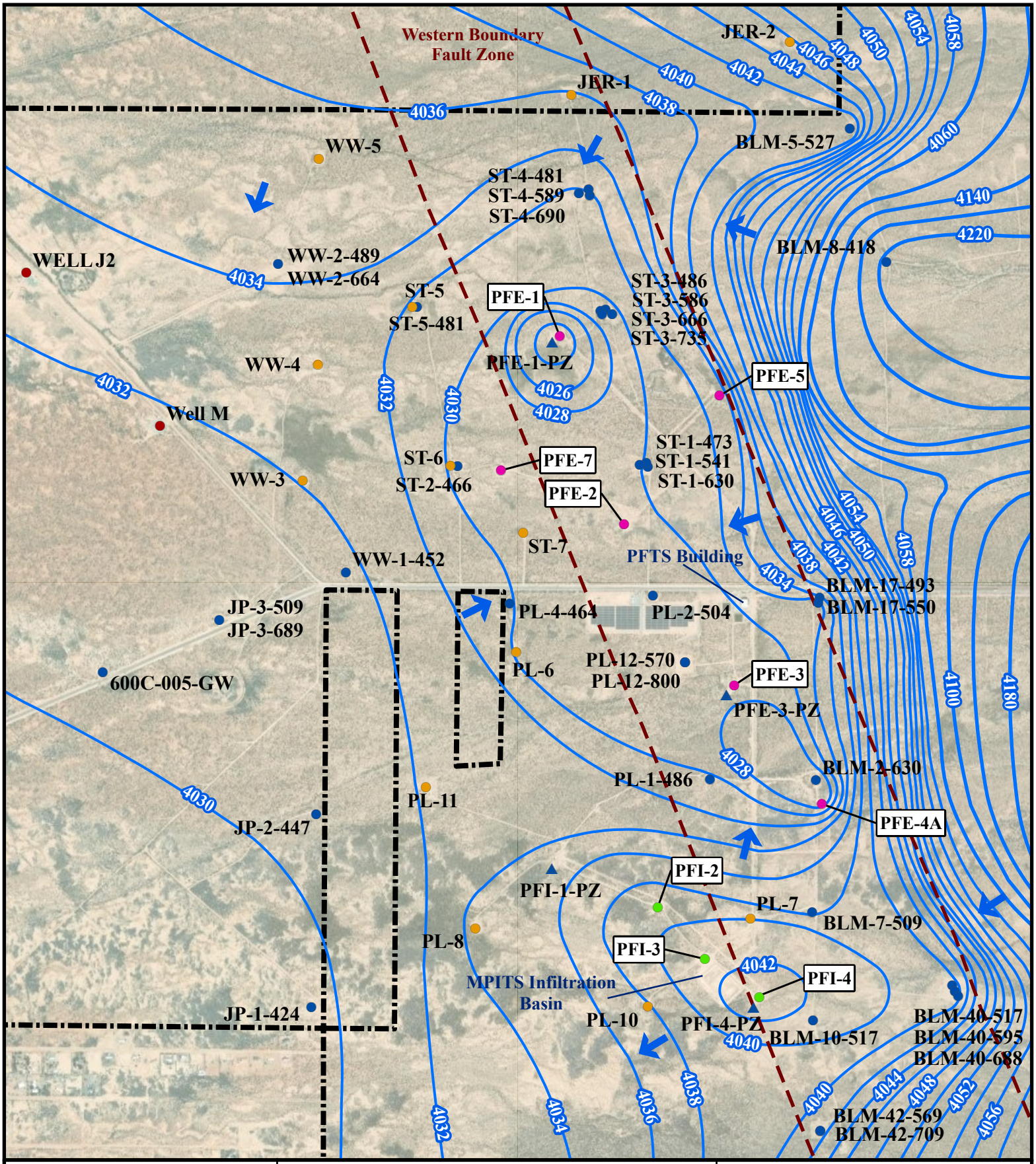
Western Boundary Fault Zone
JER-2
JER-1
BLM-5-527
WW-5
ST-4-481
ST-4-589
ST-4-690
WELL J2
WW-2-489
WW-2-664
ST-5
ST-5-481
PFE-1
ST-3-486
ST-3-586
ST-3-666
ST-3-735
BLM-8-418
WW-4
RFE-1-PZ
PFE-5
Well M
ST-6
ST-2-466
PFE-7
PFE-2
ST-1-473
ST-1-541
ST-1-630
WW-3
ST-7
PFTS Building
WW-1-452
BLM-17-493
BLM-17-550
JP-3-509
JP-3-689
PL-4-464
PL-2-504
PL-6
PL-12-570
PL-12-800
PFE-3
PFE-3-PZ
600C-005-GW
PL-1-486
BLM-2-630
PL-11
PFE-4A
JP-2-447
PFI-2
PFI-1-PZ
PL-7
BLM-7-509
PL-8
PFI-3
PFI-4
MPITS Infiltration Basin
JP-1-424
PL-10
PFI-4-PZ
BLM-10-517
BLM-40-517
BLM-40-595
BLM-40-688
BLM-42-569
BLM-42-709
4032
4034
4036
4038
4040
4042
4044
4046
4048
4050
4052
4054
4056
4058
4060
4140
4220
4026
4028
4030
4100
4180
N
W
E
S
July 2025
1:16,800
Feet
0
700
1,400
Conventional Well
Extraction Well
Injection Well
Multiport
Piezometer
Production Well
Groundwater Flow Direction
Groundwater Elevation 2 Feet Contour
Groundwater Elevation 40 Feet Contour
WSTF Boundary
Fault
Plume Front Groundwater Elevations for Second 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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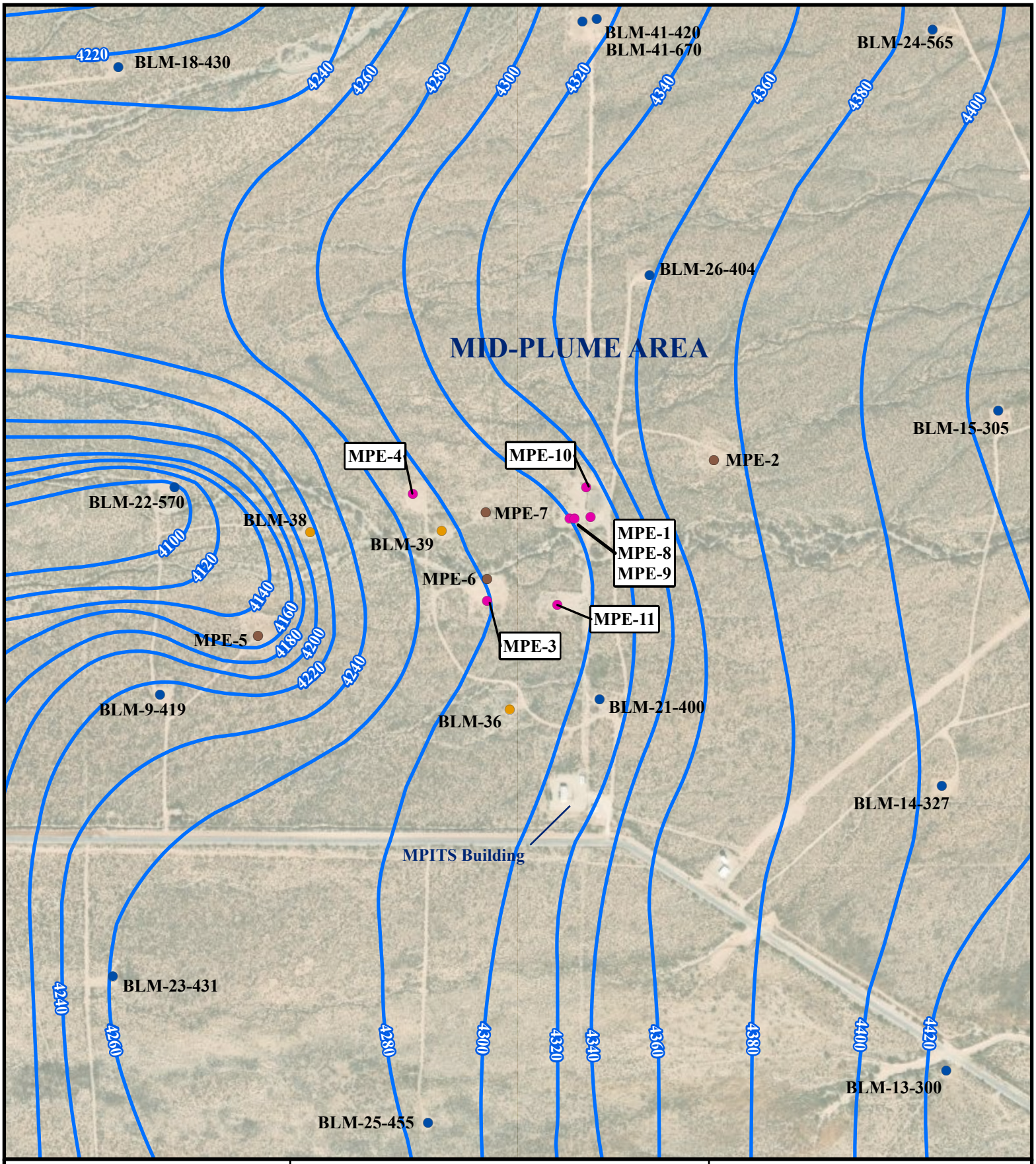
Figure 6.2 Mid-plume Groundwater Elevations for the Reporting Period

(SEE NEXT PAGE)



Mid-Plume Groundwater Elevations for Second 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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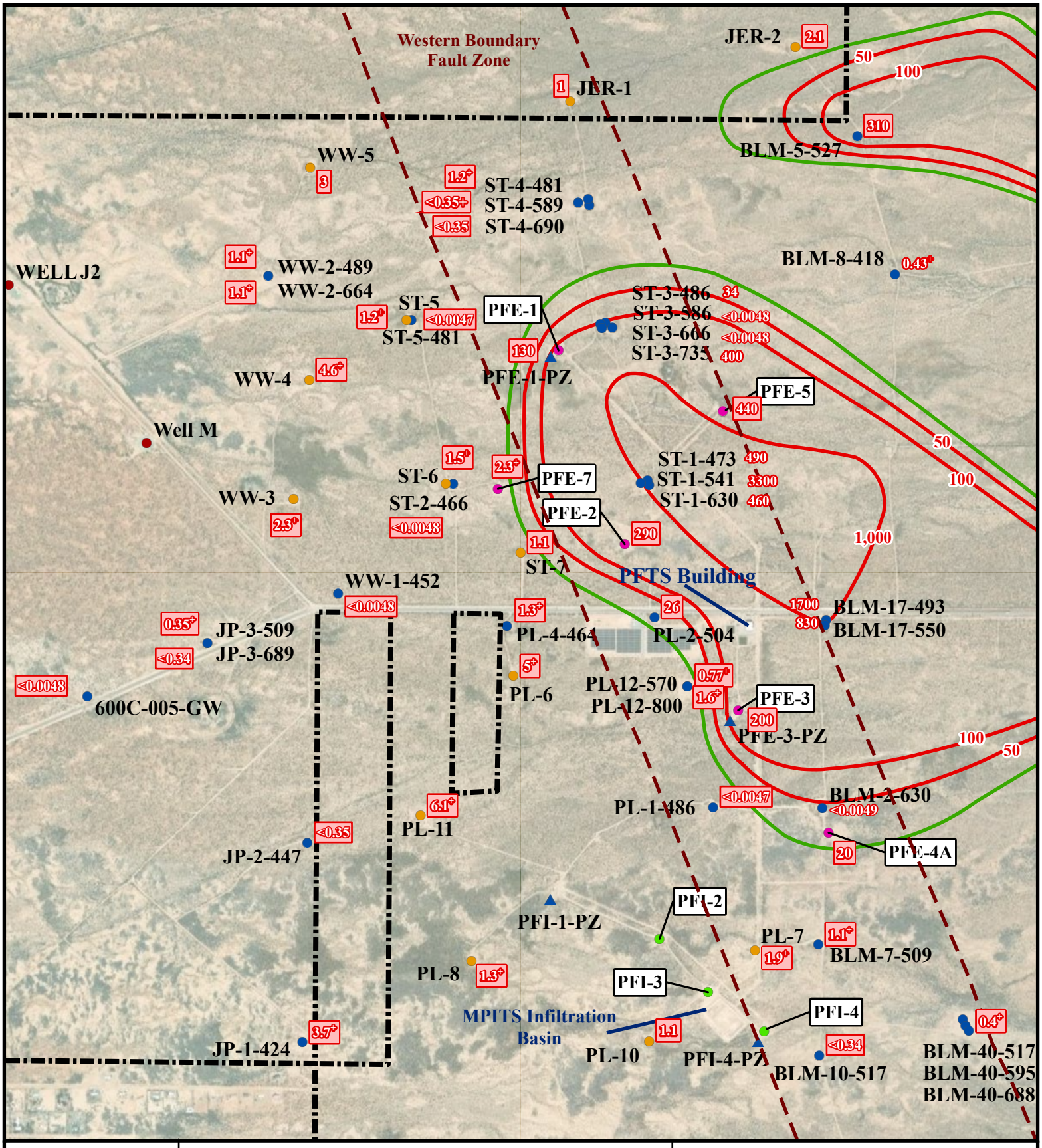
Figure 6.3 NDMA Concentrations at the Plume Front for the Reporting Period

(SEE NEXT PAGE)



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 Second 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

(SEE NEXT PAGE)

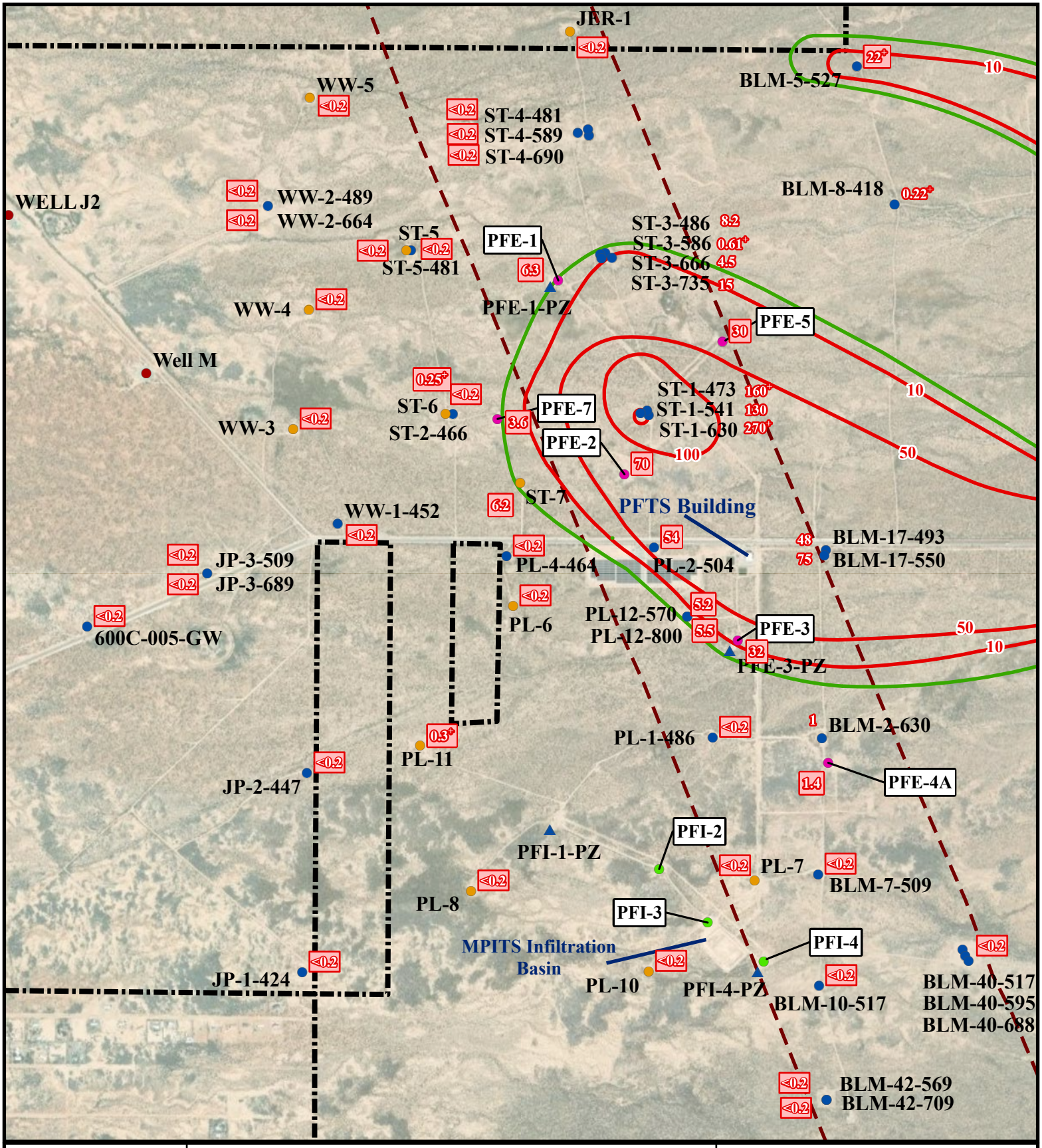
JBR-1
<0.2
WW-5
<0.2
ST-4-481
ST-4-589
ST-4-690
<0.2
<0.2
<0.2
BLM-5-527
22+
10
WELL J2
<0.2
<0.2
WW-2-489
WW-2-664
ST-5
<0.2
<0.2
ST-5-481
PFE-1
6.3
PFE-1-PZ
ST-3-486
ST-3-586
ST-3-666
ST-3-735
8.2
0.61+
4.5
15
BLM-8-418
0.22+
WW-4
<0.2
PFE-5
30
Well M
0.25+
<0.2
ST-6
ST-2-466
WW-3
<0.2
PFE-7
3.6
PFE-2
70
100
ST-1-473
ST-1-541
ST-1-630
160+
130
270+
10
50
ST-7
6.2
WW-1-452
<0.2
PFTS Building
54
PL-4-464
<0.2
PL-2-504
48
75
BLM-17-493
BLM-17-550
<0.2
<0.2
JP-3-509
JP-3-689
<0.2
600C-005-GW
<0.2
PL-6
PL-12-570
PL-12-800
5.2
5.5
PFE-3
32
PFE-3-PZ
50
10
0.5+
PL-11
PL-1-486
<0.2
1
BLM-2-630
1.4
PFE-4A
<0.2
JP-2-447
PFI-1-PZ
PFI-2
<0.2
PL-7
<0.2
BLM-7-509
<0.2
PL-8
PFI-3
MPITS Infiltration Basin
PFI-4
<0.2
<0.2
PL-10
PFI-4-PZ
<0.2
BLM-10-517
BLM-40-517
BLM-40-595
BLM-40-688
<0.2
JP-1-424
<0.2
<0.2
BLM-42-569
BLM-42-709
<0.2
NASA
N
W
E
S
July 2025
Feet
0 350 700 1,400
Conventional Well
Extraction Well
Injection Well
Multiport
Piezometer
Production Well
10 Equiconcentration Line (ug/L)
TCE Cleanup Level (5.0 ug/L)
WSTF Boundary
Fault
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 Second 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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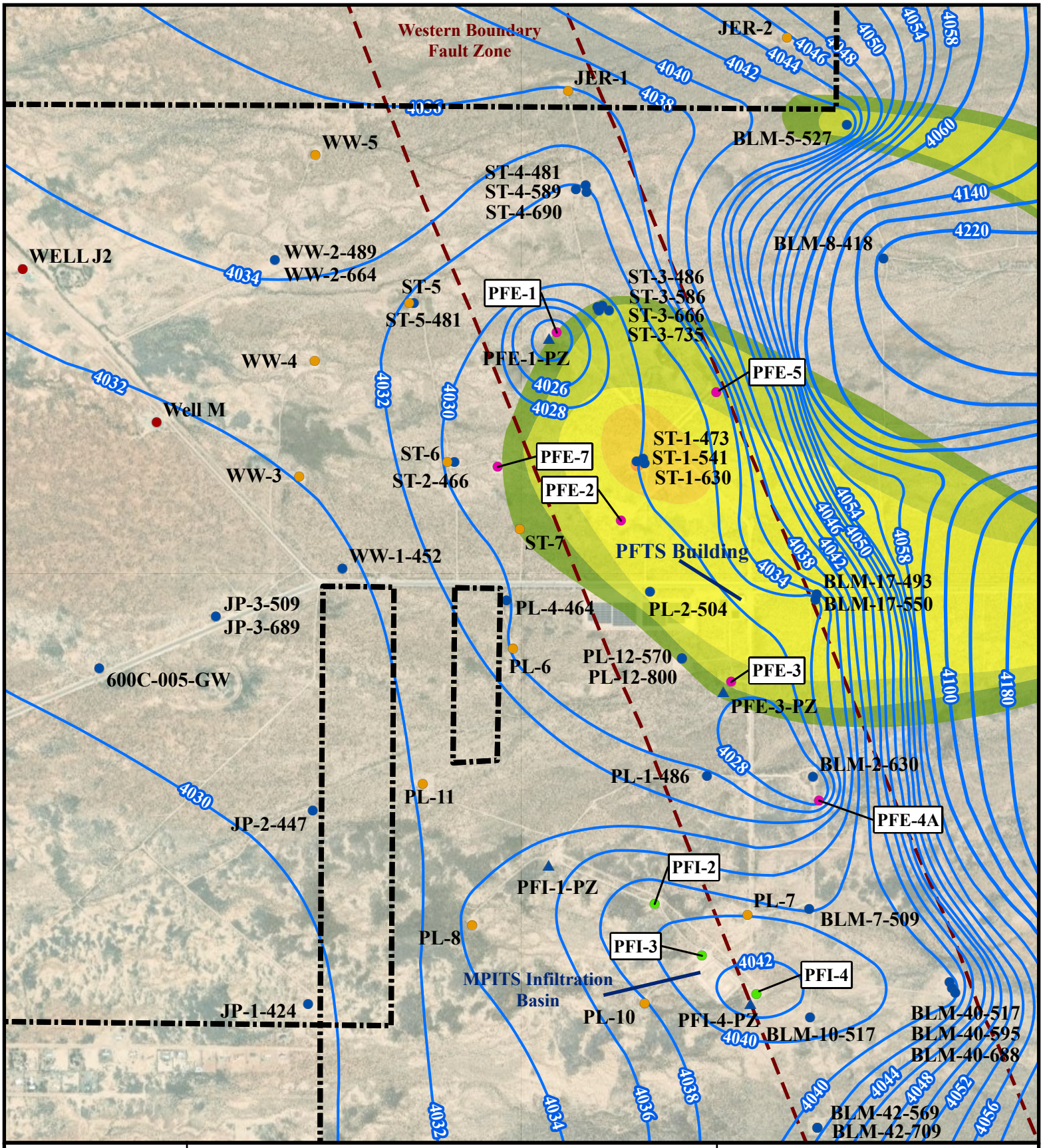
Figure 6.5 TCE Concentrations at the Plume Front for the Reporting Period

(SEE NEXT PAGE)



NASA

N
W E
S

July 2025

0 350 700 1,400 Feet

- Conventional Well
- Extraction Well
- Injection Well
- Multiport
- Piezometer
- Production Well
- Fault
- Groundwater Flow Direction

TCE Concentration (ug/L)

5.0 10 50 100 200

- WSTF Boundary
- 4060 Groundwater Elevation 40 Feet Contour
- 4048 Groundwater Elevation 2 Feet Contour

Plume Front Groundwater Elevations and TCE Concentration for Second 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
100-C-365	375-22-4	PFBA
100-C-365	335-76-2	PFDA
100-C-365	375-85-9	PFHpA
100-C-365	307-24-4	PFHxA
100-C-365	375-95-1	PFNA
100-C-365	335-67-1	PFOA
100-C-365	1763-23-1	PFOS
100-C-365	2706-90-3	PFPeA
100-C-365	2058-94-8	PFUnA
100-D-176	375-22-4	PFBA
100-D-176	375-73-5	PFBS
100-D-176	375-85-9	PFHpA
100-D-176	307-24-4	PFHxA
100-D-176	355-46-4	PFHxS
100-D-176	335-67-1	PFOA
100-D-176	2706-90-3	PFPeA
100-D-176	2706-91-4	PFPeS
200-B-240	375-22-4	PFBA
200-B-240	375-73-5	PFBS
200-B-240	375-85-9	PFHpA
200-B-240	307-24-4	PFHxA
200-B-240	355-46-4	PFHxS
200-B-240	335-67-1	PFOA
200-B-240	1763-23-1	PFOS
200-B-240	2706-91-4	PFPeS
200-D-240	375-22-4	PFBA
200-D-240	375-73-5	PFBS
200-D-240	375-85-9	PFHpA
200-D-240	307-24-4	PFHxA
200-D-240	355-46-4	PFHxS
200-D-240	335-67-1	PFOA
200-D-240	1763-23-1	PFOS
200-F-225	375-22-4	PFBA
200-F-225	307-24-4	PFHxA
200-F-225	355-46-4	PFHxS
200-F-225	335-67-1	PFOA
200-F-225	1763-23-1	PFOS
200-G-175	375-22-4	PFBA
200-G-175	375-85-9	PFHpA
200-G-175	307-24-4	PFHxA
200-G-175	355-46-4	PFHxS

Well ID	CAS Number	Analyte
200-G-175	335-67-1	PFOA
200-G-175	1763-23-1	PFOS
200-H-225	335-67-1	PFOA
BLM-14-327	375-22-4	PFBA
BLM-14-327	307-24-4	PFHxA
BLM-14-327	355-46-4	PFHxS
BLM-14-327	335-67-1	PFOA
BLM-14-327	1763-23-1	PFOS
BLM-3-182	335-76-2	PFDA
BLM-3-182	375-85-9	PFHpA
BLM-3-182	307-24-4	PFHxA
BLM-3-182	375-95-1	PFNA
BLM-3-182	335-67-1	PFOA
BLM-3-182	2706-90-3	PFPeA
BLM-3-182	2058-94-8	PFUnA
WW-1-452	335-76-2	PFDA
WW-1-452	375-95-1	PFNA
WW-1-452	335-67-1	PFOA
WW-1-452	2058-94-8	PFUnA

Table 3.3 Unconfirmed New Detections – Resolution Pending

Well ID	CAS Number	Analyte	Scheduled Resample Date
BLM-8-418	62-75-9	N-Nitrosodimethylamine	5/2/2025
600-C-173	16984-48-8	Fluoride, undistilled	5/9/2025
WB-1-255	7440-38-2	Arsenic, Total	5/23/2025
700-E-458	314-40-9	Bromacil	7/19/2025
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

Well ID	CAS Number	Analyte	Scheduled Resample Date
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
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
200-H-225	375-22-4	PFBA	Pending PFAS IWP
200-H-225	375-85-9	PFHpA	Pending PFAS IWP
600-G-138	375-22-4	PFBA	Pending PFAS IWP
600-G-138	375-73-5	PFBS	Pending PFAS IWP
600-G-138	375-85-9	PFHpA	Pending PFAS IWP
600-G-138	307-24-4	PFHxA	Pending PFAS IWP
600-G-138	355-46-4	PFHxS	Pending PFAS IWP
600-G-138	335-67-1	PFOA	Pending PFAS IWP
600-G-138	2706-90-3	PFPeA	Pending PFAS IWP
BLM-6-488	375-85-9	PFHpA	Pending PFAS IWP
BLM-6-488	307-24-4	PFHxA	Pending PFAS IWP
BLM-6-488	2706-90-3	PFPeA	Pending PFAS IWP
ST-1-541	375-22-4	PFBA	Pending PFAS IWP
ST-1-541	335-76-2	PFDA	Pending PFAS IWP
ST-1-541	307-24-4	PFHxA	Pending PFAS IWP
ST-1-541	355-46-4	PFHxS	Pending PFAS IWP
ST-1-541	375-95-1	PFNA	Pending PFAS IWP
ST-1-541	335-67-1	PFOA	Pending PFAS IWP
ST-1-541	2058-94-8	PFUnA	Pending PFAS IWP

Table 3.4 Unconfirmed Detections Resolved This Reporting Period

Well ID	CAS Number	Analyte	Scheduled Resample Date	Resolution
NASA 3	75-15-0	Carbon Disulfide	2/19/2025	Unconfirmed
NASA 3	62-75-9	N-Nitrosodimethylamine	2/19/2025	Unconfirmed
100-C-365	375-22-4	PFBA	2/24/2025	Confirmed
100-C-365	335-76-2	PFDA	2/24/2025	Confirmed
100-C-365	307-55-1	PFDoA	2/24/2025	Unconfirmed
100-C-365	375-85-9	PFHpA	2/24/2025	Confirmed
100-C-365	307-24-4	PFHxA	2/24/2025	Confirmed
100-C-365	375-95-1	PFNA	2/24/2025	Confirmed
100-C-365	335-67-1	PFOA	2/24/2025	Confirmed
100-C-365	1763-23-1	PFOS	2/24/2025	Confirmed
100-C-365	2706-90-3	PFPeA	2/24/2025	Confirmed
100-C-365	2058-94-8	PFUnA	2/24/2025	Confirmed
100-D-176	375-22-4	PFBA	2/24/2025	Confirmed
100-D-176	375-73-5	PFBS	2/24/2025	Confirmed
100-D-176	375-85-9	PFHpA	2/24/2025	Confirmed
100-D-176	307-24-4	PFHxA	2/24/2025	Confirmed
100-D-176	355-46-4	PFHxS	2/24/2025	Confirmed
100-D-176	335-67-1	PFOA	2/24/2025	Confirmed
100-D-176	2706-90-3	PFPeA	2/24/2025	Confirmed
100-D-176	2706-91-4	PFPeS	2/24/2025	Confirmed
200-B-240	375-22-4	PFBA	2/24/2025	Confirmed
200-B-240	375-73-5	PFBS	2/24/2025	Confirmed
200-B-240	375-85-9	PFHpA	2/24/2025	Confirmed
200-B-240	307-24-4	PFHxA	2/24/2025	Confirmed
200-B-240	355-46-4	PFHxS	2/24/2025	Confirmed
200-B-240	335-67-1	PFOA	2/24/2025	Confirmed
200-B-240	1763-23-1	PFOS	2/24/2025	Confirmed
200-B-240	2706-90-3	PFPeA	2/24/2025	Unconfirmed
200-B-240	2706-91-4	PFPeS	2/24/2025	Confirmed
200-D-240	375-22-4	PFBA	2/24/2025	Confirmed
200-D-240	375-73-5	PFBS	2/24/2025	Confirmed
200-D-240	375-85-9	PFHpA	2/24/2025	Confirmed
200-D-240	307-24-4	PFHxA	2/24/2025	Confirmed
200-D-240	355-46-4	PFHxS	2/24/2025	Confirmed
200-D-240	335-67-1	PFOA	2/24/2025	Confirmed
200-D-240	1763-23-1	PFOS	2/24/2025	Confirmed
200-D-240	2706-90-3	PFPeA	2/24/2025	Unconfirmed

Well ID	CAS Number	Analyte	Scheduled Resample Date	Resolution
200-D-240	2706-91-4	PFPeS	2/24/2025	Unconfirmed
200-F-225	375-22-4	PFBA	2/24/2025	Confirmed
200-F-225	375-73-5	PFBS	2/24/2025	Unconfirmed
200-F-225	307-24-4	PFHxA	2/24/2025	Confirmed
200-F-225	355-46-4	PFHxS	2/24/2025	Confirmed
200-F-225	335-67-1	PFOA	2/24/2025	Confirmed
200-F-225	1763-23-1	PFOS	2/24/2025	Confirmed
200-F-225	2706-91-4	PFPeS	2/24/2025	Unconfirmed
200-G-175	375-22-4	PFBA	2/24/2025	Confirmed
200-G-175	375-73-5	PFBS	2/24/2025	Unconfirmed
200-G-175	375-85-9	PFHpA	2/24/2025	Confirmed
200-G-175	307-24-4	PFHxA	2/24/2025	Confirmed
200-G-175	355-46-4	PFHxS	2/24/2025	Confirmed
200-G-175	335-67-1	PFOA	2/24/2025	Confirmed
200-G-175	1763-23-1	PFOS	2/24/2025	Confirmed
200-H-225	335-67-1	PFOA	2/24/2025	Confirmed
BLM-14-327	375-22-4	PFBA	2/24/2025	Confirmed
BLM-14-327	375-73-5	PFBS	2/24/2025	Unconfirmed
BLM-14-327	375-85-9	PFHpA	2/24/2025	Unconfirmed
BLM-14-327	307-24-4	PFHxA	2/24/2025	Confirmed
BLM-14-327	355-46-4	PFHxS	2/24/2025	Confirmed
BLM-14-327	335-67-1	PFOA	2/24/2025	Confirmed
BLM-14-327	1763-23-1	PFOS	2/24/2025	Confirmed
BLM-14-327	2706-90-3	PFPeA	2/24/2025	Unconfirmed
BLM-3-182	335-76-2	PFDA	2/24/2025	Confirmed
BLM-3-182	375-85-9	PFHpA	2/24/2025	Confirmed
BLM-3-182	307-24-4	PFHxA	2/24/2025	Confirmed
BLM-3-182	355-46-4	PFHxS	2/24/2025	Confirmed
BLM-3-182	375-95-1	PFNA	2/24/2025	Confirmed
BLM-3-182	335-67-1	PFOA	2/24/2025	Confirmed
BLM-3-182	2706-90-3	PFPeA	2/24/2025	Unconfirmed
BLM-3-182	2058-94-8	PFUnA	2/24/2025	Confirmed
ST-1-541	375-22-4	PFBA	2/24/2025	Confirmed
ST-1-541	375-73-5	PFBS	2/24/2025	Unconfirmed
ST-1-541	335-76-2	PFDA	2/24/2025	Confirmed
ST-1-541	375-85-9	PFHpA	2/24/2025	Unconfirmed
ST-1-541	307-24-4	PFHxA	2/24/2025	Confirmed
ST-1-541	355-46-4	PFHxS	2/24/2025	Confirmed

Well ID	CAS Number	Analyte	Scheduled Resample Date	Resolution
ST-1-541	375-95-1	PFNA	2/24/2025	Confirmed
ST-1-541	335-67-1	PFOA	2/24/2025	Confirmed
ST-1-541	1763-23-1	PFOS	2/24/2025	Unconfirmed
ST-1-541	2706-90-3	PFPeA	2/24/2025	Unconfirmed
ST-1-541	2058-94-8	PFUnA	2/24/2025	Confirmed
WB-1-330	335-67-1	PFOA	2/24/2025	Unconfirmed
WW-1-452	335-76-2	PFDA	2/24/2025	Confirmed
WW-1-452	375-95-1	PFNA	2/24/2025	Confirmed
WW-1-452	335-67-1	PFOA	2/24/2025	Confirmed
WW-1-452	2058-94-8	PFUnA	2/24/2025	Confirmed
WW-3-569	75-01-4	Vinyl Chloride	3/5/2025	Unconfirmed
PL-8-965	314-40-9	Bromacil	3/13/2025	Confirmed
BLM-40-517	2023695	Potassium, Total	4/8/2025	Confirmed
PL-1-486	2023695	Potassium, Total	4/9/2025	Confirmed

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

Well Name	Event Date	Well Group
100-001-GW	04/21/25	100/600
100-A-182	02/18/25	100/600
100-C-365	02/18/25	S. Boundary
100-C-365	02/26/25	S. Boundary
100-D-176	02/25/25	100/600
100-D-176	03/25/25	100/600
100-HG-139	03/19/25	100/600
200-B-240	02/26/25	200
200-B-240	04/28/25	200
200-C-170	02/11/25	200
200-C-225	02/10/25	200
200-C-270	02/10/25	200
200-D-240	02/26/25	200
200-D-240	03/20/25	200
200-F-225	02/12/25	200
200-F-225	02/24/25	200
200-F-370	02/11/25	200
200-F-420	02/12/25	200
200-G-175	02/24/25	200
200-H-225	02/24/25	200
200-H-225	03/26/25	200
200-I-300	03/26/25	200
300-001-GSV	03/24/25	300/400
300-002-GSV	03/25/25	300/400
300-A-170	02/18/25	300/400
300-B-166	02/05/25	300/400
300-E-138	02/14/25	300/400
300-E-183	02/14/25	300/400
400-001-GW	02/19/25	300/400
400-EV-131	02/19/25	300/400
400-FV-131	04/17/25	300/400
400-GV-125	02/19/25	300/400
400-HV-147	04/17/25	300/400
400-JV-150	02/20/25	300/400
600-C-173	03/25/25	100/600
600-E-280	02/13/25	100/600
600-G-138	02/25/25	100/600
600A-001-GW-1	03/19/25	100/600
600A-002-GW-1	03/20/25	100/600
600A-003-GW	04/14/25	100/600
600A-004-GW	04/17/25	100/600
600C-005-GW	04/21/25	Plume Front
700-A-253	04/08/25	N. Boundary
700-B-510	03/24/25	N. Boundary
700-D-186	04/07/25	N. Boundary
700-H-350	02/25/25	N. Boundary
700-H-350	04/08/25	N. Boundary
700-H-535	04/08/25	N. Boundary
700-H-670	04/07/25	N. Boundary
700-J-200	04/07/25	N. Boundary
BLM-10-517	04/15/25	Plume Front
BLM-13-300	03/03/25	S. Boundary
BLM-14-327	02/25/25	Midplume
BLM-14-327	04/08/25	Midplume
BLM-21-400	02/18/25	Midplume
BLM-23-431	02/11/25	Midplume
BLM-3-182	02/25/25	100/600
BLM-32-543	02/06/25	N. Boundary
BLM-32-571	02/06/25	N. Boundary
BLM-32-632	02/06/25	N. Boundary
BLM-39-385	04/02/25	Midplume
BLM-39-560	04/01/25	Midplume
BLM-40-517	04/03/25	S. Boundary
BLM-40-595	04/09/25	S. Boundary
BLM-40-688	04/11/25	S. Boundary
BLM-41-420	04/16/25	N. Boundary
BLM-41-670	04/16/25	N. Boundary
BLM-42-569	03/06/25	Sentinel
BLM-42-709	03/12/25	Sentinel
BLM-5-527	03/20/25	Midplume
BLM-6-488	02/24/25	S. Boundary
BLM-6-488	04/02/25	S. Boundary
BLM-7-509	03/18/25	Plume Front
BLM-9-419	03/14/25	Midplume
BW-1-268	03/24/25	300/400
BW-3-180	04/16/25	100/600
BW-4-330	02/20/25	200
BW-6-355	03/06/25	N. Boundary
JER-1-483	04/08/25	N. Boundary
JER-1-563	04/08/25	N. Boundary
JER-1-683	04/08/25	N. Boundary
JER-2-504	04/09/25	N. Boundary
JER-2-584	04/09/25	N. Boundary
JER-2-684	04/09/25	N. Boundary
JP-1-424	04/14/25	Sentinel
JP-2-447	04/14/25	Sentinel
JP-3-509	04/10/25	Sentinel
JP-3-689	04/10/25	Sentinel
NASA 10	03/26/25	300/400
NASA 3	02/14/25	Upgradient
NASA 3	03/27/25	Upgradient
NASA 4	03/27/25	100/600
NASA 5	03/26/25	300/400
PL-1-486	04/15/25	In Plume
PL-10-484	04/14/25	Sentinel
PL-10-592	04/14/25	Sentinel
PL-10-813	04/10/25	Sentinel
PL-10-962	04/10/25	Sentinel
PL-11-470	03/03/25	Sentinel
PL-11-530	03/03/25	Sentinel
PL-11-710	03/04/25	Sentinel
PL-11-820	03/04/25	Sentinel
PL-11-980	03/04/25	Sentinel
PL-12-570	02/13/25	In Plume
PL-12-800	02/13/25	In Plume

Well Name	Event Date	Well Group
PL-2-504	03/13/25	In Plume
PL-4-464	03/05/25	Plume Front
PL-6-545	02/03/25	Plume Front
PL-6-545	04/03/25	Plume Front
PL-6-725	04/02/25	Plume Front
PL-7-560	02/06/25	Plume Front
PL-7-630	02/05/25	Plume Front
PL-8-455	03/17/25	Sentinel
PL-8-605	03/13/25	Sentinel
PL-8-780	03/18/25	Sentinel
PL-8-965	03/13/25	Sentinel
ST-1-473	02/24/25	In Plume
ST-2-466	02/11/25	Plume Front
ST-4-481	03/05/25	Plume Front
ST-4-589	02/12/25	Plume Front

Well Name	Event Date	Well Group
ST-4-690	02/12/25	Plume Front
ST-5-481	02/14/25	Plume Front
ST-5-485	02/05/25	Plume Front
ST-5-655	02/04/25	Plume Front
ST-6-528	03/10/25	Plume Front
ST-6-568	03/10/25	Plume Front
ST-6-678	03/11/25	Plume Front
ST-6-824	03/11/25	Plume Front
ST-6-970	03/11/25	Plume Front
ST-7-544	04/07/25	Plume Front
ST-7-779	04/07/25	Plume Front
ST-7-970	04/07/25	Plume Front
WB-1-200	03/26/25	100/600
WB-1-330	02/25/25	100/600
WW-1-452	02/24/25	Plume Front

Well Name	Event Date	Well Group
WW-1-452	03/13/25	Plume Front
WW-2-489	03/17/25	Sentinel
WW-2-664	03/17/25	Sentinel
WW-3-469	03/11/25	Sentinel
WW-3-569	03/10/25	Sentinel
WW-3-710	03/10/25	Sentinel
WW-3-978	03/11/25	Sentinel
WW-4-589	02/10/25	Sentinel
WW-4-848	02/10/25	Sentinel
WW-4-948	02/10/25	Sentinel
WW-5-459	04/10/25	Sentinel
WW-5-579	04/10/25	Sentinel
WW-5-809	04/11/25	Sentinel
WW-5-909	04/11/25	Sentinel

Plume Front	
Well Name	Event Date
B650-EFF-1	02/19/25
B650-EFF-1	03/14/25
B650-EFF-1	04/11/25
B650-INF-1	02/19/25
B650-INF-1	03/14/25

B650-INF-1	04/11/25
PFE-1	04/09/25
PFE-2	04/09/25
PFE-3	04/08/25
PFE-4A	04/08/25
PFE-5	04/09/25
PFE-7	04/14/25

Mid-plume	
Well Name	Event Date
B655-EFF-2	02/19/25
B655-EFF-2	03/13/25
B655-EFF-2	04/10/25
B655-INF-2	02/19/25
B655-INF-2	03/13/25

B655-INF-2	04/10/25
MPE-1	02/11/25
MPE-10	02/11/25
MPE-11	02/11/25
MPE-9	02/11/25

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	4649.21	4/22/2025
100-A-182	198	182	192	4668.88	4/22/2025
100-C-365	400	365	385	4533.26	4/22/2025
100-D-176	201	176	196	4565.56	4/22/2025
100-E-261	284	261	271	4682.91	4/22/2025
100-F-358	378	358	368	4713.73	4/22/2025
100-G-223	238	223	233	4851.71	4/22/2025
200-B-240	260	240	250	4705.78	4/22/2025
200-C(170)i	290	N/A	N/A	4678.75	4/22/2025
200-D-240	280	240	250	4662.50	4/22/2025
200-F(370)i	590	N/A	N/A	4725.12	4/22/2025
200-G(220)i	515	N/A	N/A	4724.30	4/22/2025
200-H(331)i	458	N/A	N/A	4776.61	4/22/2025
200-I(300)i	815	N/A	N/A	4655.26	4/22/2025
200-JG-110	150	110	130	4654.38	4/22/2025
200-LV-150	175	150	170	4729.19	4/22/2025
300-A-120	152	121	146	4784.13	4/22/2025
300-A-170	182	170	175.5	4784.67	4/22/2025
300-B-166	181	165	176	4775.51	4/22/2025
300-C-128	160	128	154	4733.45	4/22/2025
300-D-153	179	153	174	4950.82	4/22/2025
300-E(138)i	395	N/A	N/A	4812.16	4/23/2025
300-F-175	195	175	185	5044.25	4/22/2025
400-A-151	187	151	176	4636.84	4/23/2025
400-C-143	163	143	153	4779.34	4/23/2025
400-D(275)i	380	N/A	N/A	4660.10	4/23/2025
600C-005-GW	419	394	409	4031.20	4/22/2025
600-C-173	199	173	193	4570.12	4/22/2025
600-E(280)i	690	N/A	N/A	N/A	
600-G-138	148	137.5	147.5	4616.31	4/22/2025
700-A-253	269	253	263	4725.02	4/22/2025
700-B-510	550	510	531	4345.42	4/22/2025
700-D-186	202	186	196	4712.39	4/22/2025
700-E-458	484	458	479	4411.73	4/22/2025
700-H(350)i	695	N/A	N/A	4633.63	4/23/2025
700-J-200	230	200	220	4830.63	4/22/2025
BLM-10-517	532	517	527	4040.40	4/22/2025
BLM-13-300	316	300	310	4422.26	4/22/2025

Well Name	Total Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Groundwater Elevation (ft amsl)	Measurement Date
BLM-14-327	343	327	337	4400.69	4/22/2025
BLM-1-435	451	435	446	4145.42	4/22/2025
BLM-15-305	325	305	315	4424.41	4/22/2025
BLM-17-493	519	493	513	4033.17	4/22/2025
BLM-17-550	600	550.5	560.9	4027.27	4/22/2025
BLM-18-430	456	430	451	4225.63	4/22/2025
BLM-21-400	413	400	410	4312.93	4/22/2025
BLM-22-570	597	570	592	4096.18	4/22/2025
BLM-23-431	447	431	441	4262.33	4/22/2025
BLM-24-565	590	565	585	4386.04	4/22/2025
BLM-25-455	470	455	465	4283.33	4/22/2025
BLM-2-630	498	482	493	4027.59	4/22/2025
BLM-26-404	420	404	414	4358.06	4/22/2025
BLM-27-270	286	270	280	4499.37	4/22/2025
BLM-3-182	208	182	203	4570.23	4/22/2025
BLM-31	820	N/A	N/A	N/A	
BLM-36(350)ii	905	604	614	N/A	
BLM-39(385)ii	595	379	389	4278.80	4/23/2025
BLM-40-517	532	517	527	4039.33	4/22/2025
BLM-41-420	435	420	430	4317.16	4/22/2025
BLM-42-569	802	569	579	4041.16	4/22/2025
BLM-5-527	560	527	538	4040.75	4/22/2025
BLM-6-488	503	488	498	4231.72	4/22/2025
BLM-7-509	525	509	520	4037.40	4/22/2025
BLM-8-418	434	418	428	4224.57	4/22/2025
BLM-9-419	445	419	440	4227.98	4/22/2025
BW-1-268	294	268	289	4607.85	4/22/2025
BW-3-180	205	180	200	4564.02	4/22/2025
BW-4	820	N/A	N/A	4543.00	4/22/2025
BW-5-295	311	295	305	4582.45	4/22/2025
BW-6-355	381	355	376	4573.01	4/22/2025
BW-7-211	225	211	222	4609.81	4/22/2025
JER-2-504	756	504	514	4045.05	4/22/2025
JP-1-424	440	424	434	4029.78	4/22/2025
JP-2-447	462	446	457	4030.75	4/22/2025
MPE-2	601	400	580	N/A	
MPE-3	639	479	619	4276.26	4/22/2025
MPE-4	639	499	619	4277.71	4/22/2025
MPE-5	590	450	570	4142.11	4/22/2025

Well Name	Total Depth (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Groundwater Elevation (ft amsl)	Measurement Date
MPE-6	603	383	602	4281.71	4/22/2025
MPE-7	600	401	600	4243.35	4/22/2025
NASA 10	135	110	130	4816.85	4/22/2025
NASA 3	144	119	139	4888.89	4/22/2025
NASA 4	171	146	166	4638.23	4/22/2025
NASA 5	135	110	130	4815.34	4/22/2025
NASA 6	153	128	148	4693.63	4/22/2025
PFE-1-PZ	609	588	598	4022.81	4/22/2025
PFE-3-PZ	620	590	600	4028.79	4/22/2025
PFI-1-PZ	619	589	599	4034.37	4/22/2025
PFI-4-PZ	600	398	600	4042.42	4/22/2025
PL-10(484)ii	1,000	479	489	4037.51	4/28/2025
PL-12-570	902	570.2	580.2	4033.46	4/22/2025
PL-1-486	502	486	496	4030.98	4/22/2025
PL-2-504	520	504	514	4028.56	4/22/2025
PL-3-453	469	453	464	4037.62	4/22/2025
PL-4-464	480	464	474	4030.22	4/22/2025
PL-6(545)i	1,920	N/A	N/A	4012.42	4/23/2025
PL-7(480)ii	655	475	485	4040.23	4/23/2025
PL-8(455)ii	1,000	448	458	4034.38	4/23/2025
ST-1-473	488	473	483	4031.40	4/22/2025
ST-2-466	481	466	476	4029.59	4/22/2025
ST-3-486	502	486	496	4028.89	4/22/2025
ST-4-481	497	481	491	4031.74	4/22/2025
ST-5-481	497	481	491	4031.35	4/22/2025
WB-1(200)i	359	N/A	N/A	N/A	
WB-14(520)i	545	N/A	N/A	4428.45	4/23/2025
WB-5(250)i	400	N/A	N/A	4667.23	4/23/2025
WW-1-452	468	452	462	4030.76	4/22/2025
WW-2-589	1,030	589	599	4037.31	4/22/2025
WW-3(469)ii	1,025	469	479	4032.14	4/23/2025

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)
Feb-25	28 of 28	805	85.4	19 of 28	8.4	0.54
Mar-25	23 of 31	800	67.7	19 of 31	8.5	0.5
Apr-25	30 of 30	809	101.6	20 of 30	8.0	0.58

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			
3/15/25	3/18/25	Unplanned/ Planned	The system shut down automatically because of an unplanned disruption in the electrical power supply. NASA left the system offline to accommodate a subsequent planned electrical power outage.
3/20/25	3/24/25	Planned	NASA shut the system down to investigate anomalous vibration and noise originating from an air stripper blower motor.
3/25/25	3/27/25	Unplanned	The system shut down automatically because of low flow following the failure of a motor starter at well PFE-2.
3/28/25	4/1/25	Unplanned/ Planned	The system shut down automatically because of low air flow through an air stripper. NASA left the system offline to accommodate a subsequent planned electrical power outage.
4/9/25	4/10/25	Unplanned	The system shut down automatically because of an irregularity in the electrical power supply.
4/10/25	4/10/25	Unplanned	The system shut down automatically because of a communications loss at well PFE-3.
Mid-plume Interception and Treatment System Shutdowns			
1/31/25	2/3/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
2/6/25	2/10/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
2/14/25	2/18/25	Planned	The system was shut down to allow aquifer levels to recover over an extended weekend that included the President's Day holiday.
2/20/25	2/24/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
3/1/25	3/3/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
3/4/25	3/4/25	Unplanned	The system shut down automatically because of a communication loss.
3/6/25	3/10/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
3/14/25	3/18/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend and to support a planned electrical power outage.
3/20/25	3/24/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
3/28/25	3/31/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.

Shutdown Date	Restart Date	Type of Shutdown	Description
4/3/25	4/7/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
4/8/25	4/8/25	Unplanned	The system shut down automatically because of a disruption in the electrical power supply.
4/11/25	4/14/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
4/17/25	4/21/25	Planned	The system was shut down to allow aquifer levels to recover over the weekend.
4/21/25	4/21/25	Unplanned	The system shut down automatically because of a disruption in the electrical power supply.
4/25/25	4/28/25	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	Feb-25	Mar-25	Apr-25
Air Stripper Influent Concentrations	TCE	µg/L	130	17	16	15
	PCE	µg/L	0.66	0.71	0.62	0.56
	Freon 11	µg/L	860	17	12	10
	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	122[a]	136[b]	128[c]
UV Reactor Effluent Concentrations	NDMA	ng/L	< 2.0	<0.35[2]	<0.50[2]	0.45 J

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: 41%[a], 44%[b], 47%[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	229	149	98%	64%
	PFE-2	181	144	94	80%	52%
	PFE-3	172	163	107	95%	62%
	PFE-4A	200	154	100	77%	50%
	PFE-5	5.5	3.2	2.1	59%	38%
	PFE-7	101	112	73	111%	72%
Injection Wells (gpm)	**PFI-1[4]**	NA	NA	NA	NA	NA
	PFI-2	269	289	227	107%	84%
	PFI-3	344	321	252	93%	73%
	PFI-4	194	189	148	97%	76%

[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 Jul-24	Specific Capacity Oct-24	Specific Capacity Jan-25	Specific Capacity Apr-25
PFE-1	8.3	8.3	6.9	6.9	6.9
PFE-2	5.7	6.7	5.6	5.7	5.7
PFE-3	19.4	15.9	12.7	12.2	11.2
PFE-4A	3.1	2.0	1.7	1.6	1.9
PFE-5	0.14	<0.1	<0.1	<0.1	<0.1
PFE-7	6.0	6.0	4.8	4.9	4.6
Well Name	**Specific Capacity at Installation (Ideal Range)**	**Specific Capacity Jul-24**	**Specific Capacity Oct-24**	**Specific Capacity Jan-25**	**Specific Capacity Apr-25**
PFI-1	2.8–5	NA[1]	NA[1]	NA[1]	NA[1]
PFI-2	2.8–7	1.6	1.6	1.6	1.5
PFI-3	2–4	1.8	1.5	1.8	1.7
PFI-4	2.3–3.5	1.3	1.1	1.3	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-May	1.7	1.0	ND	39	14.6
24-Jun	2.3	1.5	ND	61	23.5
24-Jul	1.8	1.5	ND	47	16.9
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
Total[2]	**22.8**	**17.2**	**0.0**	**647.6**	**202.1**

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	Feb-25	Mar-25	Apr-25
Air Stripper Influent Concentrations (MPE Wells)	TCE	µg/L	140	57	44	49
	PCE	µg/L	6.4	2.7	2.1	2.3
	Freon 11	µg/L	240	140	82	84
	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	NS	NS	NS
	PCE	µg/L	6.4	NS	NS	NS
	Freon 11	µg/L	240	NS	NS	NS
	Chloroform	µg/L	NA[1]	NS	NS	NS
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	4,049	3,432[b]	3,043[c]
UV Reactor Influent Concentrations (Well 600-G-138)	NDMA	ng/L	25,500	NS	NS	NS
UV Reactor Effluent Concentrations[4]	NDMA	ng/L	< 2.0	<0.35	<0.48	<0.35

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: 41%[a], 44%[b], 47%[c].

[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-May	35.6	70	ND	1.6	1.9
24-Jun	27	53	ND	1.2	1.5
24-Jul	14	27	ND	0.6	0.8
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
Total[2]	**347.78**	**638.09**	**0.00**	**16.07**	**25.69**

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
May-24	24,443,387	$76,061	$75,849	$6.21	$9,459	$0.39	$161,369	$6.60
Jun-24	35,240,786	$70,163	$45,360	$3.28	$21,142	$0.60	$136,665	$3.88
Jul-24	26,821,773	$115,267	$49,506	$6.14	$23,023	$0.86	$187,796	$7.00
Aug-24	29,677,206	$90,209	$77,025	$5.64	$22,815	$0.77	$190,049	$6.40
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
12-Month Total	352,058,867	$998,197	$725,615	$4.90	$204,947	$0.58	$1,928,759	$5.48

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				
WW-4-419	Feb-25	Unable to collect groundwater sample because the water level in the well was insufficient for sampling.	May-25	Attempt sampling at next scheduled sampling event to determine if water level is adequate for the collection of representative samples.
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, 2023d) 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, 2023e).
Issues Resolved this Quarter (will not appear in future Periodic Monitoring Reports)				
None				

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** 4/21/2025

Sample	Parameter	Result	Units
2504210940C	Conductivity	715.06	µS/cm
2504210940C	DO	1.88	mg/L
2504210940C	DTW		m
2504210940C	ORP	-45	mV
2504210940C	pH	8.41	NA
2504210940C	Temperature	21.07	ºC
2504210940C	Turbidity	3.08	NTU
2504210941C	Conductivity	712.07	µS/cm
2504210941C	DO	1.77	mg/L
2504210941C	DTW		m
2504210941C	ORP	-42.9	mV
2504210941C	pH	8.40	NA
2504210941C	Temperature	21.07	ºC
2504210941C	Turbidity	2.62	NTU
2504210942C	Conductivity	7122.22	µS/cm
2504210942C	DO	1.70	mg/L
2504210942C	DTW		m
2504210942C	ORP	-41.8	mV
2504210942C	pH	8.43	NA
2504210942C	Temperature	21.07	ºC
2504210942C	Turbidity	2.23	NTU

Well ID	100-A-182	Event Date	2/18/2025	
Sample	**Parameter**		**Result**	**Units**
2502180855A	Atmospheric Pressure			psia
2502180855A	Conductivity		1129	µS/cm
2502180855A	DTW		177.78	ft
2502180855A	Formation Pressure			psia
2502180855A	pH		7.36	NA
2502180855A	Temperature		20.71	ºC
2502180855A	Turbidity		0.54	NTU
2502180858A	Atmospheric Pressure			psia
2502180858A	Conductivity		1131.2	µS/cm
2502180858A	DTW		177.78	ft
2502180858A	Formation Pressure			psia
2502180858A	pH		7.36	NA
2502180858A	Temperature		20.75	ºC
2502180858A	Turbidity		0.5	NTU
2502180901A	Atmospheric Pressure			psia
2502180901A	Conductivity		1133.8	µS/cm
2502180901A	DTW		177.78	ft
2502180901A	Formation Pressure			psia
2502180901A	pH		7.34	NA
2502180901A	Temperature		20.67	ºC
2502180901A	Turbidity		0.45	NTU

Well ID	100-C-365	Event Date	2/18/2025	
Sample	**Parameter**		**Result**	**Units**
2502181005C	Atmospheric Pressure			psia
2502181005C	Conductivity		778.68	µS/cm
2502181005C	DTW		287.3	ft
2502181005C	Formation Pressure			psia
2502181005C	pH		8.9	NA
2502181005C	Temperature		22.37	ºC
2502181005C	Turbidity		0.27	NTU
2502181010C	Atmospheric Pressure			psia
2502181010C	Conductivity		778.7	µS/cm
2502181010C	DTW		287.3	ft
2502181010C	Formation Pressure			psia
2502181010C	pH		8.96	NA
2502181010C	Temperature		22.39	ºC
2502181010C	Turbidity		0.25	NTU
2502181015C	Atmospheric Pressure			psia
2502181015C	Conductivity		769.67	µS/cm
2502181015C	DTW		287.3	ft
2502181015C	Formation Pressure			psia
2502181015C	pH		8.99	NA
2502181015C	Temperature		23.49	ºC
2502181015C	Turbidity		0.19	NTU
2502261030A	Atmospheric Pressure		NA	psia
2502261030A	Conductivity		785	µS/cm
2502261030A	DTW		287.25	ft
2502261030A	Formation Pressure			psia
2502261030A	pH		9.53	NA
2502261030A	Temperature		21.52	ºC
2502261030A	Turbidity		1.3	NTU
2502261032A	Atmospheric Pressure			psia
2502261032A	Conductivity		780	µS/cm
2502261032A	DTW			ft
2502261032A	Formation Pressure			psia
2502261032A	pH		9.49	NA
2502261032A	Temperature		21.51	ºC
2502261032A	Turbidity		1.26	NTU
2502261034A	Atmospheric Pressure			psia
2502261034A	Conductivity		781	µS/cm
2502261034A	DTW			ft
2502261034A	Formation Pressure			psia
2502261034A	pH		9.5	NA
2502261034A	Temperature		21.51	ºC
2502261034A	Turbidity		1.22	NTU

Well ID	100-D-176	Event Date	2/25/2025	
Sample	**Parameter**		**Result**	**Units**
2502251404C	Atmospheric Pressure			psia
2502251404C	Conductivity		2501	µS/cm
2502251404C	DTW		186.75	ft
2502251404C	Formation Pressure			psia
2502251404C	pH		8.22	NA
2502251404C	Temperature		21.48	ºC
2502251404C	Turbidity		1.42	NTU
2502251406C	Atmospheric Pressure			psia
2502251406C	Conductivity		2505.2	µS/cm
2502251406C	DTW			ft
2502251406C	Formation Pressure			psia
2502251406C	pH		8.19	NA
2502251406C	Temperature		21.47	ºC
2502251406C	Turbidity		1.4	NTU
2502251408C	Atmospheric Pressure			psia
2502251408C	Conductivity		2500.6	µS/cm
2502251408C	DTW			ft
2502251408C	Formation Pressure			psia
2502251408C	pH		8.2	NA
2502251408C	Temperature		21.48	ºC
2502251408C	Turbidity		1.27	NTU
2503250930C	Atmospheric Pressure			psia
2503250930C	Conductivity		2445	µS/cm
2503250930C	DTW			ft
2503250930C	Formation Pressure			psia
2503250930C	pH		7.63	NA
2503250930C	Temperature		20.94	ºC
2503250930C	Turbidity		0.89	NTU
2503250931C	Atmospheric Pressure			psia
2503250931C	Conductivity		2445.8	µS/cm
2503250931C	DTW			ft
2503250931C	Formation Pressure			psia
2503250931C	pH		7.62	NA
2503250931C	Temperature		20.94	ºC
2503250931C	Turbidity		1.2	NTU
2503250932C	Atmospheric Pressure			psia
2503250932C	Conductivity		2445.7	µS/cm
2503250932C	DTW			ft
2503250932C	Formation Pressure			psia
2503250932C	pH		7.62	NA
2503250932C	Temperature		20.94	ºC
2503250932C	Turbidity		1.1	NTU

Well ID	100-HG-139	Event Date	3/19/2025	
Sample	**Parameter**		**Result**	**Units**
2503190940C	Atmospheric Pressure			psia
2503190940C	Conductivity		992	µS/cm
2503190940C	DTW		128.47	ft
2503190940C	Formation Pressure			psia
2503190940C	pH		7.48	NA
2503190940C	Temperature		19.43	ºC
2503190940C	Turbidity		0.49	NTU
2503190942C	Atmospheric Pressure			psia
2503190942C	Conductivity		991	µS/cm
2503190942C	DTW			ft
2503190942C	Formation Pressure			psia
2503190942C	pH		7.41	NA
2503190942C	Temperature		19.42	ºC
2503190942C	Turbidity		0.52	NTU
2503190944C	Atmospheric Pressure			psia
2503190944C	Conductivity		994	µS/cm
2503190944C	DTW			ft
2503190944C	Formation Pressure			psia
2503190944C	pH		7.44	NA
2503190944C	Temperature		19.42	ºC
2503190944C	Turbidity		0.48	NTU

Well ID	200-B-240	Event Date	2/26/2025	
Sample	**Parameter**		**Result**	**Units**
2502261440C	Atmospheric Pressure			psia
2502261440C	Conductivity		1134.6	µS/cm
2502261440C	DTW			ft
2502261440C	Formation Pressure			psia
2502261440C	pH		7.27	NA
2502261440C	Temperature		21.94	ºC
2502261440C	Turbidity		1.04	NTU
2502261445C	Atmospheric Pressure			psia
2502261445C	Conductivity		1133.2	µS/cm
2502261445C	DTW			ft
2502261445C	Formation Pressure			psia
2502261445C	pH		7.28	NA
2502261445C	Temperature		22.01	ºC
2502261445C	Turbidity		1.24	NTU
2502261450C	Atmospheric Pressure			psia
2502261450C	Conductivity		1132.6	µS/cm
2502261450C	DTW			ft
2502261450C	Formation Pressure			psia
2502261450C	pH		7.28	NA
2502261450C	Temperature		21.92	ºC
2502261450C	Turbidity		1.8	NTU
2504281010C	Conductivity		1098.4	µS/cm
2504281010C	DO		2.84	mg/L
2504281010C	DTW		56.81	ft
2504281010C	ORP		69.4	mV
2504281010C	pH		7.45	NA
2504281010C	Temperature		21.61	ºC
2504281010C	Turbidity		4.84	NTU
2504281012C	Conductivity		1084.6	µS/cm
2504281012C	DO		2.34	mg/L
2504281012C	DTW		56.81	ft
2504281012C	ORP		73.3	mV
2504281012C	pH		7.51	NA
2504281012C	Temperature		21.60	ºC
2504281012C	Turbidity		3.31	NTU
2504281014C	Conductivity		1068.3	µS/cm
2504281014C	DO		1.58	mg/L
2504281014C	DTW		56.81	ft
2504281014C	ORP		76.4	mV
2504281014C	pH		7.66	NA
2504281014C	Temperature		21.58	ºC
2504281014C	Turbidity		2.27	NTU

Well ID	200-C-170	Event Date	2/11/2025	
Sample	**Parameter**		**Result**	**Units**
2502110920Y	Atmospheric Pressure		12.26	psia
2502110920Y	Conductivity		1118	µS/cm
2502110920Y	DTW		150.7	ft
2502110920Y	Formation Pressure			psia
2502110920Y	pH		7.64	NA
2502110920Y	Temperature		17.9	ºC
2502110920Y	Turbidity		1.08	NTU
2502111020Y	Atmospheric Pressure		12.3	psia
2502111020Y	Conductivity		1185	µS/cm
2502111020Y	DTW		150.87	ft
2502111020Y	Formation Pressure			psia
2502111020Y	pH		7.39	NA
2502111020Y	Temperature		16.1	ºC
2502111020Y	Turbidity		1.02	NTU

Well ID	200-C-225	Event Date	2/10/2025	
Sample	**Parameter**		**Result**	**Units**
2502101315Y	Atmospheric Pressure		12.29	psia
2502101315Y	Conductivity		1080	µS/cm
2502101315Y	DTW		150.55	ft
2502101315Y	Formation Pressure			psia
2502101315Y	pH		7.58	NA
2502101315Y	Temperature		19.3	ºC
2502101315Y	Turbidity		1.21	NTU
2502101420Y	Atmospheric Pressure		12.3	psia
2502101420Y	Conductivity		1197	µS/cm
2502101420Y	DTW		150.7	ft
2502101420Y	Formation Pressure			psia
2502101420Y	pH		7.63	NA
2502101420Y	Temperature		18.7	ºC
2502101420Y	Turbidity		1.16	NTU

Well ID	200-C-270	Event Date	2/10/2025	
Sample	**Parameter**		**Result**	**Units**
2502100915Y	Atmospheric Pressure		12.3	psia
2502100915Y	Conductivity		11.4	µS/cm
2502100915Y	DTW		150.1	ft
2502100915Y	Formation Pressure			psia
2502100915Y	pH		7.56	NA
2502100915Y	Temperature		18.9	ºC
2502100915Y	Turbidity		0.96	NTU
2502101040Y	Atmospheric Pressure		12.32	psia
2502101040Y	Conductivity		11.89	µS/cm
2502101040Y	DTW		150.55	ft
2502101040Y	Formation Pressure			psia
2502101040Y	pH		7.37	NA
2502101040Y	Temperature		18.8	ºC
2502101040Y	Turbidity		1.24	NTU

Well ID	200-D-240	Event Date	2/26/2025	
Sample	**Parameter**		**Result**	**Units**
2502261000C	Atmospheric Pressure			psia
2502261000C	Conductivity		1202	µS/cm
2502261000C	DTW		127.6	ft
2502261000C	Formation Pressure			psia
2502261000C	pH		7.23	NA
2502261000C	Temperature		20.84	ºC
2502261000C	Turbidity		0.61	NTU
2502261005C	Atmospheric Pressure			psia
2502261005C	Conductivity		1999	µS/cm
2502261005C	DTW			ft
2502261005C	Formation Pressure			psia
2502261005C	pH		7.24	NA
2502261005C	Temperature		20.81	ºC
2502261005C	Turbidity		0.21	NTU
2502261010C	Atmospheric Pressure			psia
2502261010C	Conductivity		1992	µS/cm
2502261010C	DTW			ft
2502261010C	Formation Pressure			psia
2502261010C	pH		7.22	NA
2502261010C	Temperature		20.88	ºC
2502261010C	Turbidity		0.63	NTU
2503200915C	Atmospheric Pressure			psia
2503200915C	Conductivity		1173	µS/cm
2503200915C	DTW			ft
2503200915C	Formation Pressure			psia
2503200915C	pH		7.25	NA
2503200915C	Temperature		20.03	ºC
2503200915C	Turbidity		0.61	NTU
2503200917C	Atmospheric Pressure			psia
2503200917C	Conductivity		1171	µS/cm
2503200917C	DTW			ft
2503200917C	Formation Pressure			psia
2503200917C	pH		7.26	NA
2503200917C	Temperature		20.04	ºC
2503200917C	Turbidity		0.58	NTU
2503200919C	Atmospheric Pressure			psia
2503200919C	Conductivity		1173	µS/cm
2503200919C	DTW			ft
2503200919C	Formation Pressure			psia
2503200919C	pH		7.23	NA
2503200919C	Temperature		20.03	ºC
2503200919C	Turbidity		0.62	NTU

Well ID	200-F-225	Event Date	2/12/2025	
Sample	**Parameter**		**Result**	**Units**
2502121345Y	Atmospheric Pressure		12.18	psia
2502121345Y	Conductivity		889	µS/cm
2502121345Y	DTW		181.6	ft
2502121345Y	Formation Pressure			psia
2502121345Y	pH		8.23	NA
2502121345Y	Temperature		17.9	ºC
2502121345Y	Turbidity		1.67	NTU
2502130925Y	Atmospheric Pressure		12.31	psia
2502130925Y	Conductivity		1189	µS/cm
2502130925Y	DTW		181.73	ft
2502130925Y	Formation Pressure			psia
2502130925Y	pH		7.54	NA
2502130925Y	Temperature		16	ºC
2502130925Y	Turbidity		3.34	NTU
2502241000Y	Atmospheric Pressure		12.42	psia
2502241000Y	Conductivity		1030	µS/cm
2502241000Y	DTW		181.9	ft
2502241000Y	Formation Pressure			psia
2502241000Y	pH		8.23	NA
2502241000Y	Temperature		21.7	ºC
2502241000Y	Turbidity		2.27	NTU
2502241100Y	Atmospheric Pressure		12.44	psia
2502241100Y	Conductivity		1202	µS/cm
2502241100Y	DTW			ft
2502241100Y	Formation Pressure			psia
2502241100Y	pH		7.88	NA
2502241100Y	Temperature		21.5	ºC
2502241100Y	Turbidity		2.12	NTU

Well ID	200-F-370	Event Date	2/11/2025	
Sample	**Parameter**		**Result**	**Units**
2502111350Y	Atmospheric Pressure		12.16	psia
2502111350Y	Conductivity		1110	µS/cm
2502111350Y	DTW		181	ft
2502111350Y	Formation Pressure			psia
2502111350Y	pH		7.77	NA
2502111350Y	Temperature		20.4	ºC
2502111350Y	Turbidity		1.71	NTU
2502111450Y	Atmospheric Pressure		12.13	psia
2502111450Y	Conductivity		1280	µS/cm
2502111450Y	DTW		181.23	ft
2502111450Y	Formation Pressure			psia
2502111450Y	pH		7.28	NA
2502111450Y	Temperature		19	ºC
2502111450Y	Turbidity		1.21	NTU

Well ID	200-F-420	Event Date	2/12/2025	
Sample	**Parameter**		**Result**	**Units**
2502120925Y	Atmospheric Pressure		12.19	psia
2502120925Y	Conductivity		1199	µS/cm
2502120925Y	DTW		181.23	ft
2502120925Y	Formation Pressure			psia
2502120925Y	pH		7.89	NA
2502120925Y	Temperature		17.1	ºC
2502120925Y	Turbidity		1.96	NTU
2502121045Y	Atmospheric Pressure		12.2	psia
2502121045Y	Conductivity		1328	µS/cm
2502121045Y	DTW		181.6	ft
2502121045Y	Formation Pressure			psia
2502121045Y	pH		7.45	NA
2502121045Y	Temperature		16.2	ºC
2502121045Y	Turbidity		1.1	NTU

Well ID	200-G-175	Event Date	2/24/2025	
Sample	**Parameter**		**Result**	**Units**
2502241620Y	Atmospheric Pressure		12.41	psia
2502241620Y	Conductivity		1169	µS/cm
2502241620Y	DTW		218	ft
2502241620Y	Formation Pressure			psia
2502241620Y	pH		7.13	NA
2502241620Y	Temperature		21.7	ºC
2502241620Y	Turbidity		2.23	NTU
2502241700Y	Atmospheric Pressure		12.42	psia
2502241700Y	Conductivity		1279	µS/cm
2502241700Y	DTW		218.1	ft
2502241700Y	Formation Pressure			psia
2502241700Y	pH		7.6	NA
2502241700Y	Temperature		21.4	ºC
2502241700Y	Turbidity		1.58	NTU

Well ID	200-H-225	Event Date	2/24/2025	
Sample	**Parameter**		**Result**	**Units**
2502241410Y	Atmospheric Pressure		12.41	psia
2502241410Y	Conductivity		1190	µS/cm
2502241410Y	DTW		44.13	ft
2502241410Y	Formation Pressure			psia
2502241410Y	pH		7	NA
2502241410Y	Temperature		22.4	ºC
2502241410Y	Turbidity		1.03	NTU
2502241450Y	Atmospheric Pressure		12.44	psia
2502241450Y	Conductivity		1237	µS/cm
2502241450Y	DTW		44.25	ft
2502241450Y	Formation Pressure			psia
2502241450Y	pH		7.28	NA
2502241450Y	Temperature		21.6	ºC
2502241450Y	Turbidity		1.61	NTU
2503261040A	Atmospheric Pressure		12.33	psia
2503261040A	Conductivity		1158	µS/cm
2503261040A	DTW		44.15	ft
2503261040A	Formation Pressure			psia
2503261040A	pH		7.78	NA
2503261040A	Temperature		21	ºC
2503261040A	Turbidity		4.18	NTU
2503261100A	Atmospheric Pressure		12.35	psia
2503261100A	Conductivity		1157	µS/cm
2503261100A	DTW			ft
2503261100A	Formation Pressure			psia
2503261100A	pH		7.22	NA
2503261100A	Temperature		21.1	ºC
2503261100A	Turbidity		1.47	NTU

Well ID	200-I-300	Event Date	3/26/2025	
Sample	**Parameter**		**Result**	**Units**
2503260930Y	Atmospheric Pressure		12.37	psia
2503260930Y	Conductivity		839	µS/cm
2503260930Y	DTW		222.95	ft
2503260930Y	Formation Pressure			psia
2503260930Y	pH		7.36	NA
2503260930Y	Temperature		21.2	ºC
2503260930Y	Turbidity		1.26	NTU
2503261000Y	Atmospheric Pressure		12.34	psia
2503261000Y	Conductivity		827	µS/cm
2503261000Y	DTW			ft
2503261000Y	Formation Pressure			psia
2503261000Y	pH		7.68	NA
2503261000Y	Temperature		20.8	ºC
2503261000Y	Turbidity		1.48	NTU

Well ID	300-001-GSV	Event Date	3/24/2025	
Sample	**Parameter**		**Result**	**Units**
2503241015A	Atmospheric Pressure			psia
2503241015A	Conductivity		1831	µS/cm
2503241015A	DTW		123.4	ft
2503241015A	Formation Pressure			psia
2503241015A	pH		7.55	NA
2503241015A	Temperature		20.7	ºC
2503241015A	Turbidity		6.08	NTU
2503241300A	Atmospheric Pressure			psia
2503241300A	Conductivity		1790	µS/cm
2503241300A	DTW			ft
2503241300A	Formation Pressure			psia
2503241300A	pH		7.57	NA
2503241300A	Temperature		22.3	ºC
2503241300A	Turbidity		3.52	NTU
2503241445A	Atmospheric Pressure			psia
2503241445A	Conductivity		1714	µS/cm
2503241445A	DTW			ft
2503241445A	Formation Pressure			psia
2503241445A	pH		7.6	NA
2503241445A	Temperature		22.7	ºC
2503241445A	Turbidity		4.1	NTU

Well ID	300-002-GSV	Event Date	3/25/2025	
Sample	**Parameter**		**Result**	**Units**
2503250940A	Atmospheric Pressure			psia
2503250940A	Conductivity		1081	µS/cm
2503250940A	DTW		117.3	ft
2503250940A	Formation Pressure			psia
2503250940A	pH		7.68	NA
2503250940A	Temperature		21.5	ºC
2503250940A	Turbidity		5.37	NTU
2503251010A	Atmospheric Pressure			psia
2503251010A	Conductivity		1155	µS/cm
2503251010A	DTW			ft
2503251010A	Formation Pressure			psia
2503251010A	pH		7.62	NA
2503251010A	Temperature		22.1	ºC
2503251010A	Turbidity		3.47	NTU
2503251305A	Atmospheric Pressure			psia
2503251305A	Conductivity		1147	µS/cm
2503251305A	DTW			ft
2503251305A	Formation Pressure			psia
2503251305A	pH		7.59	NA
2503251305A	Temperature		22.2	ºC
2503251305A	Turbidity		4.6	NTU

Well ID	300-A-170	Event Date	2/18/2025	
Sample	**Parameter**		**Result**	**Units**
2502181425A	Atmospheric Pressure			psia
2502181425A	Conductivity		931.7	µS/cm
2502181425A	DTW		131.12	ft
2502181425A	Formation Pressure			psia
2502181425A	pH		7.65	NA
2502181425A	Temperature		20.96	ºC
2502181425A	Turbidity		5.01	NTU
2502181428A	Atmospheric Pressure		NA	psia
2502181428A	Conductivity		932.15	µS/cm
2502181428A	DTW		131.12	ft
2502181428A	Formation Pressure			psia
2502181428A	pH		7.67	NA
2502181428A	Temperature		21	ºC
2502181428A	Turbidity		4.44	NTU
2502181431A	Atmospheric Pressure			psia
2502181431A	Conductivity		932.68	µS/cm
2502181431A	DTW		131.12	ft
2502181431A	Formation Pressure			psia
2502181431A	pH		7.68	NA
2502181431A	Temperature		21.05	ºC
2502181431A	Turbidity		3.92	NTU

Well ID 300-B-166	Event Date 2/5/2025		
Sample	**Parameter**	**Result**	**Units**
2502051400C	Atmospheric Pressure		psia
2502051400C	Conductivity	7.93	µS/cm
2502051400C	DTW		ft
2502051400C	Formation Pressure		psia
2502051400C	pH	8.31	NA
2502051400C	Temperature	20.87	ºC
2502051400C	Turbidity	1.39	NTU
2502051402C	Atmospheric Pressure		psia
2502051402C	Conductivity	7.93	µS/cm
2502051402C	DTW		ft
2502051402C	Formation Pressure		psia
2502051402C	pH	8.29	NA
2502051402C	Temperature	20.87	ºC
2502051402C	Turbidity	1.39	NTU
2502051404C	Atmospheric Pressure		psia
2502051404C	Conductivity	7.93	µS/cm
2502051404C	DTW		ft
2502051404C	Formation Pressure		psia
2502051404C	pH	8.28	NA
2502051404C	Temperature	20.86	ºC
2502051404C	Turbidity	1.37	NTU

Well ID 300-E-138	Event Date 2/14/2025		
Sample	**Parameter**	**Result**	**Units**
2502140950Y	Atmospheric Pressure	12.32	psia
2502140950Y	Conductivity	1230	µS/cm
2502140950Y	DTW	139.84	ft
2502140950Y	Formation Pressure		psia
2502140950Y	pH	7.63	NA
2502140950Y	Temperature	18.7	ºC
2502140950Y	Turbidity	1.45	NTU
2502141100Y	Atmospheric Pressure	12.35	psia
2502141100Y	Conductivity	1289	µS/cm
2502141100Y	DTW	139.95	ft
2502141100Y	Formation Pressure		psia
2502141100Y	pH	7.85	NA
2502141100Y	Temperature	19.3	ºC
2502141100Y	Turbidity	1.11	NTU

Well ID	300-E-183	Event Date	2/14/2025	
Sample	**Parameter**		**Result**	**Units**
2502141310Y	Atmospheric Pressure		12.25	psia
2502141310Y	Conductivity		983	µS/cm
2502141310Y	DTW		139.95	ft
2502141310Y	Formation Pressure			psia
2502141310Y	pH		8.24	NA
2502141310Y	Temperature		20.2	ºC
2502141310Y	Turbidity		1.42	NTU
2502141351Y	Atmospheric Pressure		12.28	psia
2502141351Y	Conductivity		975	µS/cm
2502141351Y	DTW		140.03	ft
2502141351Y	Formation Pressure			psia
2502141351Y	pH		8.15	NA
2502141351Y	Temperature		20.4	ºC
2502141351Y	Turbidity		1.16	NTU

Well ID	400-001-GW	Event Date	2/19/2025	
Sample	**Parameter**		**Result**	**Units**
2502191315A	Atmospheric Pressure			psia
2502191315A	Conductivity		1319	µS/cm
2502191315A	DTW		149.2	ft
2502191315A	Formation Pressure			psia
2502191315A	pH		7.58	NA
2502191315A	Temperature		22.3	ºC
2502191315A	Turbidity		8.28	NTU
2502191340A	Atmospheric Pressure			psia
2502191340A	Conductivity		1321	µS/cm
2502191340A	DTW			ft
2502191340A	Formation Pressure			psia
2502191340A	pH		7.61	NA
2502191340A	Temperature		22.3	ºC
2502191340A	Turbidity		8.17	NTU

Well ID	400-EV-131	Event Date	2/19/2025	
Sample	**Parameter**		**Result**	**Units**
2502191000C	Atmospheric Pressure			psia
2502191000C	Conductivity		1246.3	µS/cm
2502191000C	DTW		141.9	ft
2502191000C	Formation Pressure			psia
2502191000C	pH		7.33	NA
2502191000C	Temperature		18.4	ºC
2502191000C	Turbidity		0.52	NTU
2502191005C	Atmospheric Pressure			psia
2502191005C	Conductivity		1230.2	µS/cm
2502191005C	DTW			ft
2502191005C	Formation Pressure			psia
2502191005C	pH		7.31	NA
2502191005C	Temperature		18.4	ºC
2502191005C	Turbidity		0.5	NTU
2502191010C	Atmospheric Pressure			psia
2502191010C	Conductivity		1239.9	µS/cm
2502191010C	DTW			ft
2502191010C	Formation Pressure			psia
2502191010C	pH		7.26	NA
2502191010C	Temperature		18.3	ºC
2502191010C	Turbidity		0.49	NTU

Well ID	400-FV-131	Event Date	4/17/2025	
Sample	**Parameter**		**Result**	**Units**
2504171355C	Conductivity		1236.7	µS/cm
2504171355C	DO		4.88	mg/L
2504171355C	DTW		128.10	ft
2504171355C	ORP		38.4	mV
2504171355C	pH		7.42	NA
2504171355C	Temperature		21.74	ºC
2504171355C	Turbidity		0.86	NTU
2504171357C	Conductivity		1200.8	µS/cm
2504171357C	DO		4.85	mg/L
2504171357C	DTW		128.10	ft
2504171357C	ORP		38.5	mV
2504171357C	pH		7.44	NA
2504171357C	Temperature		21.71	ºC
2504171357C	Turbidity		0.88	NTU
2504171359C	Conductivity		1220.5	µS/cm
2504171359C	DO		4.86	mg/L
2504171359C	DTW		128.10	ft
2504171359C	ORP		38.9	mV
2504171359C	pH		7.47	NA
2504171359C	Temperature		21.68	ºC
2504171359C	Turbidity		0.72	NTU

Well ID	400-GV-125	Event Date	2/19/2025	
Sample	**Parameter**		**Result**	**Units**
2502191410C	Atmospheric Pressure			psia
2502191410C	Conductivity		1335.2	µS/cm
2502191410C	DTW		129.6	ft
2502191410C	Formation Pressure			psia
2502191410C	pH		7.32	NA
2502191410C	Temperature		20.71	ºC
2502191410C	Turbidity			NTU
2502191415C	Atmospheric Pressure			psia
2502191415C	Conductivity		1340.1	µS/cm
2502191415C	DTW		129.6	ft
2502191415C	Formation Pressure			psia
2502191415C	pH		7.3	NA
2502191415C	Temperature		20.72	ºC
2502191415C	Turbidity			NTU
2502191420C	Atmospheric Pressure			psia
2502191420C	Conductivity		1341.1	µS/cm
2502191420C	DTW			ft
2502191420C	Formation Pressure			psia
2502191420C	pH		7.25	NA
2502191420C	Temperature		20.82	ºC
2502191420C	Turbidity			NTU

Well ID	400-HV-147	Event Date	4/17/2025	
Sample	**Parameter**		**Result**	**Units**
2504171010C	Conductivity		2143.8	µS/cm
2504171010C	DO		1.41	mg/L
2504171010C	DTW		138.40	ft
2504171010C	ORP		44.1	mV
2504171010C	pH		7.55	NA
2504171010C	Temperature		21.91	ºC
2504171010C	Turbidity		1.38	NTU
2504171012C	Conductivity		2135.5	µS/cm
2504171012C	DO		1.18	mg/L
2504171012C	DTW		138.40	ft
2504171012C	ORP		46.9	mV
2504171012C	pH		7.59	NA
2504171012C	Temperature		21.77	ºC
2504171012C	Turbidity		1.24	NTU
2504171014C	Conductivity		2142.3	µS/cm
2504171014C	DO		1.22	mg/L
2504171014C	DTW		138.40	ft
2504171014C	ORP		46.8	mV
2504171014C	pH		7.62	NA
2504171014C	Temperature		21.76	ºC
2504171014C	Turbidity		1.18	NTU

Well ID	400-JV-150	Event Date	2/20/2025	
Sample	**Parameter**		**Result**	**Units**
2502201340A	Atmospheric Pressure			psia
2502201340A	Conductivity		1963	µS/cm
2502201340A	DTW			ft
2502201340A	Formation Pressure			psia
2502201340A	pH		7.21	NA
2502201340A	Temperature		20.66	ºC
2502201340A	Turbidity		5.76	NTU
2502201342A	Atmospheric Pressure			psia
2502201342A	Conductivity		1960	µS/cm
2502201342A	DTW			ft
2502201342A	Formation Pressure			psia
2502201342A	pH		7.19	NA
2502201342A	Temperature		20.65	ºC
2502201342A	Turbidity		5.68	NTU
2502201344A	Atmospheric Pressure			psia
2502201344A	Conductivity		1962	µS/cm
2502201344A	DTW			ft
2502201344A	Formation Pressure			psia
2502201344A	pH		7.18	NA
2502201344A	Temperature		20.65	ºC
2502201344A	Turbidity		5.65	NTU

Well ID	600A-001-GW-1	Event Date	3/19/2025	
Sample	**Parameter**		**Result**	**Units**
2503191000A	Atmospheric Pressure			psia
2503191000A	Atmospheric Pressure			psia
2503191000A	Conductivity			µS/cm
2503191000A	Conductivity		1534	µS/cm
2503191000A	Conductivity			µS/cm
2503191000A	DTW			ft
2503191000A	DTW		173.45	ft
2503191000A	Formation Pressure			psia
2503191000A	Formation Pressure			psia
2503191000A	pH			NA
2503191000A	pH			NA
2503191000A	pH		7.34	NA
2503191000A	Temperature			ºC
2503191000A	Temperature		15	ºC
2503191000A	Temperature			ºC
2503191000A	Turbidity			NTU
2503191000A	Turbidity			NTU
2503191000A	Turbidity		130	NTU
2503191004A	Atmospheric Pressure			psia
2503191004A	Conductivity		1570	µS/cm
2503191004A	DTW			ft
2503191004A	Formation Pressure			psia
2503191004A	pH		7.43	NA
2503191004A	Temperature		15.9	ºC
2503191004A	Turbidity		22.3	NTU
2503191322A	Atmospheric Pressure			psia
2503191322A	Conductivity		1699	µS/cm
2503191322A	DTW			ft
2503191322A	Formation Pressure			psia
2503191322A	pH		7.54	NA
2503191322A	Temperature		18.4	ºC
2503191322A	Turbidity		14.1	NTU

Well ID	600A-002-GW-1	Event Date	3/20/2025	
Sample	**Parameter**		**Result**	**Units**
2503201000A	Atmospheric Pressure			psia
2503201000A	Conductivity		1188	µS/cm
2503201000A	DTW		173.45	ft
2503201000A	Formation Pressure			psia
2503201000A	pH		7.72	NA
2503201000A	Temperature		15.8	ºC
2503201000A	Turbidity		2.07	NTU
2503201006A	Atmospheric Pressure			psia
2503201006A	Conductivity		1180	µS/cm
2503201006A	DTW			ft
2503201006A	Formation Pressure			psia
2503201006A	pH		7.78	NA
2503201006A	Temperature		18.6	ºC
2503201006A	Turbidity		1.27	NTU
2503201305A	Atmospheric Pressure			psia
2503201305A	Conductivity		1076	µS/cm
2503201305A	DTW			ft
2503201305A	Formation Pressure			psia
2503201305A	pH		7.84	NA
2503201305A	Temperature		20.1	ºC
2503201305A	Turbidity		2.77	NTU

Well ID	600A-004-GW	Event Date	4/17/2025	
Sample	**Parameter**		**Result**	**Units**
2504171300A	Conductivity		2023	µS/cm
2504171300A	DTW		186.25	ft
2504171300A	pH		8.28	NA
2504171300A	Temperature		20.1	ºC
2504171300A	Turbidity		5.09	NTU

Well ID	600C-005-GW	Event Date	4/21/2025	
Sample	**Parameter**		**Result**	**Units**
2504210940A	Conductivity		773	µS/cm
2504210940A	DO		718	mg/L
2504210940A	DTW		388.05	ft
2504210940A	ORP		116	mV
2504210940A	pH		7.77	NA
2504210940A	Temperature		20.34	ºC
2504210940A	Turbidity		1.3	NTU
2504210942A	Conductivity		771	µS/cm
2504210942A	DO		721	mg/L
2504210942A	DTW		388.05	ft
2504210942A	ORP		119	mV
2504210942A	pH		7.73	NA
2504210942A	Temperature		20.33	ºC
2504210942A	Turbidity		1.2	NTU
2504210944A	Conductivity		774	µS/cm
2504210944A	DO		7.18	mg/L
2504210944A	DTW		398.05	ft
2504210944A	ORP		117	mV
2504210944A	pH		7.72	NA
2504210944A	Temperature		20.33	ºC
2504210944A	Turbidity		1.2	NTU

Well ID	600-C-173	Event Date	3/25/2025	
Sample	**Parameter**		**Result**	**Units**
2503251340C	Atmospheric Pressure			psia
2503251340C	Conductivity		19121.74	µS/cm
2503251340C	DTW		178.72	ft
2503251340C	Formation Pressure			psia
2503251340C	pH		7.23	NA
2503251340C	Temperature		22.4	ºC
2503251340C	Turbidity		6.81	NTU
2503251343C	Atmospheric Pressure			psia
2503251343C	Conductivity		19204.12	µS/cm
2503251343C	DTW			ft
2503251343C	Formation Pressure			psia
2503251343C	pH		7.26	NA
2503251343C	Temperature		22.48	ºC
2503251343C	Turbidity		6.13	NTU
2503251346C	Atmospheric Pressure			psia
2503251346C	Conductivity		19272.34	µS/cm
2503251346C	DTW			ft
2503251346C	Formation Pressure			psia
2503251346C	pH		7.27	NA
2503251346C	Temperature		22.52	ºC
2503251346C	Turbidity		5.73	NTU

Well ID	600-E-280	Event Date	2/13/2025	
Sample	**Parameter**		**Result**	**Units**
2502131300Y	Atmospheric Pressure		12.42	psia
2502131300Y	Conductivity		1485	µS/cm
2502131300Y	DTW		261.71	ft
2502131300Y	Formation Pressure			psia
2502131300Y	pH		8.05	NA
2502131300Y	Temperature		21.4	ºC
2502131300Y	Turbidity		1.06	NTU

Well ID	600-G-138	Event Date	2/25/2025	
Sample	**Parameter**		**Result**	**Units**
2502251050Y	Atmospheric Pressure			psia
2502251050Y	Conductivity		1893	µS/cm
2502251050Y	DTW		145.09	ft
2502251050Y	Formation Pressure			psia
2502251050Y	pH		6.76	NA
2502251050Y	Temperature		19.5	ºC
2502251050Y	Turbidity		1.14	NTU
2502251058Y	Atmospheric Pressure			psia
2502251058Y	Conductivity		1911	µS/cm
2502251058Y	DTW		147.05	ft
2502251058Y	Formation Pressure			psia
2502251058Y	pH		6.98	NA
2502251058Y	Temperature		20.5	ºC
2502251058Y	Turbidity		0.67	NTU

Well ID	700-A-253	Event Date	4/8/2025	
Sample	**Parameter**		**Result**	**Units**
2504080930C	Atmospheric Pressure			psia
2504080930C	Conductivity		1027	µS/cm
2504080930C	DTW		187.25	ft
2504080930C	Formation Pressure			psia
2504080930C	pH		7.65	NA
2504080930C	Temperature		21.28	ºC
2504080930C	Turbidity		0.31	NTU
2504080932C	Atmospheric Pressure			psia
2504080932C	Conductivity		1025	µS/cm
2504080932C	DTW			ft
2504080932C	Formation Pressure			psia
2504080932C	pH		7.62	NA
2504080932C	Temperature		21.27	ºC
2504080932C	Turbidity		0.36	NTU
2504080934C	Atmospheric Pressure			psia
2504080934C	Conductivity		1028	µS/cm
2504080934C	DTW			ft
2504080934C	Formation Pressure			psia
2504080934C	pH		7.6	NA
2504080934C	Temperature		21.27	ºC
2504080934C	Turbidity		0.32	NTU

Well ID	700-B-510	Event Date	3/24/2025	
Sample	**Parameter**		**Result**	**Units**
2503241410C	Atmospheric Pressure			psia
2503241410C	Conductivity		556.99	µS/cm
2503241410C	DTW			ft
2503241410C	Formation Pressure			psia
2503241410C	pH		8.92	NA
2503241410C	Temperature		22.36	ºC
2503241410C	Turbidity		0.46	NTU
2503241411C	Atmospheric Pressure			psia
2503241411C	Conductivity		554.7	µS/cm
2503241411C	DTW			ft
2503241411C	Formation Pressure			psia
2503241411C	pH		8.92	NA
2503241411C	Temperature		22.37	ºC
2503241411C	Turbidity		0.48	NTU
2503241412C	Atmospheric Pressure			psia
2503241412C	Conductivity		556.45	µS/cm
2503241412C	DTW			ft
2503241412C	Formation Pressure			psia
2503241412C	pH		8.92	NA
2503241412C	Temperature		22.37	ºC
2503241412C	Turbidity		0.25	NTU

Well ID	700-D-186	Event Date	4/7/2025	
Sample	**Parameter**		**Result**	**Units**
2504070930C	Atmospheric Pressure			psia
2504070930C	Conductivity		1273	µS/cm
2504070930C	DTW		176.8	ft
2504070930C	Formation Pressure			psia
2504070930C	pH		7.36	NA
2504070930C	Temperature		21.12	ºC
2504070930C	Turbidity		1.26	NTU
2504070932C	Atmospheric Pressure			psia
2504070932C	Conductivity		1270	µS/cm
2504070932C	DTW			ft
2504070932C	Formation Pressure			psia
2504070932C	pH		7.28	NA
2504070932C	Temperature		21.13	ºC
2504070932C	Turbidity		1.23	NTU
2504070934C	Atmospheric Pressure			psia
2504070934C	Conductivity		1271	µS/cm
2504070934C	DTW			ft
2504070934C	Formation Pressure			psia
2504070934C	pH		7.33	NA
2504070934C	Temperature		21.12	ºC
2504070934C	Turbidity		1.25	NTU

Well ID	700-H-350	Event Date	2/25/2025	
Sample	**Parameter**		**Result**	**Units**
2502250945Y	Atmospheric Pressure		12.3	psia
2502250945Y	Conductivity		946	µS/cm
2502250945Y	DTW		288.4	ft
2502250945Y	Formation Pressure			psia
2502250945Y	pH		8.15	NA
2502250945Y	Temperature		22.8	ºC
2502250945Y	Turbidity		1.7	NTU
2502251015Y	Atmospheric Pressure		12.32	psia
2502251015Y	Conductivity		966	µS/cm
2502251015Y	DTW			ft
2502251015Y	Formation Pressure			psia
2502251015Y	pH		8.45	NA
2502251015Y	Temperature		22.7	ºC
2502251015Y	Turbidity		1.92	NTU
2504081345Y	Atmospheric Pressure		12.29	psia
2504081345Y	Conductivity		838	µS/cm
2504081345Y	DTW		288.6	ft
2504081345Y	Formation Pressure			psia
2504081345Y	pH		8.17	NA
2504081345Y	Temperature		22.1	ºC
2504081345Y	Turbidity		1.51	NTU
2504091331Y	Atmospheric Pressure		12.31	psia
2504091331Y	Conductivity		850	µS/cm
2504091331Y	DTW			ft
2504091331Y	Formation Pressure			psia
2504091331Y	pH		8.1	NA
2504091331Y	Temperature		22.7	ºC
2504091331Y	Turbidity		1.31	NTU

Well ID	700-H-535	Event Date	4/8/2025	
Sample	**Parameter**		**Result**	**Units**
2504080925Y	Atmospheric Pressure		12.28	psia
2504080925Y	Conductivity		780	µS/cm
2504080925Y	DTW		288.51	ft
2504080925Y	Formation Pressure			psia
2504080925Y	pH		8.19	NA
2504080925Y	Temperature		22.5	ºC
2504080925Y	Turbidity		1.66	NTU
2504081110Y	Atmospheric Pressure		12.3	psia
2504081110Y	Conductivity		789	µS/cm
2504081110Y	DTW		288.6	ft
2504081110Y	Formation Pressure			psia
2504081110Y	pH		8.22	NA
2504081110Y	Temperature		22.7	ºC
2504081110Y	Turbidity		1.36	NTU

Well ID	700-H-670	Event Date	4/7/2025	
Sample	**Parameter**		**Result**	**Units**
2504071000Y	Atmospheric Pressure		12.4	psia
2504071000Y	Conductivity		712	µS/cm
2504071000Y	DTW		288.39	ft
2504071000Y	Formation Pressure			psia
2504071000Y	pH		8.36	NA
2504071000Y	Temperature		22	ºC
2504071000Y	Turbidity		1.5	NTU
2504071440Y	Atmospheric Pressure		12.38	psia
2504071440Y	Conductivity		695	µS/cm
2504071440Y	DTW			ft
2504071440Y	Formation Pressure			psia
2504071440Y	pH		8.29	NA
2504071440Y	Temperature		22.4	ºC
2504071440Y	Turbidity		1.37	NTU

Well ID	700-J-200	Event Date	4/7/2025	
Sample	**Parameter**		**Result**	**Units**
2504071415C	Atmospheric Pressure			psia
2504071415C	Conductivity		1177	µS/cm
2504071415C	DTW		118.75	ft
2504071415C	Formation Pressure			psia
2504071415C	pH		7.75	NA
2504071415C	Temperature		21.88	ºC
2504071415C	Turbidity		1.06	NTU
2504071417C	Atmospheric Pressure			psia
2504071417C	Conductivity		1173	µS/cm
2504071417C	DTW			ft
2504071417C	Formation Pressure			psia
2504071417C	pH		7.73	NA
2504071417C	Temperature		21.87	ºC
2504071417C	Turbidity		1.02	NTU
2504071419C	Atmospheric Pressure			psia
2504071419C	Conductivity		1176	µS/cm
2504071419C	DTW			ft
2504071419C	Formation Pressure			psia
2504071419C	pH		7.72	NA
2504071419C	Temperature		21.87	ºC
2504071419C	Turbidity		1.03	NTU

Well ID	BLM-10-517	Event Date	4/15/2025	
Sample	**Parameter**		**Result**	**Units**
2504151415C	Conductivity		992.94	µS/cm
2504151415C	DO		6.77	mg/L
2504151415C	DTW			ft
2504151415C	ORP		116.8	mV
2504151415C	pH		7.70	NA
2504151415C	Temperature		21.01	ºC
2504151415C	Turbidity		1.48	NTU
2504151417C	Conductivity		969.11	µS/cm
2504151417C	DO		6.79	mg/L
2504151417C	DTW			ft
2504151417C	ORP		117.1	mV
2504151417C	pH		7.72	NA
2504151417C	Temperature		21.04	ºC
2504151417C	Turbidity		1.45	NTU
2504151419C	Conductivity		977.19	µS/cm
2504151419C	DO		6.82	mg/L
2504151419C	DTW			ft
2504151419C	ORP		115.7	mV
2504151419C	pH		7.76	NA
2504151419C	Temperature		21.07	ºC
2504151419C	Turbidity		1.40	NTU

Well ID	BLM-13-300	Event Date	3/3/2025	
Sample	**Parameter**		**Result**	**Units**
2503030930A	Atmospheric Pressure			psia
2503030930A	Conductivity		1133.3	µS/cm
2503030930A	DTW		248.9	ft
2503030930A	Formation Pressure			psia
2503030930A	pH		7.78	NA
2503030930A	Temperature		19.22	ºC
2503030930A	Turbidity		1.2	NTU
2503030933A	Atmospheric Pressure			psia
2503030933A	Conductivity		1132	µS/cm
2503030933A	DTW		248.9	ft
2503030933A	Formation Pressure			psia
2503030933A	pH		7.77	NA
2503030933A	Temperature		19.2	ºC
2503030933A	Turbidity		1.06	NTU
2503030936A	Atmospheric Pressure			psia
2503030936A	Conductivity		1130.4	µS/cm
2503030936A	DTW		248.95	ft
2503030936A	Formation Pressure			psia
2503030936A	pH		7.75	NA
2503030936A	Temperature		19.24	ºC
2503030936A	Turbidity		1.03	NTU

Well ID	BLM-14-327	Event Date	2/25/2025	
Sample	**Parameter**		**Result**	**Units**
2502250830C	Atmospheric Pressure			psia
2502250830C	Conductivity		1173	µS/cm
2502250830C	DTW		278.12	ft
2502250830C	Formation Pressure			psia
2502250830C	pH		7.31	NA
2502250830C	Temperature		20.71	ºC
2502250830C	Turbidity		1.17	NTU
2502250833C	Atmospheric Pressure			psia
2502250833C	Conductivity		1152.5	µS/cm
2502250833C	DTW		278.12	ft
2502250833C	Formation Pressure			psia
2502250833C	pH		7.28	NA
2502250833C	Temperature		20.69	ºC
2502250833C	Turbidity		1.05	NTU
2502250836C	Atmospheric Pressure			psia
2502250836C	Conductivity		1138.8	µS/cm
2502250836C	DTW			ft
2502250836C	Formation Pressure			psia
2502250836C	pH		7.27	NA
2502250836C	Temperature		20.75	ºC
2502250836C	Turbidity		0.96	NTU
2504081345C	Atmospheric Pressure			psia
2504081345C	Conductivity		1206	µS/cm
2504081345C	DTW		276.05	ft
2504081345C	Formation Pressure			psia
2504081345C	pH		7.57	NA
2504081345C	Temperature		21.36	ºC
2504081345C	Turbidity		0.69	NTU
2504081347C	Atmospheric Pressure			psia
2504081347C	Conductivity		1211	µS/cm
2504081347C	DTW			ft
2504081347C	Formation Pressure			psia
2504081347C	pH		7.58	NA
2504081347C	Temperature		21.4	ºC
2504081347C	Turbidity		0.73	NTU
2504081349C	Atmospheric Pressure			psia
2504081349C	Conductivity		1213	µS/cm
2504081349C	DTW			ft
2504081349C	Formation Pressure			psia
2504081349C	pH		7.61	NA
2504081349C	Temperature		21.48	ºC
2504081349C	Turbidity		0.71	NTU

Well ID	BLM-21-400	Event Date	2/18/2025	
Sample	**Parameter**		**Result**	**Units**
2502181400C	Atmospheric Pressure			psia
2502181400C	Conductivity		12.28	µS/cm
2502181400C	DTW		338.3	ft
2502181400C	Formation Pressure			psia
2502181400C	pH		9.89	NA
2502181400C	Temperature		20.7	ºC
2502181400C	Turbidity		1.83	NTU
2502181405C	Atmospheric Pressure			psia
2502181405C	Conductivity		12.3	µS/cm
2502181405C	DTW		338.3	ft
2502181405C	Formation Pressure			psia
2502181405C	pH		9.7	NA
2502181405C	Temperature		20.8	ºC
2502181405C	Turbidity		1.29	NTU
2502181410C	Atmospheric Pressure			psia
2502181410C	Conductivity		12.0	µS/cm
2502181410C	DTW		338.3	ft
2502181410C	Formation Pressure			psia
2502181410C	pH		9.79	NA
2502181410C	Temperature		20.9	ºC
2502181410C	Turbidity		1.1	NTU

Well ID	BLM-23-431	Event Date	2/11/2025	
Sample	**Parameter**		**Result**	**Units**
2502111355A	Atmospheric Pressure			psia
2502111355A	Conductivity		1255.4	µS/cm
2502111355A	DTW			ft
2502111355A	Formation Pressure			psia
2502111355A	pH		7.28	NA
2502111355A	Temperature		20.66	ºC
2502111355A	Turbidity		1.17	NTU
2502111356A	Atmospheric Pressure			psia
2502111356A	Conductivity		1257	µS/cm
2502111356A	DTW			ft
2502111356A	Formation Pressure			psia
2502111356A	pH		7.33	NA
2502111356A	Temperature		20.68	ºC
2502111356A	Turbidity		1.25	NTU
2502111357A	Atmospheric Pressure			psia
2502111357A	Conductivity		1258.4	µS/cm
2502111357A	DTW			ft
2502111357A	Formation Pressure			psia
2502111357A	pH		7.33	NA
2502111357A	Temperature		20.66	ºC
2502111357A	Turbidity		1.2	NTU

Well ID	BLM-3-182	Event Date	2/25/2025	
Sample	**Parameter**		**Result**	**Units**
2502251000C	Atmospheric Pressure			psia
2502251000C	Conductivity		3793	µS/cm
2502251000C	DTW		178.71	ft
2502251000C	Formation Pressure			psia
2502251000C	pH		8.03	NA
2502251000C	Temperature		21.19	ºC
2502251000C	Turbidity		3.97	NTU
2502251003C	Atmospheric Pressure			psia
2502251003C	Conductivity		3809.5	µS/cm
2502251003C	DTW			ft
2502251003C	Formation Pressure			psia
2502251003C	pH		8.04	NA
2502251003C	Temperature		21.25	ºC
2502251003C	Turbidity		4.02	NTU
2502251006C	Atmospheric Pressure			psia
2502251006C	Conductivity		3822.2	µS/cm
2502251006C	DTW			ft
2502251006C	Formation Pressure			psia
2502251006C	pH		8.04	NA
2502251006C	Temperature		21.29	ºC
2502251006C	Turbidity		3.7	NTU

Well ID	BLM-32-543	Event Date	2/6/2025	
Sample	**Parameter**		**Result**	**Units**
2502061130B	Atmospheric Pressure			psia
2502061130B	Conductivity		9.96	µS/cm
2502061130B	DTW			ft
2502061130B	Formation Pressure			psia
2502061130B	pH		8.74	NA
2502061130B	Temperature		21.5	ºC
2502061130B	Turbidity		0.15	NTU
2502061147B	Atmospheric Pressure			psia
2502061147B	Conductivity		9.97	µS/cm
2502061147B	DTW			ft
2502061147B	Formation Pressure			psia
2502061147B	pH		8.71	NA
2502061147B	Temperature		21.5	ºC
2502061147B	Turbidity			NTU

Well ID	BLM-32-571	Event Date	2/6/2025	
Sample	**Parameter**		**Result**	**Units**
2502061136B	Atmospheric Pressure			psia
2502061136B	Conductivity		9.65	µS/cm
2502061136B	DTW			ft
2502061136B	Formation Pressure			psia
2502061136B	pH		8.5	NA
2502061136B	Temperature		20.9	ºC
2502061136B	Turbidity		2.11	NTU
2502061205B	Atmospheric Pressure			psia
2502061205B	Conductivity		969	µS/cm
2502061205B	DTW			ft
2502061205B	Formation Pressure			psia
2502061205B	pH		8.52	NA
2502061205B	Temperature		20.8	ºC
2502061205B	Turbidity		1.98	NTU

Well ID	BLM-32-632	Event Date	2/6/2025	
Sample	**Parameter**		**Result**	**Units**
2502061141B	Atmospheric Pressure			psia
2502061141B	Conductivity		9.55	µS/cm
2502061141B	DTW			ft
2502061141B	Formation Pressure			psia
2502061141B	pH		8.58	NA
2502061141B	Temperature		20.9	ºC
2502061141B	Turbidity		0.44	NTU
2502061230B	Atmospheric Pressure			psia
2502061230B	Conductivity		9.6	µS/cm
2502061230B	DTW			ft
2502061230B	Formation Pressure			psia
2502061230B	pH		8.53	NA
2502061230B	Temperature		20.8	ºC
2502061230B	Turbidity		0.49	NTU

Well ID	BLM-39-385	Event Date	4/2/2025	
Sample	**Parameter**		**Result**	**Units**
2504020936Y	Atmospheric Pressure		12.34	psia
2504020936Y	Conductivity		998	µS/cm
2504020936Y	DTW		373.3	ft
2504020936Y	Formation Pressure			psia
2504020936Y	pH		7.97	NA
2504020936Y	Temperature		17.9	ºC
2504020936Y	Turbidity		1.85	NTU

Well ID	BLM-39-560	Event Date	4/1/2025	
Sample	**Parameter**		**Result**	**Units**
2504010930Y	Atmospheric Pressure		12.33	psia
2504010930Y	Conductivity		624	µS/cm
2504010930Y	DTW		373.16	ft
2504010930Y	Formation Pressure			psia
2504010930Y	pH		8.41	NA
2504010930Y	Temperature		21.1	ºC
2504010930Y	Turbidity		2.45	NTU
2504011112Y	Atmospheric Pressure		12.3	psia
2504011112Y	Conductivity		609	µS/cm
2504011112Y	DTW		373.3	ft
2504011112Y	Formation Pressure			psia
2504011112Y	pH		8.32	NA
2504011112Y	Temperature		21.7	ºC
2504011112Y	Turbidity		2.03	NTU

Well ID	BLM-40-517	Event Date	4/3/2025	
Sample	**Parameter**		**Result**	**Units**
2504030910A	Atmospheric Pressure			psia
2504030910A	Conductivity		671.1	µS/cm
2504030910A	DTW		529.73	ft
2504030910A	Formation Pressure			psia
2504030910A	pH		8.46	NA
2504030910A	Temperature		17.89	ºC
2504030910A	Turbidity		2.23	NTU
2504030913A	Atmospheric Pressure			psia
2504030913A	Conductivity		674.38	µS/cm
2504030913A	DTW			ft
2504030913A	Formation Pressure			psia
2504030913A	pH		8.43	NA
2504030913A	Temperature		18.01	ºC
2504030913A	Turbidity		1.94	NTU
2504030916A	Atmospheric Pressure			psia
2504030916A	Conductivity		675.62	µS/cm
2504030916A	DTW			ft
2504030916A	Formation Pressure			psia
2504030916A	pH		8.42	NA
2504030916A	Temperature		18.04	ºC
2504030916A	Turbidity		1.7	NTU

Well ID	BLM-40-595	Event Date	4/9/2025	
Sample	**Parameter**		**Result**	**Units**
2504090950C	Atmospheric Pressure			psia
2504090950C	Conductivity		560	µS/cm
2504090950C	DTW			ft
2504090950C	Formation Pressure			psia
2504090950C	pH		8.09	NA
2504090950C	Temperature		20.67	ºC
2504090950C	Turbidity		0.46	NTU
2504090952C	Atmospheric Pressure			psia
2504090952C	Conductivity		562	µS/cm
2504090952C	DTW			ft
2504090952C	Formation Pressure			psia
2504090952C	pH		8.03	NA
2504090952C	Temperature		20.66	ºC
2504090952C	Turbidity		0.49	NTU
2504090954C	Atmospheric Pressure			psia
2504090954C	Conductivity		560	µS/cm
2504090954C	DTW			ft
2504090954C	Formation Pressure			psia
2504090954C	pH		8.01	NA
2504090954C	Temperature		20.67	ºC
2504090954C	Turbidity		0.44	NTU

Well ID	BLM-40-688	Event Date	4/11/2025	
Sample	**Parameter**		**Result**	**Units**
2504110850C	Conductivity		693	µS/cm
2504110850C	DO		6.21	mg/L
2504110850C	DTW		NA	ft
2504110850C	ORP		169	mV
2504110850C	pH		8.10	NA
2504110850C	Temperature		20.13	ºC
2504110850C	Turbidity		1.65	NTU
2504110852C	Conductivity		696	µS/cm
2504110852C	DO		6.17	mg/L
2504110852C	DTW		na	ft
2504110852C	ORP		170	mV
2504110852C	pH		8.06	NA
2504110852C	Temperature		20.12	ºC
2504110852C	Turbidity		1.61	NTU
2504110853C	Conductivity		697	µS/cm
2504110853C	DO		6.18	mg/L
2504110853C	DTW			ft
2504110853C	ORP		170	mV
2504110853C	pH		8.09	NA
2504110853C	Temperature		20.12	ºC
2504110853C	Turbidity		1.66	NTU

Well ID	BLM-41-420	Event Date	4/16/2025	
Sample	**Parameter**		**Result**	**Units**
2504160940C	Conductivity		1015.9	µS/cm
2504160940C	DO		4.15	mg/L
2504160940C	DTW		354.65	ft
2504160940C	ORP		92.7	mV
2504160940C	pH		7.37	NA
2504160940C	Temperature		21.54	ºC
2504160940C	Turbidity		1.82	NTU
2504160942C	Conductivity		1013.1	µS/cm
2504160942C	DO		4.08	mg/L
2504160942C	DTW		354.65	ft
2504160942C	ORP		93.0	mV
2504160942C	pH		7.36	NA
2504160942C	Temperature		21.55	ºC
2504160942C	Turbidity		1.54	NTU
2504160944C	Conductivity		1011.7	µS/cm
2504160944C	DO		4.03	mg/L
2504160944C	DTW		354.65	ft
2504160944C	ORP		95.8	mV
2504160944C	pH		7.36	NA
2504160944C	Temperature		21.57	ºC
2504160944C	Turbidity		1.20	NTU

Well ID	BLM-41-670	Event Date	4/16/2025	
Sample	**Parameter**		**Result**	**Units**
2504161400C	Conductivity		1007.3	µS/cm
2504161400C	DO		1.24	mg/L
2504161400C	DTW		NA	ft
2504161400C	ORP		-213	mV
2504161400C	pH		7.58	NA
2504161400C	Temperature		22.39	ºC
2504161400C	Turbidity		0.42	NTU
2504161402C	Conductivity		1000.7	µS/cm
2504161402C	DO		1.29	mg/L
2504161402C	DTW		NA	ft
2504161402C	ORP		-212	mV
2504161402C	pH		7.59	NA
2504161402C	Temperature		22.42	ºC
2504161402C	Turbidity		0.39	NTU
2504161404C	Conductivity		1001.3	µS/cm
2504161404C	DO		1.32	mg/L
2504161404C	DTW		NA	ft
2504161404C	ORP		-213	mV
2504161404C	pH		7.60	NA
2504161404C	Temperature		22.40	ºC
2504161404C	Turbidity		0.28	NTU

Well ID	BLM-42-569	Event Date	3/6/2025	
Sample	**Parameter**		**Result**	**Units**
2503061040A	Atmospheric Pressure			psia
2503061040A	Conductivity		648	µS/cm
2503061040A	DTW			ft
2503061040A	Formation Pressure			psia
2503061040A	pH		8.06	NA
2503061040A	Temperature		19.3	ºC
2503061040A	Turbidity		0.71	NTU
2503061045A	Atmospheric Pressure			psia
2503061045A	Conductivity		645	µS/cm
2503061045A	DTW			ft
2503061045A	Formation Pressure			psia
2503061045A	pH		7.95	NA
2503061045A	Temperature		20	ºC
2503061045A	Turbidity		0.93	NTU
2503061050A	Atmospheric Pressure			psia
2503061050A	Conductivity		651	µS/cm
2503061050A	DTW			ft
2503061050A	Formation Pressure			psia
2503061050A	pH		8.01	NA
2503061050A	Temperature		20.1	ºC
2503061050A	Turbidity		0.77	NTU

Well ID	BLM-42-709	Event Date	3/12/2025	
Sample	**Parameter**		**Result**	**Units**
2503121400A	Atmospheric Pressure			psia
2503121400A	Conductivity		573	µS/cm
2503121400A	DTW			ft
2503121400A	Formation Pressure			psia
2503121400A	pH		8.09	NA
2503121400A	Temperature		21.39	ºC
2503121400A	Turbidity		0.59	NTU
2503121402A	Atmospheric Pressure			psia
2503121402A	Conductivity		571	µS/cm
2503121402A	DTW			ft
2503121402A	Formation Pressure			psia
2503121402A	pH		8.03	NA
2503121402A	Temperature		21.38	ºC
2503121402A	Turbidity		0.53	NTU
2503121404A	Atmospheric Pressure			psia
2503121404A	Conductivity		574	µS/cm
2503121404A	DTW			ft
2503121404A	Formation Pressure			psia
2503121404A	pH		8.04	NA
2503121404A	Temperature		21.38	ºC
2503121404A	Turbidity		0.57	NTU

Well ID	BLM-5-527	Event Date	3/20/2025	
Sample	**Parameter**		**Result**	**Units**
2503201415C	Atmospheric Pressure			psia
2503201415C	Conductivity		903	µS/cm
2503201415C	DTW			ft
2503201415C	Formation Pressure			psia
2503201415C	pH		7.66	NA
2503201415C	Temperature		21.11	ºC
2503201415C	Turbidity		0.65	NTU
2503201417C	Atmospheric Pressure			psia
2503201417C	Conductivity		905	µS/cm
2503201417C	DTW			ft
2503201417C	Formation Pressure			psia
2503201417C	pH		7.61	NA
2503201417C	Temperature		21.12	ºC
2503201417C	Turbidity		0.67	NTU
2503201419C	Atmospheric Pressure			psia
2503201419C	Conductivity		902	µS/cm
2503201419C	DTW			ft
2503201419C	Formation Pressure			psia
2503201419C	pH		7.63	NA
2503201419C	Temperature		21.12	ºC
2503201419C	Turbidity		0.62	NTU

Well ID	BLM-6-488	Event Date	2/24/2025	
Sample	**Parameter**		**Result**	**Units**
2502241020C	Atmospheric Pressure			psia
2502241020C	Conductivity		1396	µS/cm
2502241020C	DTW		360	ft
2502241020C	Formation Pressure			psia
2502241020C	pH		7.31	NA
2502241020C	Temperature		20.72	ºC
2502241020C	Turbidity		2.53	NTU
2502241023C	Atmospheric Pressure			psia
2502241023C	Conductivity		1394.4	µS/cm
2502241023C	DTW		360	ft
2502241023C	Formation Pressure			psia
2502241023C	pH		7.33	NA
2502241023C	Temperature		20.79	ºC
2502241023C	Turbidity		2.22	NTU
2502241026C	Atmospheric Pressure			psia
2502241026C	Conductivity		1391.8	µS/cm
2502241026C	DTW		360	ft
2502241026C	Formation Pressure			psia
2502241026C	pH		7.34	NA
2502241026C	Temperature		20.86	ºC
2502241026C	Turbidity		1.89	NTU
2504021415A	Atmospheric Pressure		12.33	psia
2504021415A	Conductivity		982	µS/cm
2504021415A	DTW		373.32	ft
2504021415A	Formation Pressure			psia
2504021415A	pH		7.81	NA
2504021415A	Temperature		18.8	ºC
2504021415A	Turbidity		1.79	NTU

Well ID	BLM-7-509	Event Date	3/18/2025	
Sample	**Parameter**		**Result**	**Units**
2503180915C	Atmospheric Pressure			psia
2503180915C	Conductivity		962	µS/cm
2503180915C	DTW		498.5	ft
2503180915C	Formation Pressure			psia
2503180915C	pH		7.65	NA
2503180915C	Temperature		20.17	ºC
2503180915C	Turbidity		1.59	NTU
2503180917C	Atmospheric Pressure			psia
2503180917C	Conductivity		961	µS/cm
2503180917C	DTW			ft
2503180917C	Formation Pressure			psia
2503180917C	pH		7.61	NA
2503180917C	Temperature		20.18	ºC
2503180917C	Turbidity		1.46	NTU
2503180919C	Atmospheric Pressure			psia
2503180919C	Conductivity		962	µS/cm
2503180919C	DTW			ft
2503180919C	Formation Pressure			psia
2503180919C	pH		7.62	NA
2503180919C	Temperature		20.18	ºC
2503180919C	Turbidity		1.52	NTU

Well ID	BLM-9-419	Event Date	3/14/2025	
Sample	**Parameter**		**Result**	**Units**
2503141250C	Atmospheric Pressure			psia
2503141250C	Conductivity		820.42	µS/cm
2503141250C	DTW		378.45	ft
2503141250C	Formation Pressure			psia
2503141250C	pH		7.66	NA
2503141250C	Temperature		19.25	ºC
2503141250C	Turbidity		0.68	NTU
2503141255C	Atmospheric Pressure			psia
2503141255C	Conductivity		818.62	µS/cm
2503141255C	DTW			ft
2503141255C	Formation Pressure			psia
2503141255C	pH		7.65	NA
2503141255C	Temperature		19.23	ºC
2503141255C	Turbidity		0.47	NTU
2503141300C	Atmospheric Pressure			psia
2503141300C	Conductivity		813.27	µS/cm
2503141300C	DTW			ft
2503141300C	Formation Pressure			psia
2503141300C	pH		7.64	NA
2503141300C	Temperature		19.24	ºC
2503141300C	Turbidity		0.55	NTU

Well ID	BW-1-268	Event Date	3/24/2025	
Sample	**Parameter**		**Result**	**Units**
2503240925C	Atmospheric Pressure			psia
2503240925C	Conductivity		1200.3	µS/cm
2503240925C	DTW			ft
2503240925C	Formation Pressure			psia
2503240925C	pH		7.37	NA
2503240925C	Temperature		20.63	ºC
2503240925C	Turbidity		1.4	NTU
2503240926C	Atmospheric Pressure			psia
2503240926C	Conductivity		1202.6	µS/cm
2503240926C	DTW			ft
2503240926C	Formation Pressure			psia
2503240926C	pH		7.37	NA
2503240926C	Temperature		20.69	ºC
2503240926C	Turbidity		1.49	NTU
2503240927C	Atmospheric Pressure			psia
2503240927C	Conductivity		1201.9	µS/cm
2503240927C	DTW			ft
2503240927C	Formation Pressure			psia
2503240927C	pH		7.37	NA
2503240927C	Temperature		20.7	ºC
2503240927C	Turbidity		1.58	NTU

Well ID	BW-3-180	Event Date	4/16/2025	
Sample	**Parameter**		**Result**	**Units**
2504160918A	Conductivity		2090	µS/cm
2504160918A	DO		8.21	mg/L
2504160918A	DTW		174.35	ft
2504160918A	ORP		84.9	mV
2504160918A	pH		8.23	NA
2504160918A	Temperature		20.50	ºC
2504160918A	Turbidity		9.99	NTU
2504160920A	Conductivity		2096	µS/cm
2504160920A	DO		8.19	mg/L
2504160920A	DTW		174.35	ft
2504160920A	ORP		84.8	mV
2504160920A	pH		8.18	NA
2504160920A	Temperature		20.51	ºC
2504160920A	Turbidity		9.99	NTU
2504160922A	Conductivity		2094	µS/cm
2504160922A	DO		8.16	mg/L
2504160922A	DTW		174.49	ft
2504160922A	ORP		84.9	mV
2504160922A	pH		8.21	NA
2504160922A	Temperature		20.51	ºC
2504160922A	Turbidity		9.99	NTU

Well ID	BW-4-330	Event Date	2/20/2025	
Sample	**Parameter**		**Result**	**Units**
2502200910A	Atmospheric Pressure			psia
2502200910A	Conductivity		4122	µS/cm
2502200910A	DTW		197.26	ft
2502200910A	Formation Pressure			psia
2502200910A	pH		12.38	NA
2502200910A	Temperature		19.52	ºC
2502200910A	Turbidity		999	NTU
2502200912A	Atmospheric Pressure			psia
2502200912A	Conductivity		4125	µS/cm
2502200912A	DTW			ft
2502200912A	Formation Pressure			psia
2502200912A	pH		12.29	NA
2502200912A	Temperature		19.51	ºC
2502200912A	Turbidity		999	NTU
2502200914A	Atmospheric Pressure			psia
2502200914A	Conductivity		4123	µS/cm
2502200914A	DTW			ft
2502200914A	Formation Pressure			psia
2502200914A	pH		12.29	NA
2502200914A	Temperature		19.51	ºC
2502200914A	Turbidity		999	NTU

Well ID	BW-6-355	Event Date	3/6/2025	
Sample	**Parameter**		**Result**	**Units**
2503060900C	Atmospheric Pressure			psia
2503060900C	Conductivity		976.3	µS/cm
2503060900C	DTW		247.4	ft
2503060900C	Formation Pressure			psia
2503060900C	pH		7.92	NA
2503060900C	Temperature		21.41	ºC
2503060900C	Turbidity		1.14	NTU
2503060903C	Atmospheric Pressure			psia
2503060903C	Conductivity		979.81	µS/cm
2503060903C	DTW		247.4	ft
2503060903C	Formation Pressure			psia
2503060903C	pH		7.9	NA
2503060903C	Temperature		21.36	ºC
2503060903C	Turbidity		1.07	NTU
2503060906C	Atmospheric Pressure			psia
2503060906C	Atmospheric Pressure			psia
2503060906C	Conductivity			µS/cm
2503060906C	Conductivity		982.25	µS/cm
2503060906C	Conductivity			µS/cm
2503060906C	DTW			ft
2503060906C	DTW			ft
2503060906C	DTW			ft
2503060906C	Formation Pressure			psia
2503060906C	Formation Pressure			psia
2503060906C	pH			NA
2503060906C	pH		7.9	NA
2503060906C	pH			NA
2503060906C	Temperature			ºC
2503060906C	Temperature			ºC
2503060906C	Temperature		21.35	ºC
2503060906C	Turbidity			NTU
2503060906C	Turbidity		1	NTU
2503060906C	Turbidity			NTU

Well ID	JER-1-483	Event Date	4/8/2025	
Sample	**Parameter**		**Result**	**Units**
2504081138B	Atmospheric Pressure			psia
2504081138B	Conductivity		1074	µS/cm
2504081138B	DTW			ft
2504081138B	Formation Pressure			psia
2504081138B	pH		8.13	NA
2504081138B	Temperature		21.5	ºC
2504081138B	Turbidity		2.2	NTU
2504081219B	Atmospheric Pressure			psia
2504081219B	Conductivity		1084	µS/cm
2504081219B	DTW			ft
2504081219B	Formation Pressure			psia
2504081219B	pH		7.92	NA
2504081219B	Temperature		21.8	ºC
2504081219B	Turbidity		0.69	NTU

Well ID	JER-1-563	Event Date	4/8/2025	
Sample	**Parameter**		**Result**	**Units**
2504081146B	Atmospheric Pressure			psia
2504081146B	Conductivity		1151	µS/cm
2504081146B	DTW			ft
2504081146B	Formation Pressure			psia
2504081146B	pH		8.05	NA
2504081146B	Temperature		22.1	ºC
2504081146B	Turbidity		1.39	NTU
2504081233B	Atmospheric Pressure			psia
2504081233B	Conductivity		1154	µS/cm
2504081233B	DTW			ft
2504081233B	Formation Pressure			psia
2504081233B	pH		7.77	NA
2504081233B	Temperature		21.8	ºC
2504081233B	Turbidity		0.53	NTU

Well ID	JER-1-683	Event Date	4/8/2025	
Sample	**Parameter**		**Result**	**Units**
2504081153B	Atmospheric Pressure			psia
2504081153B	Conductivity		1093	µS/cm
2504081153B	DTW			ft
2504081153B	Formation Pressure			psia
2504081153B	pH		8.45	NA
2504081153B	Temperature		21.5	ºC
2504081153B	Turbidity		1	NTU
2504081249B	Atmospheric Pressure			psia
2504081249B	Conductivity		1120	µS/cm
2504081249B	DTW			ft
2504081249B	Formation Pressure			psia
2504081249B	pH		7.45	NA
2504081249B	Temperature		21.4	ºC
2504081249B	Turbidity		0.53	NTU

Well ID	JER-2-504	Event Date	4/9/2025	
Sample	**Parameter**		**Result**	**Units**
2504091050B	Atmospheric Pressure			psia
2504091050B	Conductivity		1006	µS/cm
2504091050B	DTW			ft
2504091050B	Formation Pressure			psia
2504091050B	pH		7.84	NA
2504091050B	Temperature		22	ºC
2504091050B	Turbidity		3.95	NTU
2504091129B	Atmospheric Pressure			psia
2504091129B	Conductivity		986	µS/cm
2504091129B	DTW			ft
2504091129B	Formation Pressure			psia
2504091129B	pH		7.91	NA
2504091129B	Temperature		24.4	ºC
2504091129B	Turbidity		1.51	NTU

Well ID	JER-2-584	Event Date	4/9/2025	
Sample	**Parameter**		**Result**	**Units**
2504091055B	Atmospheric Pressure			psia
2504091055B	Conductivity		1050	µS/cm
2504091055B	DTW			ft
2504091055B	Formation Pressure			psia
2504091055B	pH		7.57	NA
2504091055B	Temperature		22.2	ºC
2504091055B	Turbidity		2.10	NTU
2504091145B	Atmospheric Pressure			psia
2504091145B	Conductivity		1050	µS/cm
2504091145B	DTW			ft
2504091145B	Formation Pressure			psia
2504091145B	pH		7.76	NA
2504091145B	Temperature		22.4	ºC
2504091145B	Turbidity		1	NTU

Well ID	JER-2-684	Event Date	4/9/2025	
Sample	**Parameter**		**Result**	**Units**
2504091100B	Atmospheric Pressure			psia
2504091100B	Conductivity		1056	µS/cm
2504091100B	DTW			ft
2504091100B	Formation Pressure			psia
2504091100B	pH		7.57	NA
2504091100B	Temperature		22	ºC
2504091100B	Turbidity		4.61	NTU
2504091203B	Atmospheric Pressure			psia
2504091203B	Conductivity		1038	µS/cm
2504091203B	DTW			ft
2504091203B	Formation Pressure			psia
2504091203B	pH		7.64	NA
2504091203B	Temperature		24.6	ºC
2504091203B	Turbidity		0.83	NTU

Well ID	JP-1-424	Event Date	4/14/2025	
Sample	**Parameter**		**Result**	**Units**
2504141000C	Conductivity		998.22	µS/cm
2504141000C	DO		7.51	mg/L
2504141000C	DTW		419.10	ft
2504141000C	ORP		128.5	mV
2504141000C	pH		7.77	NA
2504141000C	Temperature		21.13	ºC
2504141000C	Turbidity		0.41	NTU
2504141002C	Conductivity		1003.3	µS/cm
2504141002C	DO		7.47	mg/L
2504141002C	DTW		419.10	ft
2504141002C	ORP		128.9	mV
2504141002C	pH		7.78	NA
2504141002C	Temperature		21.15	ºC
2504141002C	Turbidity		0.34	NTU
2504141004C	Conductivity		1000.5	µS/cm
2504141004C	DO		7.40	mg/L
2504141004C	DTW		419.10	ft
2504141004C	ORP		129.0	mV
2504141004C	pH		7.79	NA
2504141004C	Temperature		21.17	ºC
2504141004C	Turbidity		0.28	NTU

Well ID	JP-2-447	Event Date	4/14/2025	
Sample	**Parameter**		**Result**	**Units**
2504141425C	Conductivity		1050.0	µS/cm
2504141425C	DO		3.94	mg/L
2504141425C	DTW		419.34	ft
2504141425C	ORP		98.6	mV
2504141425C	pH		7.76	NA
2504141425C	Temperature		21.96	ºC
2504141425C	Turbidity		0.34	NTU
2504141428C	Conductivity		1058.8	µS/cm
2504141428C	DO		3.75	mg/L
2504141428C	DTW		419.34	ft
2504141428C	ORP		99.1	mV
2504141428C	pH		7.75	NA
2504141428C	Temperature		21.98	ºC
2504141428C	Turbidity		0.28	NTU
2504141431C	Conductivity		1064.7	µS/cm
2504141431C	DO		3.83	mg/L
2504141431C	DTW		419.34	ft
2504141431C	ORP		100.4	mV
2504141431C	pH		7.74	NA
2504141431C	Temperature		22.00	ºC
2504141431C	Turbidity		0.21	NTU

Well ID	JP-3-509	Event Date	4/10/2025	
Sample	**Parameter**		**Result**	**Units**
2504100915C	Atmospheric Pressure			psia
2504100915C	Conductivity		1004	µS/cm
2504100915C	DTW			ft
2504100915C	Formation Pressure			psia
2504100915C	pH		7.61	NA
2504100915C	Temperature		20.84	ºC
2504100915C	Turbidity		0.56	NTU
2504100917C	Atmospheric Pressure			psia
2504100917C	Conductivity		1005	µS/cm
2504100917C	DTW			ft
2504100917C	Formation Pressure			psia
2504100917C	pH		7.57	NA
2504100917C	Temperature		20.84	ºC
2504100917C	Turbidity		0.61	NTU
2504100919C	Atmospheric Pressure			psia
2504100919C	Conductivity		1001	µS/cm
2504100919C	DTW			ft
2504100919C	Formation Pressure			psia
2504100919C	pH		7.58	NA
2504100919C	Temperature		20.87	ºC
2504100919C	Turbidity		0.58	NTU

Well ID	JP-3-689	Event Date	4/10/2025	
Sample	**Parameter**		**Result**	**Units**
2504101410C	Atmospheric Pressure			psia
2504101410C	Conductivity		1015	µS/cm
2504101410C	DTW			ft
2504101410C	Formation Pressure			psia
2504101410C	pH		7.77	NA
2504101410C	Temperature		21.87	ºC
2504101410C	Turbidity		0.97	NTU
2504101412C	Atmospheric Pressure			psia
2504101412C	Conductivity		1012	µS/cm
2504101412C	DTW			ft
2504101412C	Formation Pressure			psia
2504101412C	pH		7.71	NA
2504101412C	Temperature		21.87	ºC
2504101412C	Turbidity		0.93	NTU
2504101414C	Atmospheric Pressure			psia
2504101414C	Conductivity		1011	µS/cm
2504101414C	DTW			ft
2504101414C	Formation Pressure			psia
2504101414C	pH		7.75	NA
2504101414C	Temperature		21.88	ºC
2504101414C	Turbidity		0.96	NTU

Well ID	NASA 10	Event Date	3/26/2025	
Sample	**Parameter**		**Result**	**Units**
2503261415C	Atmospheric Pressure			psia
2503261415C	Conductivity		879	µS/cm
2503261415C	DTW		123.3	ft
2503261415C	Formation Pressure			psia
2503261415C	pH		8.12	NA
2503261415C	Temperature		23.1	ºC
2503261415C	Turbidity		5.17	NTU
2503261425C	Atmospheric Pressure			psia
2503261425C	Conductivity		875	µS/cm
2503261425C	DTW			ft
2503261425C	Formation Pressure			psia
2503261425C	pH		8.08	NA
2503261425C	Temperature		24	ºC
2503261425C	Turbidity		5.01	NTU

Well ID	NASA 3	Event Date	2/14/2025	
Sample	**Parameter**		**Result**	**Units**
2502141240A	Atmospheric Pressure			psia
2502141240A	Conductivity		888.54	µS/cm
2502141240A	DTW			ft
2502141240A	Formation Pressure			psia
2502141240A	pH		7.17	NA
2502141240A	Temperature		20.66	ºC
2502141240A	Turbidity		1.53	NTU
2502141241A	Atmospheric Pressure			psia
2502141241A	Conductivity		888.87	µS/cm
2502141241A	DTW			ft
2502141241A	Formation Pressure			psia
2502141241A	pH		7.19	NA
2502141241A	Temperature		20.66	ºC
2502141241A	Turbidity		1.7	NTU
2502141242A	Atmospheric Pressure			psia
2502141242A	Conductivity		888.8	µS/cm
2502141242A	DTW			ft
2502141242A	Formation Pressure			psia
2502141242A	pH		7.19	NA
2502141242A	Temperature		20.66	ºC
2502141242A	Turbidity		1.21	NTU
2503270925A	Atmospheric Pressure			psia
2503270925A	Conductivity		886.71	µS/cm
2503270925A	DTW		126.1	ft
2503270925A	Formation Pressure			psia
2503270925A	pH		7.29	NA
2503270925A	Temperature		20.16	ºC
2503270925A	Turbidity		1.15	NTU
2503270928A	Atmospheric Pressure			psia
2503270928A	Conductivity		886.36	µS/cm
2503270928A	DTW			ft
2503270928A	Formation Pressure			psia
2503270928A	pH		7.29	NA
2503270928A	Temperature		20.19	ºC
2503270928A	Turbidity		1.02	NTU
2503270931A	Atmospheric Pressure			psia
2503270931A	Conductivity		884.18	µS/cm
2503270931A	DTW			ft
2503270931A	Formation Pressure			psia
2503270931A	pH		7.3	NA
2503270931A	Temperature		20.14	ºC
2503270931A	Turbidity		0.95	NTU

Well ID	NASA 4	Event Date	3/27/2025	
Sample	**Parameter**		**Result**	**Units**
2503271000C	Atmospheric Pressure			psia
2503271000C	Conductivity		1284	µS/cm
2503271000C	DTW		136.8	ft
2503271000C	Formation Pressure			psia
2503271000C	pH		8.7	NA
2503271000C	Temperature		21	ºC
2503271000C	Turbidity		9.2	NTU
2503271010C	Atmospheric Pressure			psia
2503271010C	Conductivity		1280	µS/cm
2503271010C	DTW			ft
2503271010C	Formation Pressure			psia
2503271010C	pH		8.78	NA
2503271010C	Temperature		22.4	ºC
2503271010C	Turbidity		8.81	NTU

Well ID	NASA 5	Event Date	3/26/2025	
Sample	**Parameter**		**Result**	**Units**
2503261000C	Atmospheric Pressure			psia
2503261000C	Conductivity		1301	µS/cm
2503261000C	DTW		117.5	ft
2503261000C	Formation Pressure			psia
2503261000C	pH		7.05	NA
2503261000C	Temperature		21.4	ºC
2503261000C	Turbidity		5.11	NTU
2503261015C	Atmospheric Pressure			psia
2503261015C	Conductivity		1253	µS/cm
2503261015C	DTW			ft
2503261015C	Formation Pressure			psia
2503261015C	pH		7.85	NA
2503261015C	Temperature		21.3	ºC
2503261015C	Turbidity		5.17	NTU

Well ID	PL-10-484	Event Date	4/14/2025	
Sample	**Parameter**		**Result**	**Units**
2504141415Y	Atmospheric Pressure		12.58	psia
2504141415Y	Conductivity		1067	µS/cm
2504141415Y	DTW		471.62	ft
2504141415Y	Formation Pressure			psia
2504141415Y	pH		8.01	NA
2504141415Y	Temperature		23.8	ºC
2504141415Y	Turbidity		3.28	NTU
2504151100Y	Atmospheric Pressure		12.57	psia
2504151100Y	Conductivity		1061	µS/cm
2504151100Y	DTW		471.70	ft
2504151100Y	Formation Pressure			psia
2504151100Y	pH		8.05	NA
2504151100Y	Temperature		23.7	ºC
2504151100Y	Turbidity		3.01	NTU

Well ID	PL-10-592	Event Date	4/14/2025	
Sample	**Parameter**		**Result**	**Units**
2504140930Y	Atmospheric Pressure		12.50	psia
2504140930Y	Conductivity		1071	µS/cm
2504140930Y	DTW		471.54	ft
2504140930Y	Formation Pressure			psia
2504140930Y	pH		7.95	NA
2504140930Y	Temperature		23.6	ºC
2504140930Y	Turbidity		2.64	NTU
2504141250Y	Atmospheric Pressure		12.50	psia
2504141250Y	Conductivity		1068	µS/cm
2504141250Y	DTW		471.62	ft
2504141250Y	Formation Pressure			psia
2504141250Y	pH		7.91	NA
2504141250Y	Temperature		23.6	ºC
2504141250Y	Turbidity		2.51	NTU

Well ID	PL-10-813	Event Date	4/10/2025	
Sample	**Parameter**		**Result**	**Units**
2504100910Y	Atmospheric Pressure		12.59	psia
2504100910Y	Conductivity		1001	µS/cm
2504100910Y	DTW		471.45	ft
2504100910Y	Formation Pressure			psia
2504100910Y	pH		7.82	NA
2504100910Y	Temperature		22.1	ºC
2504100910Y	Turbidity		1.36	NTU
2504101103Y	Atmospheric Pressure		12.61	psia
2504101103Y	Conductivity		992	µS/cm
2504101103Y	DTW		471.54	ft
2504101103Y	Formation Pressure			psia
2504101103Y	pH		7.91	NA
2504101103Y	Temperature		22.9	ºC
2504101103Y	Turbidity		1.13	NTU

Well ID	PL-10-962	Event Date	4/10/2025	
Sample	**Parameter**		**Result**	**Units**
2504101400Y	Atmospheric Pressure		12.58	psia
2504101400Y	Conductivity		1040	µS/cm
2504101400Y	DTW		471.54	ft
2504101400Y	Formation Pressure			psia
2504101400Y	pH		NA	NA
2504101400Y	Temperature		23.5	ºC
2504101400Y	Turbidity		1.56	NTU
2504101505Y	Atmospheric Pressure		12.6	psia
2504101505Y	Conductivity		1053	µS/cm
2504101505Y	DTW		471.71	ft
2504101505Y	Formation Pressure			psia
2504101505Y	pH		8.01	NA
2504101505Y	Temperature		23.2	ºC
2504101505Y	Turbidity		1.3	NTU

Well ID	PL-11-470	Event Date	3/3/2025	
Sample	**Parameter**		**Result**	**Units**
2503031200B	Atmospheric Pressure			psia
2503031200B	Conductivity		1101	µS/cm
2503031200B	DTW			ft
2503031200B	Formation Pressure			psia
2503031200B	pH		8.21	NA
2503031200B	Temperature		18.4	ºC
2503031200B	Turbidity		1.56	NTU
2503031220B	Atmospheric Pressure			psia
2503031220B	Conductivity		1111	µS/cm
2503031220B	DTW			ft
2503031220B	Formation Pressure			psia
2503031220B	pH		8.25	NA
2503031220B	Temperature		18.6	ºC
2503031220B	Turbidity		1.47	NTU

Well ID	PL-11-530	Event Date	3/3/2025	
Sample	**Parameter**		**Result**	**Units**
2503031250B	Atmospheric Pressure			psia
2503031250B	Conductivity		1048	µS/cm
2503031250B	DTW			ft
2503031250B	Formation Pressure			psia
2503031250B	pH		8.48	NA
2503031250B	Temperature		16.9	ºC
2503031250B	Turbidity		1.56	NTU
2503031310B	Atmospheric Pressure			psia
2503031310B	Conductivity		1052	µS/cm
2503031310B	DTW			ft
2503031310B	Formation Pressure			psia
2503031310B	pH		8.5	NA
2503031310B	Temperature		16.7	ºC
2503031310B	Turbidity		1.21	NTU

Well ID	PL-11-710	Event Date	3/4/2025	
Sample	**Parameter**		**Result**	**Units**
2503041130B	Atmospheric Pressure			psia
2503041130B	Conductivity		1115	µS/cm
2503041130B	DTW			ft
2503041130B	Formation Pressure			psia
2503041130B	pH		7.27	NA
2503041130B	Temperature		20.3	ºC
2503041130B	Turbidity		2.24	NTU
2503041150B	Atmospheric Pressure			psia
2503041150B	Conductivity		1127	µS/cm
2503041150B	DTW			ft
2503041150B	Formation Pressure			psia
2503041150B	pH		7.33	NA
2503041150B	Temperature		20.6	ºC
2503041150B	Turbidity		2.12	NTU

Well ID	PL-11-820	Event Date	3/4/2025	
Sample	**Parameter**		**Result**	**Units**
2503041210B	Atmospheric Pressure			psia
2503041210B	Conductivity		1034	µS/cm
2503041210B	DTW			ft
2503041210B	Formation Pressure			psia
2503041210B	pH		8.49	NA
2503041210B	Temperature		19.2	ºC
2503041210B	Turbidity		1.95	NTU
2503041220B	Atmospheric Pressure			psia
2503041220B	Conductivity		1071	µS/cm
2503041220B	DTW			ft
2503041220B	Formation Pressure			psia
2503041220B	pH		8.5	NA
2503041220B	Temperature		19.8	ºC
2503041220B	Turbidity		1.37	NTU

Well ID	PL-11-980	Event Date	3/4/2025	
Sample	**Parameter**		**Result**	**Units**
2503041230B	Atmospheric Pressure			psia
2503041230B	Conductivity		968	µS/cm
2503041230B	DTW			ft
2503041230B	Formation Pressure			psia
2503041230B	pH		8.68	NA
2503041230B	Temperature		20	ºC
2503041230B	Turbidity		1.07	NTU
2503041250B	Atmospheric Pressure			psia
2503041250B	Conductivity		971	µS/cm
2503041250B	DTW			ft
2503041250B	Formation Pressure			psia
2503041250B	pH		8.51	NA
2503041250B	Temperature		20.3	ºC
2503041250B	Turbidity		1.12	NTU

Well ID	PL-12-570	Event Date	2/13/2025	
Sample	**Parameter**		**Result**	**Units**
2502131400A	Atmospheric Pressure			psia
2502131400A	Conductivity		1103	µS/cm
2502131400A	DTW			ft
2502131400A	Formation Pressure			psia
2502131400A	pH		7.41	NA
2502131400A	Temperature		17.6	ºC
2502131400A	Turbidity		1.46	NTU

Well ID	PL-12-800	Event Date	2/13/2025	
Sample	**Parameter**		**Result**	**Units**
2502130940A	Atmospheric Pressure			psia
2502130940A	Conductivity		1130	µS/cm
2502130940A	DTW			ft
2502130940A	Formation Pressure			psia
2502130940A	pH		7.14	NA
2502130940A	Temperature		16.5	ºC
2502130940A	Turbidity		1.33	NTU

Well ID	PL-1-486	Event Date	4/15/2025	
Sample	**Parameter**		**Result**	**Units**
2504151000C	Conductivity		1018.7	µS/cm
2504151000C	DO		6.99	mg/L
2504151000C	DTW		491.75	ft
2504151000C	ORP		102.2	mV
2504151000C	pH		7.65	NA
2504151000C	Temperature		20.53	ºC
2504151000C	Turbidity		1.10	NTU
2504151002C	Conductivity		1024.1	µS/cm
2504151002C	DO		7.06	mg/L
2504151002C	DTW		491.75	ft
2504151002C	ORP		102.6	mV
2504151002C	pH		7.65	NA
2504151002C	Temperature		20.50	ºC
2504151002C	Turbidity		0.88	NTU
2504151004C	Conductivity		1020.2	µS/cm
2504151004C	DO		6.98	mg/L
2504151004C	DTW		491.75	ft
2504151004C	ORP		102.9	mV
2504151004C	pH		7.63	NA
2504151004C	Temperature		20.55	ºC
2504151004C	Turbidity		0.65	NTU

Well ID	PL-2-504	Event Date	3/13/2025	
Sample	**Parameter**		**Result**	**Units**
2503131340A	Atmospheric Pressure			psia
2503131340A	Conductivity		934.48	µS/cm
2503131340A	DTW			ft
2503131340A	Formation Pressure			psia
2503131340A	pH		7.94	NA
2503131340A	Temperature		21.71	ºC
2503131340A	Turbidity		0.78	NTU
2503131345A	Atmospheric Pressure			psia
2503131345A	Conductivity		928.94	µS/cm
2503131345A	DTW			ft
2503131345A	Formation Pressure			psia
2503131345A	pH		7.93	NA
2503131345A	Temperature		20.97	ºC
2503131345A	Turbidity		0.88	NTU
2503131350A	Atmospheric Pressure			psia
2503131350A	Conductivity		931.24	µS/cm
2503131350A	DTW			ft
2503131350A	Formation Pressure			psia
2503131350A	pH		7.93	NA
2503131350A	Temperature		21.28	ºC
2503131350A	Turbidity		0.65	NTU

Well ID	PL-4-464	Event Date	3/5/2025	
Sample	**Parameter**		**Result**	**Units**
2503050900A	Atmospheric Pressure			psia
2503050900A	Conductivity		1109	µS/cm
2503050900A	DTW			ft
2503050900A	Formation Pressure			psia
2503050900A	pH		7.46	NA
2503050900A	Temperature		17.5	ºC
2503050900A	Turbidity		0.32	NTU
2503050905A	Atmospheric Pressure			psia
2503050905A	Conductivity		1102	µS/cm
2503050905A	DTW			ft
2503050905A	Formation Pressure			psia
2503050905A	pH		8.49	NA
2503050905A	Temperature		17.8	ºC
2503050905A	Turbidity		0.82	NTU
2503050910A	Atmospheric Pressure			psia
2503050910A	Conductivity		1105	µS/cm
2503050910A	DTW			ft
2503050910A	Formation Pressure			psia
2503050910A	pH		7.85	NA
2503050910A	Temperature		19.1	ºC
2503050910A	Turbidity		0.45	NTU

Well ID	PL-6-545	Event Date	2/3/2025	
Sample	**Parameter**		**Result**	**Units**
2502031009Y	Atmospheric Pressure		12.45	psia
2502031009Y	Conductivity		10.30	µS/cm
2502031009Y	DTW		473.85	ft
2502031009Y	Formation Pressure			psia
2502031009Y	pH		7.94	NA
2502031009Y	Temperature		21.1	ºC
2502031009Y	Turbidity		1.92	NTU
2502031355Y	Atmospheric Pressure		12.46	psia
2502031355Y	Conductivity		10.27	µS/cm
2502031355Y	DTW		473.91	ft
2502031355Y	Formation Pressure			psia
2502031355Y	pH		7.89	NA
2502031355Y	Temperature		21.8	ºC
2502031355Y	Turbidity		1.64	NTU
2504031306Y	Atmospheric Pressure		12.33	psia
2504031306Y	Conductivity		979	µS/cm
2504031306Y	DTW			ft
2504031306Y	Formation Pressure			psia
2504031306Y	pH		8.35	NA
2504031306Y	Temperature		22.5	ºC
2504031306Y	Turbidity		2.67	NTU
2504031433Y	Atmospheric Pressure		12.34	psia
2504031433Y	Conductivity		1058	µS/cm
2504031433Y	DTW			ft
2504031433Y	Formation Pressure			psia
2504031433Y	pH		7.97	NA
2504031433Y	Temperature		21.5	ºC
2504031433Y	Turbidity		1.46	NTU

Well ID	PL-6-725	Event Date	4/2/2025	
Sample	**Parameter**		**Result**	**Units**
2504021436Y	Atmospheric Pressure		12.31	psia
2504021436Y	Conductivity		884	µS/cm
2504021436Y	DTW		452	ft
2504021436Y	Formation Pressure			psia
2504021436Y	pH		7.48	NA
2504021436Y	Temperature		21.1	ºC
2504021436Y	Turbidity		5.82	NTU
2504030946Y	Atmospheric Pressure		12.33	psia
2504030946Y	Conductivity		1048	µS/cm
2504030946Y	DTW			ft
2504030946Y	Formation Pressure			psia
2504030946Y	pH		7.61	NA
2504030946Y	Temperature		21.4	ºC
2504030946Y	Turbidity		2.23	NTU

Well ID	PL-7-560	Event Date	2/6/2025	
Sample	**Parameter**		**Result**	**Units**
2502061325Y	Atmospheric Pressure		12.43	psia
2502061325Y	Conductivity		8.98	µS/cm
2502061325Y	DTW		486.14	ft
2502061325Y	Formation Pressure			psia
2502061325Y	pH		7.71	NA
2502061325Y	Temperature		23.4	ºC
2502061325Y	Turbidity		1.32	NTU
2502061425Y	Atmospheric Pressure		12.43	psia
2502061425Y	Conductivity		8.9	µS/cm
2502061425Y	DTW		486.14	ft
2502061425Y	Formation Pressure			psia
2502061425Y	pH		7.68	NA
2502061425Y	Temperature		22.9	ºC
2502061425Y	Turbidity		1.32	NTU

Well ID	PL-7-630	Event Date	2/5/2025	
Sample	**Parameter**		**Result**	**Units**
2502060825Y	Atmospheric Pressure		12.47	psia
2502060825Y	Conductivity		9.69	µS/cm
2502060825Y	DTW		486.05	ft
2502060825Y	Formation Pressure			psia
2502060825Y	pH		8.15	NA
2502060825Y	Temperature		21	ºC
2502060825Y	Turbidity		3.58	NTU
2502061017Y	Atmospheric Pressure		12.47	psia
2502061017Y	Conductivity		9.78	µS/cm
2502061017Y	DTW		486.14	ft
2502061017Y	Formation Pressure			psia
2502061017Y	pH		8.10	NA
2502061017Y	Temperature		21.3	ºC
2502061017Y	Turbidity		3.29	NTU

Well ID	PL-8-455	Event Date	3/17/2025	
Sample	**Parameter**		**Result**	**Units**
2503171105Y	Atmospheric Pressure		12.52	psia
2503171105Y	Conductivity		1000	µS/cm
2503171105Y	DTW		456.89	ft
2503171105Y	Formation Pressure			psia
2503171105Y	pH		7.34	NA
2503171105Y	Temperature		21.4	ºC
2503171105Y	Turbidity		1.42	NTU
2503171400Y	Atmospheric Pressure		12.54	psia
2503171400Y	Conductivity		1083	µS/cm
2503171400Y	DTW		457.05	ft
2503171400Y	Formation Pressure			psia
2503171400Y	pH		7.17	NA
2503171400Y	Temperature		22.6	ºC
2503171400Y	Turbidity		1.84	NTU

Well ID	PL-8-605	Event Date	3/13/2025	
Sample	**Parameter**		**Result**	**Units**
2503130940Y	Atmospheric Pressure		12.42	psia
2503130940Y	Conductivity		1095	µS/cm
2503130940Y	DTW		456.4	ft
2503130940Y	Formation Pressure			psia
2503130940Y	pH		7.43	NA
2503130940Y	Temperature		20.8	ºC
2503130940Y	Turbidity		1.12	NTU
2503131315Y	Atmospheric Pressure		12.45	psia
2503131315Y	Conductivity		1083	µS/cm
2503131315Y	DTW		456.52	ft
2503131315Y	Formation Pressure			psia
2503131315Y	pH		7.25	NA
2503131315Y	Temperature		21.8	ºC
2503131315Y	Turbidity		1.07	NTU

Well ID	PL-8-780	Event Date	3/18/2025	
Sample	**Parameter**		**Result**	**Units**
2503180940Y	Atmospheric Pressure		12.43	psia
2503180940Y	Conductivity		955	µS/cm
2503180940Y	DTW		457.05	ft
2503180940Y	Formation Pressure			psia
2503180940Y	pH		7.83	NA
2503180940Y	Temperature		21.8	ºC
2503180940Y	Turbidity		1.63	NTU
2503181255Y	Atmospheric Pressure		12.44	psia
2503181255Y	Conductivity		1009	µS/cm
2503181255Y	DTW		457.25	ft
2503181255Y	Formation Pressure			psia
2503181255Y	pH		7.54	NA
2503181255Y	Temperature		22.2	ºC
2503181255Y	Turbidity		1.27	NTU

Well ID	PL-8-965	Event Date	3/13/2025	
Sample	**Parameter**		**Result**	**Units**
2503131450Y	Atmospheric Pressure		12.41	psia
2503131450Y	Conductivity		878	µS/cm
2503131450Y	DTW		456.52	ft
2503131450Y	Formation Pressure			psia
2503131450Y	pH		7.57	NA
2503131450Y	Temperature		23.6	ºC
2503131450Y	Turbidity		1.43	NTU
2503170948Y	Atmospheric Pressure		12.48	psia
2503170948Y	Conductivity		1038	µS/cm
2503170948Y	DTW		456.89	ft
2503170948Y	Formation Pressure			psia
2503170948Y	pH		7.65	NA
2503170948Y	Temperature		17.1	ºC
2503170948Y	Turbidity		1.28	NTU

Well ID	ST-1-541	Event Date	2/24/2025	
Sample	**Parameter**		**Result**	**Units**
2502241440C	Atmospheric Pressure			psia
2502241440C	Conductivity			µS/cm
2502241440C	DTW			ft
2502241440C	Formation Pressure			psia
2502241440C	pH			NA
2502241440C	Temperature			ºC
2502241440C	Turbidity			NTU

Well ID	ST-2-466	Event Date	2/11/2025	
Sample	**Parameter**		**Result**	**Units**
2502111030A	Atmospheric Pressure			psia
2502111030A	Conductivity		988.78	µS/cm
2502111030A	DTW			ft
2502111030A	Formation Pressure			psia
2502111030A	pH		7.56	NA
2502111030A	Temperature		20.23	ºC
2502111030A	Turbidity		1.15	NTU
2502111031A	Atmospheric Pressure			psia
2502111031A	Conductivity		990.45	µS/cm
2502111031A	DTW			ft
2502111031A	Formation Pressure			psia
2502111031A	pH		7.56	NA
2502111031A	Temperature		20.24	ºC
2502111031A	Turbidity		1.23	NTU
2502111032A	Atmospheric Pressure			psia
2502111032A	Conductivity		990.55	µS/cm
2502111032A	DTW			ft
2502111032A	Formation Pressure			psia
2502111032A	pH		7.56	NA
2502111032A	Temperature		20.23	ºC
2502111032A	Turbidity		0.91	NTU

Well ID	ST-4-481	Event Date	3/5/2025	
Sample	**Parameter**		**Result**	**Units**
2503051400A	Atmospheric Pressure			psia
2503051400A	Conductivity		1096	µS/cm
2503051400A	DTW		464.9	ft
2503051400A	Formation Pressure			psia
2503051400A	pH		7.42	NA
2503051400A	Temperature		19.9	ºC
2503051400A	Turbidity		0.77	NTU
2503051405A	Atmospheric Pressure			psia
2503051405A	Conductivity		1090	µS/cm
2503051405A	DTW			ft
2503051405A	Formation Pressure			psia
2503051405A	pH		7.35	NA
2503051405A	Temperature		20.1	ºC
2503051405A	Turbidity		1.17	NTU
2503051410A	Atmospheric Pressure			psia
2503051410A	Conductivity		1100	µS/cm
2503051410A	DTW			ft
2503051410A	Formation Pressure			psia
2503051410A	pH		7.55	NA
2503051410A	Temperature		20	ºC
2503051410A	Turbidity		1.1	NTU

Well ID	ST-4-589	Event Date	2/12/2025	
Sample	**Parameter**		**Result**	**Units**
2502121410A	Atmospheric Pressure			psia
2502121410A	Conductivity		736.13	µS/cm
2502121410A	DTW			ft
2502121410A	Formation Pressure			psia
2502121410A	pH		7.56	NA
2502121410A	Temperature		20.3	ºC
2502121410A	Turbidity		0.89	NTU
2502121411A	Atmospheric Pressure			psia
2502121411A	Conductivity		736.03	µS/cm
2502121411A	DTW			ft
2502121411A	Formation Pressure			psia
2502121411A	pH		7.65	NA
2502121411A	Temperature		20.29	ºC
2502121411A	Turbidity		0.81	NTU
2502121412A	Atmospheric Pressure			psia
2502121412A	Conductivity		189.7	µS/cm
2502121412A	DTW			ft
2502121412A	Formation Pressure			psia
2502121412A	pH		7.67	NA
2502121412A	Temperature		20.29	ºC
2502121412A	Turbidity		0.85	NTU

Well ID	ST-4-690	Event Date	2/12/2025	
Sample	**Parameter**		**Result**	**Units**
2502121015A	Atmospheric Pressure			psia
2502121015A	Conductivity		766.76	µS/cm
2502121015A	DTW			ft
2502121015A	Formation Pressure			psia
2502121015A	pH		8.28	NA
2502121015A	Temperature		20.11	ºC
2502121015A	Turbidity		0.98	NTU
2502121016A	Atmospheric Pressure			psia
2502121016A	Conductivity		766.56	µS/cm
2502121016A	DTW			ft
2502121016A	Formation Pressure			psia
2502121016A	pH		8.28	NA
2502121016A	Temperature		20.11	ºC
2502121016A	Turbidity		1.15	NTU
2502121017A	Atmospheric Pressure			psia
2502121017A	Conductivity		766.6	µS/cm
2502121017A	DTW			ft
2502121017A	Formation Pressure			psia
2502121017A	pH		8.28	NA
2502121017A	Temperature		20.11	ºC
2502121017A	Turbidity		1.1	NTU

Well ID	ST-5-481	Event Date	2/14/2025	
Sample	**Parameter**		**Result**	**Units**
2502141030A	Atmospheric Pressure			psia
2502141030A	Conductivity		974.99	µS/cm
2502141030A	DTW			ft
2502141030A	Formation Pressure			psia
2502141030A	pH		7.46	NA
2502141030A	Temperature		20.23	ºC
2502141030A	Turbidity		1.41	NTU
2502141031A	Atmospheric Pressure			psia
2502141031A	Conductivity		974.77	µS/cm
2502141031A	DTW			ft
2502141031A	Formation Pressure			psia
2502141031A	pH		7.48	NA
2502141031A	Temperature		20.25	ºC
2502141031A	Turbidity		1.3	NTU
2502141032A	Atmospheric Pressure			psia
2502141032A	Conductivity		974.8	µS/cm
2502141032A	DTW			ft
2502141032A	Formation Pressure			psia
2502141032A	pH		7.48	NA
2502141032A	Temperature		20.23	ºC
2502141032A	Turbidity		1.33	NTU

Well ID	ST-5-485	Event Date	2/5/2025	
Sample	**Parameter**		**Result**	**Units**
2502050820Y	Atmospheric Pressure		12.43	psia
2502050820Y	Conductivity		6.32	µS/cm
2502050820Y	DTW		489.45	ft
2502050820Y	Formation Pressure			psia
2502050820Y	pH		7.73	NA
2502050820Y	Temperature		19.5	ºC
2502050820Y	Turbidity		2.43	NTU
2502051052Y	Atmospheric Pressure		12.45	psia
2502051052Y	Conductivity		6.46	µS/cm
2502051052Y	DTW		489.52	ft
2502051052Y	Formation Pressure			psia
2502051052Y	pH		7.67	NA
2502051052Y	Temperature		19.9	ºC
2502051052Y	Turbidity		2.73	NTU

Well ID	ST-5-655	Event Date	2/4/2025	
Sample	**Parameter**		**Result**	**Units**
2502040920Y	Atmospheric Pressure		12.43	psia
2502040920Y	Conductivity		8.50	µS/cm
2502040920Y	DTW		489.3	ft
2502040920Y	Formation Pressure			psia
2502040920Y	pH		8.06	NA
2502040920Y	Temperature		20.8	ºC
2502040920Y	Turbidity		1.53	NTU
2502041315Y	Atmospheric Pressure		12.44	psia
2502041315Y	Conductivity		8.66	µS/cm
2502041315Y	DTW		489.45	ft
2502041315Y	Formation Pressure			psia
2502041315Y	pH		8.01	NA
2502041315Y	Temperature		21.4	ºC
2502041315Y	Turbidity		1.29	NTU

Well ID	ST-6-528	Event Date	3/10/2025	
Sample	**Parameter**		**Result**	**Units**
2503101115B	Atmospheric Pressure			psia
2503101115B	Conductivity		1139	µS/cm
2503101115B	DTW			ft
2503101115B	Formation Pressure			psia
2503101115B	pH		7.68	NA
2503101115B	Temperature		21.9	ºC
2503101115B	Turbidity		1.01	NTU
2503101140B	Atmospheric Pressure			psia
2503101140B	Conductivity		1128	µS/cm
2503101140B	DTW			ft
2503101140B	Formation Pressure			psia
2503101140B	pH		7.6	NA
2503101140B	Temperature		22.3	ºC
2503101140B	Turbidity		0.85	NTU

Well ID	ST-6-568	Event Date	3/10/2025	
Sample	**Parameter**		**Result**	**Units**
2503101125B	Atmospheric Pressure			psia
2503101125B	Conductivity		1113	µS/cm
2503101125B	DTW			ft
2503101125B	Formation Pressure			psia
2503101125B	pH		7.7	NA
2503101125B	Temperature		20.9	ºC
2503101125B	Turbidity		0.58	NTU
2503101155B	Atmospheric Pressure			psia
2503101155B	Conductivity		1107	µS/cm
2503101155B	DTW			ft
2503101155B	Formation Pressure			psia
2503101155B	pH		7.79	NA
2503101155B	Temperature		21.4	ºC
2503101155B	Turbidity		0.47	NTU

Well ID	ST-6-678	Event Date	3/11/2025	
Sample	**Parameter**		**Result**	**Units**
2503111115B	Atmospheric Pressure			psia
2503111115B	Conductivity		1056	µS/cm
2503111115B	DTW			ft
2503111115B	Formation Pressure			psia
2503111115B	pH		8.6	NA
2503111115B	Temperature		20.3	ºC
2503111115B	Turbidity		1.12	NTU
2503111145B	Atmospheric Pressure			psia
2503111145B	Conductivity		1056	µS/cm
2503111145B	DTW			ft
2503111145B	Formation Pressure			psia
2503111145B	pH		8.68	NA
2503111145B	Temperature		20.3	ºC
2503111145B	Turbidity		1.12	NTU

Well ID	ST-6-824	Event Date	3/11/2025	
Sample	**Parameter**		**Result**	**Units**
2503111125B	Atmospheric Pressure			psia
2503111125B	Conductivity		923	µS/cm
2503111125B	DTW			ft
2503111125B	Formation Pressure			psia
2503111125B	pH		8.75	NA
2503111125B	Temperature		19.7	ºC
2503111125B	Turbidity		1.81	NTU
2503111151B	Atmospheric Pressure			psia
2503111151B	Conductivity		915	µS/cm
2503111151B	DTW			ft
2503111151B	Formation Pressure			psia
2503111151B	pH		8.67	NA
2503111151B	Temperature		19.9	ºC
2503111151B	Turbidity		1.47	NTU

Well ID	ST-6-970	Event Date	3/11/2025	
Sample	**Parameter**		**Result**	**Units**
2503111135B	Atmospheric Pressure			psia
2503111135B	Conductivity		1066	µS/cm
2503111135B	DTW			ft
2503111135B	Formation Pressure			psia
2503111135B	pH		8.16	NA
2503111135B	Temperature		21.1	ºC
2503111135B	Turbidity		0.45	NTU
2503111205B	Atmospheric Pressure			psia
2503111205B	Conductivity		1058	µS/cm
2503111205B	DTW			ft
2503111205B	Formation Pressure			psia
2503111205B	pH		8.12	NA
2503111205B	Temperature		21.4	ºC
2503111205B	Turbidity		0.39	NTU

Well ID	ST-7-544	Event Date	4/7/2025	
Sample	**Parameter**		**Result**	**Units**
2504071300B	Atmospheric Pressure			psia
2504071300B	Conductivity		1125	µS/cm
2504071300B	DTW			ft
2504071300B	Formation Pressure			psia
2504071300B	pH		7.11	NA
2504071300B	Temperature		22.7	ºC
2504071300B	Turbidity		1.91	NTU
2504071318B	Atmospheric Pressure			psia
2504071318B	Conductivity		1119	µS/cm
2504071318B	DTW			ft
2504071318B	Formation Pressure			psia
2504071318B	pH		7.09	NA
2504071318B	Temperature		22.9	ºC
2504071318B	Turbidity		1.81	NTU

Well ID	ST-7-779	Event Date	4/7/2025	
Sample	**Parameter**		**Result**	**Units**
2504071301B	Atmospheric Pressure			psia
2504071301B	Conductivity		989	µS/cm
2504071301B	DTW			ft
2504071301B	Formation Pressure			psia
2504071301B	pH		7.75	NA
2504071301B	Temperature		21.6	ºC
2504071301B	Turbidity		1.07	NTU
2504071329B	Atmospheric Pressure			psia
2504071329B	Conductivity		986	µS/cm
2504071329B	DTW			ft
2504071329B	Formation Pressure			psia
2504071329B	pH		7.79	NA
2504071329B	Temperature		21.7	ºC
2504071329B	Turbidity		1.21	NTU

Well ID	ST-7-970	Event Date	4/7/2025	
Sample	**Parameter**		**Result**	**Units**
2504071305B	Atmospheric Pressure			psia
2504071305B	Conductivity		900	µS/cm
2504071305B	DTW			ft
2504071305B	Formation Pressure			psia
2504071305B	pH		8.04	NA
2504071305B	Temperature		23.4	ºC
2504071305B	Turbidity		1.11	NTU
2504071338B	Atmospheric Pressure			psia
2504071338B	Conductivity		919	µS/cm
2504071338B	DTW			ft
2504071338B	Formation Pressure			psia
2504071338B	pH		7.91	NA
2504071338B	Temperature		23.3	ºC
2504071338B	Turbidity		1.09	NTU

Well ID	WB-1-200	Event Date	3/26/2025	
Sample	**Parameter**		**Result**	**Units**
2503261400A	Atmospheric Pressure			psia
2503261400A	Conductivity		1231	µS/cm
2503261400A	DTW		191.9	ft
2503261400A	Formation Pressure			psia
2503261400A	pH		7.54	NA
2503261400A	Temperature		23.7	ºC
2503261400A	Turbidity		2.14	NTU
2503261455A	Atmospheric Pressure			psia
2503261455A	Conductivity		1235	µS/cm
2503261455A	DTW			ft
2503261455A	Formation Pressure			psia
2503261455A	pH		7.66	NA
2503261455A	Temperature		21.8	ºC
2503261455A	Turbidity		1.66	NTU

Well ID	WB-1-330	Event Date	2/25/2025	
Sample	**Parameter**		**Result**	**Units**
2502251440Y	Atmospheric Pressure		12.41	psia
2502251440Y	Conductivity		1259	µS/cm
2502251440Y	DTW		191.82	ft
2502251440Y	Formation Pressure			psia
2502251440Y	pH		7.18	NA
2502251440Y	Temperature		21.5	ºC
2502251440Y	Turbidity		3.09	NTU
2502251458Y	Atmospheric Pressure		12.43	psia
2502251458Y	Conductivity		1222	µS/cm
2502251458Y	DTW		191.87	ft
2502251458Y	Formation Pressure			psia
2502251458Y	pH		7.22	NA
2502251458Y	Temperature		21.7	ºC
2502251458Y	Turbidity		0.89	NTU

Well ID	WW-1-452	Event Date	2/24/2025	
Sample	**Parameter**		**Result**	**Units**
2502240840C	Atmospheric Pressure			psia
2502240840C	Conductivity		997.06	µS/cm
2502240840C	DTW		428.04	ft
2502240840C	Formation Pressure			psia
2502240840C	pH		7.29	NA
2502240840C	Temperature		20.75	ºC
2502240840C	Turbidity		1.34	NTU
2502240843C	Atmospheric Pressure			psia
2502240843C	Conductivity		997.56	µS/cm
2502240843C	DTW			ft
2502240843C	Formation Pressure			psia
2502240843C	pH		7.28	NA
2502240843C	Temperature		20.81	ºC
2502240843C	Turbidity		1.22	NTU
2502240846C	Atmospheric Pressure			psia
2502240846C	Conductivity		998.1	µS/cm
2502240846C	DTW			ft
2502240846C	Formation Pressure			psia
2502240846C	pH		7.28	NA
2502240846C	Temperature		20.83	ºC
2502240846C	Turbidity		1.13	NTU
2503130930A	Atmospheric Pressure			psia
2503130930A	Conductivity		982.4	µS/cm
2503130930A	DTW			ft
2503130930A	Formation Pressure			psia
2503130930A	pH		7.46	NA
2503130930A	Temperature		19.87	ºC
2503130930A	Turbidity		0.6	NTU
2503130935A	Atmospheric Pressure			psia
2503130935A	Conductivity		981.42	µS/cm
2503130935A	DTW			ft
2503130935A	Formation Pressure			psia
2503130935A	pH		7.47	NA
2503130935A	Temperature		20	ºC
2503130935A	Turbidity		0.52	NTU
2503130940A	Atmospheric Pressure			psia
2503130940A	Conductivity		986.04	µS/cm
2503130940A	DTW			ft
2503130940A	Formation Pressure			psia
2503130940A	pH		7.45	NA
2503130940A	Temperature		20.05	ºC
2503130940A	Turbidity		0.55	NTU

Well ID	WW-2-489	Event Date	3/17/2025	
Sample	**Parameter**		**Result**	**Units**
2503170940C	Atmospheric Pressure			psia
2503170940C	Conductivity		844.42	µS/cm
2503170940C	DTW			ft
2503170940C	Formation Pressure			psia
2503170940C	pH		8.23	NA
2503170940C	Temperature		20.02	ºC
2503170940C	Turbidity		2.08	NTU
2503170943C	Atmospheric Pressure			psia
2503170943C	Conductivity		845.68	µS/cm
2503170943C	DTW			ft
2503170943C	Formation Pressure			psia
2503170943C	pH		8.25	NA
2503170943C	Temperature		20.08	ºC
2503170943C	Turbidity		1.76	NTU
2503170946C	Atmospheric Pressure			psia
2503170946C	Conductivity		846.36	µS/cm
2503170946C	DTW			ft
2503170946C	Formation Pressure			psia
2503170946C	pH		8.25	NA
2503170946C	Temperature		20.11	ºC
2503170946C	Turbidity		1.68	NTU

Well ID	WW-2-664	Event Date	3/17/2025	
Sample	**Parameter**		**Result**	**Units**
2503171355C	Atmospheric Pressure			psia
2503171355C	Conductivity		908.93	µS/cm
2503171355C	DTW			ft
2503171355C	Formation Pressure			psia
2503171355C	pH		8.14	NA
2503171355C	Temperature		23.11	ºC
2503171355C	Turbidity		1.49	NTU
2503171358C	Atmospheric Pressure			psia
2503171358C	Conductivity		908.22	µS/cm
2503171358C	DTW			ft
2503171358C	Formation Pressure			psia
2503171358C	pH		8.15	NA
2503171358C	Temperature		23.13	ºC
2503171358C	Turbidity		1.32	NTU
2503171401C	Atmospheric Pressure			psia
2503171401C	Conductivity		907.74	µS/cm
2503171401C	DTW			ft
2503171401C	Formation Pressure			psia
2503171401C	pH		8.17	NA
2503171401C	Temperature		23.18	ºC
2503171401C	Turbidity		1.3	NTU

Well ID	WW-3-469	Event Date	3/11/2025	
Sample	**Parameter**		**Result**	**Units**
2503111010Y	Atmospheric Pressure		12.45	psia
2503111010Y	Conductivity		1085	µS/cm
2503111010Y	DTW		415.1	ft
2503111010Y	Formation Pressure			psia
2503111010Y	pH		7.9	NA
2503111010Y	Temperature		19.2	ºC
2503111010Y	Turbidity		3.84	NTU
2503111347Y	Atmospheric Pressure		12.52	psia
2503111347Y	Conductivity		1078	µS/cm
2503111347Y	DTW		415.15	ft
2503111347Y	Formation Pressure			psia
2503111347Y	pH		7.66	NA
2503111347Y	Temperature		22.1	ºC
2503111347Y	Turbidity		3.61	NTU

Well ID	WW-3-569	Event Date	3/10/2025	
Sample	**Parameter**		**Result**	**Units**
2503101100Y	Atmospheric Pressure		12.42	psia
2503101100Y	Conductivity		1067	µS/cm
2503101100Y	DTW			ft
2503101100Y	Formation Pressure			psia
2503101100Y	pH		8.02	NA
2503101100Y	Temperature		19.7	ºC
2503101100Y	Turbidity		1.01	NTU
2503101145Y	Atmospheric Pressure		12.41	psia
2503101145Y	Conductivity		1071	µS/cm
2503101145Y	DTW			ft
2503101145Y	Formation Pressure			psia
2503101145Y	pH		8.15	NA
2503101145Y	Temperature		20.1	ºC
2503101145Y	Turbidity		1.19	NTU

Well ID	WW-3-710	Event Date	3/10/2025	
Sample	**Parameter**		**Result**	**Units**
2503101400Y	Atmospheric Pressure		12.41	psia
2503101400Y	Conductivity		99.4	µS/cm
2503101400Y	DTW			ft
2503101400Y	Formation Pressure			psia
2503101400Y	pH		7.75	NA
2503101400Y	Temperature		22.2	ºC
2503101400Y	Turbidity		4.74	NTU
2503101435Y	Atmospheric Pressure		12.43	psia
2503101435Y	Conductivity		1011	µS/cm
2503101435Y	DTW			ft
2503101435Y	Formation Pressure			psia
2503101435Y	pH		7.81	NA
2503101435Y	Temperature		23.1	ºC
2503101435Y	Turbidity		3.75	NTU

Well ID	WW-3-978	Event Date	3/11/2025	
Sample	**Parameter**		**Result**	**Units**
2503121030Y	Atmospheric Pressure		21.41	psia
2503121030Y	Conductivity		1032	µS/cm
2503121030Y	DTW		415.15	ft
2503121030Y	Formation Pressure			psia
2503121030Y	pH		8.22	NA
2503121030Y	Temperature		21.4	ºC
2503121030Y	Turbidity		1.8	NTU
2503121355Y	Atmospheric Pressure		12.43	psia
2503121355Y	Conductivity		1027	µS/cm
2503121355Y	DTW		415.23	ft
2503121355Y	Formation Pressure			psia
2503121355Y	pH		8.11	NA
2503121355Y	Temperature		21.3	ºC
2503121355Y	Turbidity		3.29	NTU

Well ID	WW-4-589	Event Date	2/10/2025	
Sample	**Parameter**		**Result**	**Units**
2502101130B	Atmospheric Pressure			psia
2502101130B	Conductivity		10.36	µS/cm
2502101130B	DTW			ft
2502101130B	Formation Pressure			psia
2502101130B	pH		7.49	NA
2502101130B	Temperature		20.2	ºC
2502101130B	Turbidity		1.23	NTU
2502101150B	Atmospheric Pressure			psia
2502101150B	Conductivity		10.31	µS/cm
2502101150B	DTW			ft
2502101150B	Formation Pressure			psia
2502101150B	pH		7.52	NA
2502101150B	Temperature		20.2	ºC
2502101150B	Turbidity		1.17	NTU

Well ID	WW-4-848	Event Date	2/10/2025	
Sample	**Parameter**		**Result**	**Units**
2502101138B	Atmospheric Pressure			psia
2502101138B	Conductivity		8.78	µS/cm
2502101138B	DTW			ft
2502101138B	Formation Pressure			psia
2502101138B	pH		7.73	NA
2502101138B	Temperature		19.5	ºC
2502101138B	Turbidity		0.63	NTU
2502101210B	Atmospheric Pressure			psia
2502101210B	Conductivity		8.77	µS/cm
2502101210B	DTW			ft
2502101210B	Formation Pressure			psia
2502101210B	pH		7.76	NA
2502101210B	Temperature		19.6	ºC
2502101210B	Turbidity		0.66	NTU

Well ID	WW-4-948	Event Date	2/10/2025	
Sample	**Parameter**		**Result**	**Units**
2502101145B	Atmospheric Pressure			psia
2502101145B	Conductivity		10.64	µS/cm
2502101145B	DTW			ft
2502101145B	Formation Pressure			psia
2502101145B	pH		8.48	NA
2502101145B	Temperature		19.7	ºC
2502101145B	Turbidity		0.56	NTU
2502101230B	Atmospheric Pressure			psia
2502101230B	Conductivity		10.6	µS/cm
2502101230B	DTW			ft
2502101230B	Formation Pressure			psia
2502101230B	pH		8.52	NA
2502101230B	Temperature		19.8	ºC
2502101230B	Turbidity		0.61	NTU

Well ID	WW-5-459	Event Date	4/10/2025	
Sample	**Parameter**		**Result**	**Units**
2504100950B	Atmospheric Pressure			psia
2504100950B	Conductivity		1065	µS/cm
2504100950B	DTW			ft
2504100950B	Formation Pressure			psia
2504100950B	pH		7.8	NA
2504100950B	Temperature		21.4	ºC
2504100950B	Turbidity		0.47	NTU
2504101039B	Atmospheric Pressure			psia
2504101039B	Conductivity		1069	µS/cm
2504101039B	DTW			ft
2504101039B	Formation Pressure			psia
2504101039B	pH		7.25	NA
2504101039B	Temperature		21.9	ºC
2504101039B	Turbidity		0.35	NTU

Well ID	WW-5-579	Event Date	4/10/2025	
Sample	**Parameter**		**Result**	**Units**
2504101000B	Atmospheric Pressure			psia
2504101000B	Conductivity		1004	µS/cm
2504101000B	DTW			ft
2504101000B	Formation Pressure			psia
2504101000B	pH		8.4	NA
2504101000B	Temperature		20.6	ºC
2504101000B	Turbidity		1.41	NTU
2504101051B	Atmospheric Pressure			psia
2504101051B	Conductivity		1030	µS/cm
2504101051B	DTW			ft
2504101051B	Formation Pressure			psia
2504101051B	pH		7.82	NA
2504101051B	Temperature		22.6	ºC
2504101051B	Turbidity		0.8	NTU

Well ID	WW-5-809	Event Date	4/11/2025	
Sample	**Parameter**		**Result**	**Units**
2504111059B	Conductivity		977	µS/cm
2504111059B	pH		7.65	NA
2504111059B	Temperature		22.5	ºC
2504111059B	Transducer			ft
2504111059B	Turbidity		0.92	NTU
2504111133B	Conductivity		960	µS/cm
2504111133B	pH		7.87	NA
2504111133B	Temperature		22.9	ºC
2504111133B	Transducer			ft
2504111133B	Turbidity		0.86	NTU

Well ID	WW-5-909	Event Date	4/11/2025	
Sample	**Parameter**		**Result**	**Units**
2504111050B	Conductivity		1223	µS/cm
2504111050B	pH		8.08	NA
2504111050B	Temperature		24.2	ºC
2504111050B	Transducer			ft
2504111050B	Turbidity		1.25	NTU
2504111058B	Conductivity		1271	µS/cm
2504111058B	pH		8.18	NA
2504111058B	Temperature		24.4	ºC
2504111058B	Transducer			ft
2504111058B	Turbidity		0.41	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
4/21/2025	8260	2504210945C	Dichloromethane	0.99	ug/L	1.0	0.65		J
4/21/2025	8260	2504210945C	Dichlorofluoromethane (CFC 21)	0.97	ug/L	1.0	0.20		J
4/21/2025	8260	2504210945C	1,1-Dichloroethene	1.7	ug/L	1.0	0.20		
4/21/2025	8260	2504210945C	1,1-Dichloroethane (1,1-DCA)	0.31	ug/L	1.0	0.20		J
4/21/2025	8260	2504210945C	1,1,2-Trichloro-1,2,2-Trifluoroethane	14	ug/L	1.0	0.20		
4/21/2025	8260	2504210945C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.52	ug/L	1.0	0.20		J
4/21/2025	8260	2504210945C	Trichlorofluoromethane (CFC 11)	49	ug/L	1.0	0.24		
4/21/2025	METALS	2504210949C	Calcium, Total	48.6	mg/L	1.0	0.3		
4/21/2025	METALS	2504210949C	Antimony, Total	0.0004	mg/L	0.0010	0.0002		J
4/21/2025	METALS	2504210949C	Arsenic, Total	0.0039	mg/L	0.0010	0.0004		
4/21/2025	METALS	2504210949C	Boron, Total	0.1	mg/L	0.20	0.02		J
4/21/2025	METALS	2504210949C	Chromium, Total	0.004	mg/L	0.010	0.002		J
4/21/2025	METALS	2504210949C	Magnesium, Total	36.3	mg/L	1.0	0.03		
4/21/2025	METALS	2504210949C	Nickel, Total	0.043	mg/L	0.040	0.003		
4/21/2025	METALS	2504210949C	Potassium, Total	2.3	mg/L	2.0	0.4		
4/21/2025	METALS	2504210949C	Barium, Total	0.023	mg/L	0.020	0.003		
4/21/2025	METALS	2504210949C	Sodium, Total	63.8	mg/L	1.0	0.3		
4/21/2025	METALS	2504210949C	Strontium, Total	2.69	mg/L	0.10	0.002		
4/21/2025	METALS	2504210949C	Vanadium, Total	0.017	mg/L	0.050	0.0007		J
4/21/2025	METALS	2504210949C	Zinc, Total	0.02	mg/L	0.020	0.003		J
4/21/2025	METALS	2504210949C	Molybdenum, Total	0.029	mg/L	0.025	0.003		
4/21/2025	ANIONS	2504210950C	Chloride	42.1	mg/L	2.0	0.5		
4/21/2025	ANIONS	2504210950C	Fluoride, undistilled	0.57	mg/L	0.10	0.010		
4/21/2025	ANIONS	2504210950C	Alkalinity, Total as CaCO3	164	mg/L	2.0	1.8		
4/21/2025	ANIONS	2504210950C	Sulfate	168	mg/L	20	4		
4/21/2025	SM2540C	2504210951C	Total Dissolved Solids (TDS)	501	mg/L	10	9		
4/21/2025	6850	2504210952C	Perchlorate	0.42	ug/L	0.20	0.047		
4/21/2025	353.2	2504210953C	Nitrate+Nitrite as Nitrogen	1.43	mg/L	0.050	0.002		

Analytical Results for Sampling Events at 100-A-182

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/18/2025	8260	2502180905A	Unknown	48	ug/L	NA	NA		J TIC
2/18/2025	8260	2502180905A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.59	ug/L	1.0	0.20		J
2/18/2025	8260	2502180905A	Trichlorofluoromethane (CFC 11)	1.9	ug/L	1.0	0.24		
2/18/2025	8260	2502180905A	1,1,2-Trichloro-1,2,2-Trifluoroethane	120	ug/L	1.0	0.20		
2/18/2025	8260	2502180906A	Unknown	48	ug/L	NA	NA		J TIC
2/18/2025	8260	2502180906A	1,1,2-Trichloro-1,2,2-Trifluoroethane	130	ug/L	1.0	0.20		
2/18/2025	8260	2502180906A	Trichlorofluoromethane (CFC 11)	1.8	ug/L	1.0	0.24		
2/18/2025	8260	2502180906A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.62	ug/L	1.0	0.20		J
2/18/2025	METALS	2502180911A	Sodium, Total	35.6	mg/L	1.0	0.3		SP
2/18/2025	METALS	2502180911A	Barium, Total	0.025	mg/L	0.020	0.003		
2/18/2025	METALS	2502180911A	Boron, Total	0.07	mg/L	0.20	0.02		J
2/18/2025	METALS	2502180911A	Chromium, Total	0.005	mg/L	0.010	0.002		J
2/18/2025	METALS	2502180911A	Strontium, Total	3.4	mg/L	0.10	0.002		
2/18/2025	METALS	2502180911A	Thallium, Total	0.00009	mg/L	0.0010	0.00004		J
2/18/2025	METALS	2502180911A	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
2/18/2025	METALS	2502180911A	Zinc, Total	0.023	mg/L	0.020	0.003		
2/18/2025	METALS	2502180911A	Magnesium, Total	69.2	mg/L	1.0	0.03		SP
2/18/2025	METALS	2502180911A	Molybdenum, Total	0.011	mg/L	0.025	0.003		J
2/18/2025	METALS	2502180911A	Nickel, Total	0.025	mg/L	0.040	0.003		J
2/18/2025	METALS	2502180911A	Potassium, Total	3.4	mg/L	2.0	0.4		
2/18/2025	METALS	2502180911A	Calcium, Total	142	mg/L	1.0	0.3		SP

Analytical Results for Sampling Events at 100-C-365

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/18/2025	8260_LL	2502181020C	Unknown	24	ug/L	NA	NA		J TIC
2/18/2025	METALS	2502181040C	Sodium, Total	112	mg/L	1.0	0.3		
2/18/2025	METALS	2502181040C	Barium, Total	0.016	mg/L	0.020	0.003		J
2/18/2025	METALS	2502181040C	Boron, Total	0.18	mg/L	0.20	0.02		J
2/18/2025	METALS	2502181040C	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
2/18/2025	METALS	2502181040C	Vanadium, Total	0.005	mg/L	0.050	0.0007		J
2/18/2025	METALS	2502181040C	Strontium, Total	2.35	mg/L	0.10	0.002		
2/18/2025	METALS	2502181040C	Potassium, Total	1.7	mg/L	2.0	0.4		J
2/18/2025	METALS	2502181040C	Nickel, Total	0.011	mg/L	0.040	0.003		J
2/18/2025	METALS	2502181040C	Molybdenum, Total	0.028	mg/L	0.025	0.003		
2/18/2025	METALS	2502181040C	Magnesium, Total	8.6	mg/L	1.0	0.03		
2/18/2025	METALS	2502181040C	Calcium, Total	51.4	mg/L	1.0	0.3		
2/18/2025	METALS	2502181040C	Chromium, Total	0.028	mg/L	0.010	0.002		
2/18/2025	ANIONS	2502181042C	Alkalinity, Total as CaCO3	28.6	mg/L	2.0	1.8		
2/18/2025	ANIONS	2502181042C	Chloride	16.6	mg/L	2.0	0.5		
2/18/2025	ANIONS	2502181042C	Fluoride, undistilled	0.55	mg/L	0.10	0.010		
2/18/2025	ANIONS	2502181042C	Sulfate	332	mg/L	20	4		
2/18/2025	SM2540C	2502181044C	Total Dissolved Solids (TDS)	581	mg/L	10	9		
2/18/2025	353.2	2502181050C	Nitrate+Nitrite as Nitrogen	0.169	mg/L	0.050	0.002		
2/26/2025	PFAS	2502261040A	PFOS	3.3	ng/L	1.5	0.37		
2/26/2025	PFAS	2502261040A	PFUnA	18.4	ng/L	1.5	0.33		
2/26/2025	PFAS	2502261040A	PFPeA	60.6	ng/L	3	0.9		
2/26/2025	PFAS	2502261040A	PFHxA	3.9	ng/L	1.5	0.36		
2/26/2025	PFAS	2502261040A	PFOA	3.8	ng/L	1.5	0.46		FB
2/26/2025	PFAS	2502261040A	PFDA	5.9	ng/L	1.5	0.47		
2/26/2025	PFAS	2502261040A	PFBA	18.8	ng/L	6	1.5		
2/26/2025	PFAS	2502261040A	PFHpA	3.5	ng/L	1.5	0.58		
2/26/2025	PFAS	2502261040A	PFNA	2.6	ng/L	1.5	0.49		

Analytical Results for Sampling Events at 100-D-176

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/25/2025	PFAS	2502251415C	PFHxS	4.2	ng/L	1.6	0.4		
2/25/2025	PFAS	2502251415C	PFHpA	14.1	ng/L	1.6	0.6		
2/25/2025	PFAS	2502251415C	PFBA	19.7	ng/L	6.2	1.5		
2/25/2025	PFAS	2502251415C	PFBS	2.9	ng/L	1.6	0.41		
2/25/2025	PFAS	2502251415C	PFHxA	68.3	ng/L	1.6	0.37		
2/25/2025	PFAS	2502251415C	PFPeS	1.9	ng/L	1.6	0.37		
2/25/2025	PFAS	2502251415C	PFPeA	36.7	ng/L	3.1	0.92		
2/25/2025	PFAS	2502251415C	PFOA	23.2	ng/L	1.6	0.47		
3/25/2025	SM2540C	2503250935C	Total Dissolved Solids (TDS)	1850	mg/L	18	17		FB
3/25/2025	351.2	2503250937C	Nitrogen, Total Kjeldahl (TKN)	0.21	mg/L	0.20	0.20		FB

Analytical Results for Sampling Events at 100-HG-139

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/19/2025	8260	2503190948C	Unknown	31	ug/L	NA	NA		J TIC
3/19/2025	8260	2503190948C	1,1,2-Trichloro-1,2,2-Trifluoroethane	3.3	ug/L	1.0	0.20		
3/19/2025	8260	2503190948C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.21	ug/L	1.0	0.20		J
3/19/2025	8260	2503190949C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.21	ug/L	1.0	0.20		J
3/19/2025	8260	2503190949C	Unknown	34	ug/L	NA	NA		J TIC
3/19/2025	8260	2503190949C	1,1,2-Trichloro-1,2,2-Trifluoroethane	3.5	ug/L	1.0	0.20		
3/19/2025	METALS	2503190952C	Magnesium, Total	60.4	mg/L	1.0	0.03		
3/19/2025	METALS	2503190952C	Sodium, Total	39	mg/L	1.0	0.3		
3/19/2025	METALS	2503190952C	Potassium, Total	2.8	mg/L	2.0	0.4		
3/19/2025	METALS	2503190952C	Strontium, Total	3.63	mg/L	0.10	0.002		
3/19/2025	METALS	2503190952C	Molybdenum, Total	0.012	mg/L	0.025	0.003		J
3/19/2025	METALS	2503190952C	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
3/19/2025	METALS	2503190952C	Calcium, Total	111	mg/L	1.0	0.3		
3/19/2025	METALS	2503190952C	Boron, Total	0.06	mg/L	0.20	0.02		J Q
3/19/2025	METALS	2503190952C	Barium, Total	0.036	mg/L	0.020	0.003		
3/19/2025	METALS	2503190952C	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
3/19/2025	METALS	2503190952C	Nickel, Total	0.035	mg/L	0.040	0.003		J
3/19/2025	METALS	2503190952C	Zinc, Total	0.006	mg/L	0.020	0.003		J

Analytical Results for Sampling Events at 200-B-240

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/26/2025	PFAS	2502261500C	PFPeS	1.9	ng/L	1.5	0.35		
2/26/2025	PFAS	2502261500C	PFHpA	1.7	ng/L	1.5	0.57		
2/26/2025	PFAS	2502261500C	PFBS	2.7	ng/L	1.5	0.39		
2/26/2025	PFAS	2502261500C	PFBA	485	ng/L	6	1.4		
2/26/2025	PFAS	2502261500C	PFHxS	11	ng/L	1.5	0.38		
2/26/2025	PFAS	2502261500C	PFHxA	3.8	ng/L	1.5	0.36		
2/26/2025	PFAS	2502261500C	PFOS	49.9	ng/L	1.5	0.37		
2/26/2025	PFAS	2502261500C	PFOA	4.5	ng/L	1.5	0.45		
4/28/2025	8260	2504281020C	1,1,2-Trichloro-1,2,2-Trifluoroethane	30	ug/L	1.0	0.20		
4/28/2025	8260	2504281020C	Trichlorofluoromethane (CFC 11)	23	ug/L	1.0	0.24		
4/28/2025	8260	2504281020C	cis-1,2-Dichloroethene	0.49	ug/L	1.0	0.23		J
4/28/2025	8260	2504281020C	Unknown	11	ug/L	NA	NA		J TIC
4/28/2025	8260	2504281020C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.53	ug/L	1.0	0.20		J
4/28/2025	8260	2504281020C	Trichloroethene (TCE)	26	ug/L	1.0	0.20		
4/28/2025	8260	2504281020C	Tetrachloroethene (PCE)	0.88	ug/L	1.0	0.21		J
4/28/2025	607	2504281021C	N-Nitrodimethylamine	0.18	µg/L	0.0094	0.0047	89	
4/28/2025	607	2504281021C	Bromacil	0.55	µg/L	0.0094	0.0047	129	
4/28/2025	607	2504281021C	N-Nitrosodimethylamine	0.1	µg/L	0.0094	0.0047	55	
4/28/2025	607	2504281021C	Bromacil	0.55	µg/L	0.0094	0.0047	129	
4/28/2025	607	2504281021C	N-Nitrodimethylamine	0.18	µg/L	0.0094	0.0047	89	
4/28/2025	607	2504281021C	N-Nitrosodimethylamine	0.1	µg/L	0.0094	0.0047	55	
4/28/2025	METALS	2504281028C	Nickel, Total	0.033	mg/L	0.040	0.003		J
4/28/2025	METALS	2504281028C	Zinc, Total	0.005	mg/L	0.020	0.003		J
4/28/2025	METALS	2504281028C	Vanadium, Total	0.0009	mg/L	0.050	0.0007		J
4/28/2025	METALS	2504281028C	Thallium, Total	0.0001	mg/L	0.0010	0.00004		J
4/28/2025	METALS	2504281028C	Strontium, Total	1.98	mg/L	0.10	0.002		
4/28/2025	METALS	2504281028C	Sodium, Total	47.9	mg/L	1.0	0.3		
4/28/2025	METALS	2504281028C	Potassium, Total	4.2	mg/L	2.0	0.4		
4/28/2025	METALS	2504281028C	Antimony, Total	0.0094	mg/L	0.0010	0.0002		
4/28/2025	METALS	2504281028C	Magnesium, Total	63.9	mg/L	1.0	0.03		
4/28/2025	METALS	2504281028C	Chromium, Total	0.002	mg/L	0.010	0.002		J
4/28/2025	METALS	2504281028C	Calcium, Total	106	mg/L	1.0	0.3		
4/28/2025	METALS	2504281028C	Boron, Total	0.13	mg/L	0.20	0.02		J
4/28/2025	METALS	2504281028C	Barium, Total	0.027	mg/L	0.020	0.003		
4/28/2025	METALS	2504281028C	Arsenic, Total	0.0011	mg/L	0.0010	0.0004		
4/28/2025	METALS	2504281028C	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
4/28/2025	ANIONS	2504281029C	Alkalinity, Total as CaCO3	211	mg/L	2.0	1.8		
4/28/2025	ANIONS	2504281029C	Chloride	61.6	mg/L	2.0	0.5		

Analytical Results for Sampling Events at 200-B-240

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/28/2025	ANIONS	2504281029C	Fluoride, undistilled	0.97	mg/L	0.10	0.010		
4/28/2025	ANIONS	2504281029C	Sulfate	309	mg/L	20	4		
4/28/2025	SM2540C	2504281030C	Total Dissolved Solids (TDS)	802	mg/L	10	9		
4/28/2025	6850	2504281031C	Perchlorate	0.56	ug/L	0.20	0.047		
4/28/2025	353.2	2504281032C	Nitrate+Nitrite as Nitrogen	2.66	mg/L	0.25	0.008		
4/28/2025	9030	2504281034C	Sulfide, Acid-Soluble	9.3	mg/L	1.0	1.0		QD

Analytical Results for Sampling Events at 200-C-170

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/11/2025	8260	2502110945Y	Unknown	5.1	ug/L	NA	NA		J TIC
2/11/2025	8260	2502110945Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	31	ug/L	1.0	0.20		
2/11/2025	8260	2502110945Y	Dichlorofluoromethane (CFC 21)	2.9	ug/L	1.0	0.20		
2/11/2025	8260	2502110945Y	Tetrachloroethene (PCE)	0.24	ug/L	1.0	0.21		J
2/11/2025	8260	2502110945Y	Tetrahydrofuran (THF)	9.8	ug/L	5.0	1.7		
2/11/2025	8260	2502110945Y	Trichloroethene (TCE)	1.6	ug/L	1.0	0.20		
2/11/2025	8260	2502110945Y	Trichlorofluoromethane (CFC 11)	11	ug/L	1.0	0.24		
2/11/2025	8260	2502110945Y	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.3	ug/L	1.0	0.20		
2/11/2025	8260	2502110945Y	Unknown	5.6	ug/L	NA	NA		J TIC
2/11/2025	8260	2502110945Y	Cyclotetrasiloxane, octamethyl-	26	ug/L	NA	NA		J TIC
2/11/2025	8260	2502110945Y	Unknown	22	ug/L	NA	NA		J TIC
2/11/2025	8260	2502110945Y	Unknown	5.8	ug/L	NA	NA		J TIC
2/11/2025	607	2502110946Y	Bromacil	0.05	µg/L	0.0097	0.0049	83	
2/11/2025	METALS	2502111015Y	Strontium, Total	2.58	mg/L	0.10	0.002		
2/11/2025	METALS	2502111015Y	Zinc, Total	0.011	mg/L	0.020	0.003		J
2/11/2025	METALS	2502111015Y	Antimony, Total	0.0004	mg/L	0.0010	0.0002		J
2/11/2025	METALS	2502111015Y	Thallium, Total	0.0002	mg/L	0.0010	0.00004		J
2/11/2025	METALS	2502111015Y	Sodium, Total	41.3	mg/L	1.0	0.3		
2/11/2025	METALS	2502111015Y	Potassium, Total	2.7	mg/L	2.0	0.4		
2/11/2025	METALS	2502111015Y	Nickel, Total	0.023	mg/L	0.040	0.003		J
2/11/2025	METALS	2502111015Y	Manganese, Total	0.006	mg/L	0.010	0.004		J
2/11/2025	METALS	2502111015Y	Magnesium, Total	67.1	mg/L	1.0	0.03		
2/11/2025	METALS	2502111015Y	Calcium, Total	120	mg/L	1.0	0.3		
2/11/2025	METALS	2502111015Y	Boron, Total	0.07	mg/L	0.20	0.02		J
2/11/2025	METALS	2502111015Y	Barium, Total	0.03	mg/L	0.020	0.003		
2/11/2025	METALS	2502111015Y	Arsenic, Total	0.0014	mg/L	0.0010	0.0004		
2/11/2025	METALS	2502111015Y	Molybdenum, Total	0.013	mg/L	0.025	0.003		J
2/11/2025	METALS	2502111015Y	Vanadium, Total	0.001	mg/L	0.050	0.0007		J

Analytical Results for Sampling Events at 200-C-225

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/10/2025	8260	2502101345Y	Trichlorofluoromethane (CFC 11)	11	ug/L	1.0	0.24		
2/10/2025	8260	2502101345Y	Unknown	47	ug/L	NA	NA		J TIC
2/10/2025	8260	2502101345Y	Trichloroethene (TCE)	1.9	ug/L	1.0	0.20		
2/10/2025	8260	2502101345Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	12	ug/L	1.0	0.20		
2/10/2025	607	2502101346Y	Bromacil	0.04	µg/L	0.0096	0.0048	88	
2/10/2025	METALS	2502101415Y	Nickel, Total	0.025	mg/L	0.040	0.003		J
2/10/2025	METALS	2502101415Y	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
2/10/2025	METALS	2502101415Y	Thallium, Total	0.0001	mg/L	0.0010	0.00004		J
2/10/2025	METALS	2502101415Y	Strontium, Total	2.17	mg/L	0.10	0.002		
2/10/2025	METALS	2502101415Y	Sodium, Total	43.7	mg/L	1.0	0.3		
2/10/2025	METALS	2502101415Y	Potassium, Total	3.7	mg/L	2.0	0.4		
2/10/2025	METALS	2502101415Y	Magnesium, Total	65.7	mg/L	1.0	0.03		
2/10/2025	METALS	2502101415Y	Copper, Total	0.028	mg/L	0.020	0.004		
2/10/2025	METALS	2502101415Y	Calcium, Total	123	mg/L	1.0	0.3		
2/10/2025	METALS	2502101415Y	Boron, Total	0.09	mg/L	0.20	0.02		J
2/10/2025	METALS	2502101415Y	Barium, Total	0.027	mg/L	0.020	0.003		
2/10/2025	METALS	2502101415Y	Arsenic, Total	0.0011	mg/L	0.0010	0.0004		
2/10/2025	METALS	2502101415Y	Zinc, Total	0.013	mg/L	0.020	0.003		J
2/10/2025	METALS	2502101415Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J

Analytical Results for Sampling Events at 200-C-270

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/10/2025	8260	2502100940Y	Trichloroethene (TCE)	2	ug/L	1.0	0.20		
2/10/2025	8260	2502100940Y	Trichlorofluoromethane (CFC 11)	11	ug/L	1.0	0.24		
2/10/2025	8260	2502100940Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	12	ug/L	1.0	0.20		
2/10/2025	8260	2502100940Y	Unknown	42	ug/L	NA	NA		J TIC
2/10/2025	607	2502100941Y	Bromacil	0.05	µg/L	0.0095	0.0048	88	
2/10/2025	METALS	2502101010Y	Boron, Total	0.09	mg/L	0.20	0.02		J
2/10/2025	METALS	2502101010Y	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
2/10/2025	METALS	2502101010Y	Potassium, Total	4	mg/L	2.0	0.4		
2/10/2025	METALS	2502101010Y	Nickel, Total	0.026	mg/L	0.040	0.003		J
2/10/2025	METALS	2502101010Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
2/10/2025	METALS	2502101010Y	Magnesium, Total	66.1	mg/L	1.0	0.03		
2/10/2025	METALS	2502101010Y	Zinc, Total	0.02	mg/L	0.020	0.003		J
2/10/2025	METALS	2502101010Y	Thallium, Total	0.0001	mg/L	0.0010	0.00004		J
2/10/2025	METALS	2502101010Y	Strontium, Total	2.21	mg/L	0.10	0.002		
2/10/2025	METALS	2502101010Y	Sodium, Total	44.1	mg/L	1.0	0.3		
2/10/2025	METALS	2502101010Y	Calcium, Total	123	mg/L	1.0	0.3		
2/10/2025	METALS	2502101010Y	Barium, Total	0.026	mg/L	0.020	0.003		
2/10/2025	METALS	2502101010Y	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
2/10/2025	METALS	2502101010Y	Copper, Total	0.076	mg/L	0.020	0.004		
2/10/2025	ANIONS	2502101011Y	Alkalinity, Total as CaCO3	268	mg/L	2.0	1.8		
2/10/2025	ANIONS	2502101011Y	Chloride	54.9	mg/L	2.0	0.5		
2/10/2025	ANIONS	2502101011Y	Fluoride, undistilled	0.96	mg/L	0.10	0.010		
2/10/2025	ANIONS	2502101011Y	Sulfate	316	mg/L	20	4		
2/10/2025	SM2540C	2502101012Y	Total Dissolved Solids (TDS)	961	mg/L	10	9		
2/10/2025	6850	2502101035Y	Perchlorate	0.48	ug/L	0.20	0.047		
2/10/2025	353.2	2502101036Y	Nitrate+Nitrite as Nitrogen	2.3	mg/L	0.25	0.008		

Analytical Results for Sampling Events at 200-D-240

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/26/2025	PFAS	2502261015C	PFOS	21.4	ng/L	1.5	0.37		
2/26/2025	PFAS	2502261015C	PFHxA	3.7	ng/L	1.5	0.36		
2/26/2025	PFAS	2502261015C	PFOA	5.1	ng/L	1.5	0.46		
2/26/2025	PFAS	2502261015C	PFHxS	6.9	ng/L	1.5	0.39		
2/26/2025	PFAS	2502261015C	PFBA	779	ng/L	6	1.5		
2/26/2025	PFAS	2502261015C	PFBS	1.9	ng/L	1.5	0.39		
2/26/2025	PFAS	2502261015C	PFHpA	2.4	ng/L	1.5	0.58		
3/20/2025	8260	2503200925C	Tetrachloroethene (PCE)	0.33	ug/L	1.0	0.21		J
3/20/2025	8260	2503200925C	Unknown	39	ug/L	NA	NA		J TIC
3/20/2025	8260	2503200925C	Trichloroethene (TCE)	14	ug/L	1.0	0.20		
3/20/2025	8260	2503200925C	1,1,2-Trichloro-1,2,2-Trifluoroethane	210	ug/L	2.0	0.40		D
3/20/2025	8260	2503200925C	Trichlorofluoromethane (CFC 11)	51	ug/L	1.0	0.24		
3/20/2025	607	2503200927C	Bromacil	0.16	µg/L	0.0094	0.0047	102	
3/20/2025	METALS	2503200929C	Potassium, Total	3.4	mg/L	2.0	0.4		
3/20/2025	METALS	2503200929C	Barium, Total	0.033	mg/L	0.020	0.003		
3/20/2025	METALS	2503200929C	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
3/20/2025	METALS	2503200929C	Thallium, Total	0.00008	mg/L	0.0010	0.00004		J
3/20/2025	METALS	2503200929C	Zinc, Total	0.007	mg/L	0.020	0.003		J
3/20/2025	METALS	2503200929C	Strontium, Total	2.2	mg/L	0.10	0.002		
3/20/2025	METALS	2503200929C	Sodium, Total	57.8	mg/L	1.0	0.3		
3/20/2025	METALS	2503200929C	Nickel, Total	0.028	mg/L	0.040	0.003		J
3/20/2025	METALS	2503200929C	Molybdenum, Total	0.011	mg/L	0.025	0.003		J
3/20/2025	METALS	2503200929C	Magnesium, Total	67.3	mg/L	1.0	0.03		
3/20/2025	METALS	2503200929C	Boron, Total	0.1	mg/L	0.20	0.02		J
3/20/2025	METALS	2503200929C	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
3/20/2025	METALS	2503200929C	Calcium, Total	125	mg/L	1.0	0.3		

Analytical Results for Sampling Events at 200-F-225

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/12/2025	8260	2502121425Y	Trichloroethene (TCE)	21	ug/L	1.0	0.20		
2/12/2025	8260	2502121425Y	Benzene	0.8	ug/L	1.0	0.20		J
2/12/2025	8260	2502121425Y	Unknown	5.8	ug/L	NA	NA		J TIC
2/12/2025	8260	2502121425Y	Unknown	5.9	ug/L	NA	NA		J TIC
2/12/2025	8260	2502121425Y	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	4.2	ug/L	1.0	0.20		
2/12/2025	8260	2502121425Y	Trichlorofluoromethane (CFC 11)	1.8	ug/L	1.0	0.24		
2/12/2025	8260	2502121425Y	Tetrachloroethene (PCE)	0.33	ug/L	1.0	0.21		J
2/12/2025	8260	2502121425Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	5	ug/L	1.0	0.20		
2/12/2025	8260	2502121425Y	Dichlorofluoromethane (CFC 21)	14	ug/L	1.0	0.20		
2/12/2025	8260	2502121425Y	Styrene	0.26	ug/L	1.0	0.20		J
2/12/2025	8260	2502121425Y	Acrylonitrile	0.96	ug/L	5.0	0.90		J
2/12/2025	8260	2502121425Y	Tetrahydrofuran (THF)	37	ug/L	5.0	1.7		
2/12/2025	607	2502121426Y	Bromacil	0.26	µg/L	0.0095	0.0048	83	
2/12/2025	METALS	2502130845Y	Strontium, Total	2.35	mg/L	0.10	0.002		
2/12/2025	METALS	2502130845Y	Vanadium, Total	0.0009	mg/L	0.050	0.0007		J
2/12/2025	METALS	2502130845Y	Sodium, Total	29.2	mg/L	1.0	0.3		
2/12/2025	METALS	2502130845Y	Potassium, Total	3.8	mg/L	2.0	0.4		
2/12/2025	METALS	2502130845Y	Nickel, Total	0.02	mg/L	0.040	0.003		J
2/12/2025	METALS	2502130845Y	Magnesium, Total	74.1	mg/L	1.0	0.03		
2/12/2025	METALS	2502130845Y	Iron, Total	0.12	mg/L	0.10	0.07		
2/12/2025	METALS	2502130845Y	Calcium, Total	131	mg/L	1.0	0.3		
2/12/2025	METALS	2502130845Y	Barium, Total	0.039	mg/L	0.020	0.003		
2/12/2025	METALS	2502130845Y	Boron, Total	0.12	mg/L	0.20	0.02		J
2/12/2025	METALS	2502130845Y	Zinc, Total	0.019	mg/L	0.020	0.003		J
2/12/2025	METALS	2502130845Y	Manganese, Total	0.009	mg/L	0.010	0.004		J
2/12/2025	ANIONS	2502130846Y	Sulfate	295	mg/L	20	4		
2/12/2025	ANIONS	2502130846Y	Alkalinity, Total as CaCO3	299	mg/L	2.0	1.8		
2/12/2025	ANIONS	2502130846Y	Chloride	55.5	mg/L	2.0	0.5		
2/12/2025	ANIONS	2502130846Y	Fluoride, undistilled	0.98	mg/L	0.10	0.010		
2/12/2025	SM2540C	2502130847Y	Total Dissolved Solids (TDS)	855	mg/L	10	9		
2/12/2025	353.2	2502130921Y	Nitrate+Nitrite as Nitrogen	0.081	mg/L	0.050	0.002		
2/24/2025	PFAS	2502241040Y	PFOS	18.9	ng/L	1.5	0.38		
2/24/2025	PFAS	2502241040Y	PFHxA	1.6	ng/L	1.5	0.37		
2/24/2025	PFAS	2502241040Y	PFOA	2.2	ng/L	1.5	0.47		
2/24/2025	PFAS	2502241040Y	PFHxS	6.9	ng/L	1.5	0.4		
2/24/2025	PFAS	2502241040Y	PFBA	41.1	ng/L	6.2	1.5		

Analytical Results for Sampling Events at 200-F-370

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/11/2025	8260	2502111415Y	Tetrahydrofuran (THF)	50	ug/L	5.0	1.7		
2/11/2025	8260	2502111415Y	Silane, fluorotrimethyl-	8.4	ug/L	NA	NA		J TIC
2/11/2025	8260	2502111415Y	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	3.7	ug/L	1.0	0.20		
2/11/2025	8260	2502111415Y	Trichloroethene (TCE)	0.94	ug/L	1.0	0.20		J
2/11/2025	8260	2502111415Y	Dichlorofluoromethane (CFC 21)	5.7	ug/L	1.0	0.20		
2/11/2025	8260	2502111415Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.4	ug/L	1.0	0.20		
2/11/2025	8260	2502111415Y	Acrylonitrile	1.5	ug/L	5.0	0.90		J
2/11/2025	8260	2502111415Y	Styrene	0.26	ug/L	1.0	0.20		J
2/11/2025	607	2502111416Y	Bromacil	0.006	µg/L	0.0095	0.0048	83	J
2/11/2025	METALS	2502111445Y	Molybdenum, Total	0.006	mg/L	0.025	0.003		J
2/11/2025	METALS	2502111445Y	Zinc, Total	0.015	mg/L	0.020	0.003		J
2/11/2025	METALS	2502111445Y	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
2/11/2025	METALS	2502111445Y	Strontium, Total	12.8	mg/L	0.50	0.009		
2/11/2025	METALS	2502111445Y	Sodium, Total	21.1	mg/L	1.0	0.3		
2/11/2025	METALS	2502111445Y	Nickel, Total	0.013	mg/L	0.040	0.003		J
2/11/2025	METALS	2502111445Y	Manganese, Total	0.006	mg/L	0.010	0.004		J
2/11/2025	METALS	2502111445Y	Magnesium, Total	81.8	mg/L	1.0	0.03		
2/11/2025	METALS	2502111445Y	Iron, Total	0.55	mg/L	0.10	0.07		
2/11/2025	METALS	2502111445Y	Calcium, Total	141	mg/L	1.0	0.3		
2/11/2025	METALS	2502111445Y	Boron, Total	0.08	mg/L	0.20	0.02		J
2/11/2025	METALS	2502111445Y	Barium, Total	0.024	mg/L	0.020	0.003		
2/11/2025	METALS	2502111445Y	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
2/11/2025	METALS	2502111445Y	Potassium, Total	2.7	mg/L	2.0	0.4		
2/11/2025	METALS	2502111446Y	Molybdenum, Total	0.005	mg/L	0.025	0.003		J
2/11/2025	METALS	2502111446Y	Iron, Total	0.55	mg/L	0.10	0.07		
2/11/2025	METALS	2502111446Y	Zinc, Total	0.022	mg/L	0.020	0.003		
2/11/2025	METALS	2502111446Y	Strontium, Total	12.7	mg/L	0.50	0.009		
2/11/2025	METALS	2502111446Y	Sodium, Total	21.2	mg/L	1.0	0.3		
2/11/2025	METALS	2502111446Y	Potassium, Total	2.7	mg/L	2.0	0.4		
2/11/2025	METALS	2502111446Y	Nickel, Total	0.012	mg/L	0.040	0.003		J
2/11/2025	METALS	2502111446Y	Magnesium, Total	81.7	mg/L	1.0	0.03		
2/11/2025	METALS	2502111446Y	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
2/11/2025	METALS	2502111446Y	Calcium, Total	141	mg/L	1.0	0.3		
2/11/2025	METALS	2502111446Y	Boron, Total	0.08	mg/L	0.20	0.02		J
2/11/2025	METALS	2502111446Y	Barium, Total	0.024	mg/L	0.020	0.003		
2/11/2025	METALS	2502111446Y	Manganese, Total	0.006	mg/L	0.010	0.004		J

Analytical Results for Sampling Events at 200-F-420

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/12/2025	8260	2502121000Y	Silane, fluorotrimethyl-	12	ug/L	NA	NA		J TIC
2/12/2025	8260	2502121000Y	Unknown	6.2	ug/L	NA	NA		J TIC
2/12/2025	8260	2502121000Y	Unknown	8.2	ug/L	NA	NA		J TIC
2/12/2025	8260	2502121000Y	Tetrahydrofuran (THF)	51	ug/L	5.0	1.7		SP
2/12/2025	8260	2502121000Y	Acrylonitrile	1.1	ug/L	5.0	0.90		J SP
2/12/2025	8260	2502121000Y	2-Butanone (MEK)	0.81	ug/L	5.0	0.78		J SP
2/12/2025	8260	2502121000Y	Unknown	8.4	ug/L	NA	NA		J TIC
2/12/2025	METALS	2502121040Y	Barium, Total	0.027	mg/L	0.020	0.003		
2/12/2025	METALS	2502121040Y	Nickel, Total	0.014	mg/L	0.040	0.003		J
2/12/2025	METALS	2502121040Y	Zinc, Total	0.018	mg/L	0.020	0.003		J EB
2/12/2025	METALS	2502121040Y	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
2/12/2025	METALS	2502121040Y	Strontium, Total	18.2	mg/L	0.50	0.009		EB
2/12/2025	METALS	2502121040Y	Sodium, Total	23.3	mg/L	1.0	0.3		
2/12/2025	METALS	2502121040Y	Potassium, Total	2.8	mg/L	2.0	0.4		
2/12/2025	METALS	2502121040Y	Molybdenum, Total	0.004	mg/L	0.025	0.003		J
2/12/2025	METALS	2502121040Y	Manganese, Total	0.01	mg/L	0.010	0.004		J
2/12/2025	METALS	2502121040Y	Magnesium, Total	81.1	mg/L	1.0	0.03		EB
2/12/2025	METALS	2502121040Y	Iron, Total	0.6	mg/L	0.10	0.07		
2/12/2025	METALS	2502121040Y	Boron, Total	0.07	mg/L	0.20	0.02		J
2/12/2025	METALS	2502121040Y	Calcium, Total	151	mg/L	1.0	0.3		

Analytical Results for Sampling Events at 200-G-175

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/24/2025	PFAS	2502241650Y	PFHxA	2	ng/L	1.5	0.35		
2/24/2025	PFAS	2502241650Y	PFHpA	2.1	ng/L	1.5	0.57		
2/24/2025	PFAS	2502241650Y	PFBA	110	ng/L	5.9	1.4		
2/24/2025	PFAS	2502241650Y	PFOS	10.8	ng/L	1.5	0.36		
2/24/2025	PFAS	2502241650Y	PFHxS	3.1	ng/L	1.5	0.38		
2/24/2025	PFAS	2502241650Y	PFOA	3.3	ng/L	1.5	0.45		

Analytical Results for Sampling Events at 200-H-225

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/24/2025	PFAS	2502241430Y	PFOA	8	ng/L	1.5	0.46		
2/24/2025	PFAS	2502241430Y	PFBA	14.8	ng/L	6.1	1.5		EB
2/24/2025	PFAS	2502241430Y	PFHpA	1.6	ng/L	1.5	0.59		
3/26/2025	SM2540C	2503261055A	Total Dissolved Solids (TDS)	883	mg/L	10	9		
3/26/2025	300.0	2503261057A	Chloride	34	mg/L	2.0	0.5		
3/26/2025	353.2	2503261058A	Nitrate+Nitrite as Nitrogen	0.315	mg/L	0.050	0.002		

Analytical Results for Sampling Events at 200-I-300

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/26/2025	SM2540C	2503260955A	Total Dissolved Solids (TDS)	513	mg/L	10	9		
3/26/2025	300.0	2503260957A	Chloride	25	mg/L	2.0	0.5		

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
3/24/2025	8260	2503241345A	1,1,2-Trichloro-1,2,2-Trifluoroethane	9.6	ug/L	1.0	0.20		
3/24/2025	8260	2503241345A	Unknown	31	ug/L	NA	NA		J TIC
3/24/2025	8260	2503241345A	Chloromethane	0.52	ug/L	2.0	0.40		J
3/24/2025	8260	2503241345A	Trichlorofluoromethane (CFC 11)	55	ug/L	1.0	0.24		
3/24/2025	8260	2503241345A	Trichloroethene (TCE)	0.2	ug/L	1.0	0.20		J
3/24/2025	8260	2503241345A	Dichlorofluoromethane (CFC 21)	0.21	ug/L	1.0	0.20		J
3/24/2025	607	2503241347A	Bromacil	0.44	µg/L	0.0099	0.005	99	
3/24/2025	607	2503241347A	N-Nitrosodimethylamine	9.55	µg/L	0.5	0.25	44	D
3/24/2025	607	2503241347A	N-Nitrodimethylamine	60.59	µg/L	0.5	0.25	70	D
3/24/2025	METALS	2503241400A	Boron, Total	0.27	mg/L	0.20	0.02		
3/24/2025	METALS	2503241400A	Zinc, Total	0.008	mg/L	0.020	0.003		J
3/24/2025	METALS	2503241400A	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
3/24/2025	METALS	2503241400A	Thallium, Total	0.0002	mg/L	0.0010	0.00004		J
3/24/2025	METALS	2503241400A	Strontium, Total	1.73	mg/L	0.10	0.002		
3/24/2025	METALS	2503241400A	Sodium, Total	126	mg/L	1.0	0.3		
3/24/2025	METALS	2503241400A	Potassium, Total	3.6	mg/L	2.0	0.4		
3/24/2025	METALS	2503241400A	Calcium, Total	94.8	mg/L	1.0	0.3		
3/24/2025	METALS	2503241400A	Nickel, Total	0.035	mg/L	0.040	0.003		J
3/24/2025	METALS	2503241400A	Molybdenum, Total	0.006	mg/L	0.025	0.003		J
3/24/2025	METALS	2503241400A	Manganese, Total	0.008	mg/L	0.010	0.004		J
3/24/2025	METALS	2503241400A	Magnesium, Total	65.4	mg/L	1.0	0.03		
3/24/2025	METALS	2503241400A	Iron, Total	0.13	mg/L	0.10	0.07		
3/24/2025	METALS	2503241400A	Barium, Total	0.038	mg/L	0.020	0.003		
3/24/2025	METALS	2503241400A	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
3/24/2025	METALS	2503241400A	Aluminum, Total	0.14	mg/L	0.10	0.03		
3/24/2025	ANIONS	2503241401A	Alkalinity, Total as CaCO3	270	mg/L	2.0	1.8		
3/24/2025	ANIONS	2503241401A	Sulfate	256	mg/L	20	4		
3/24/2025	ANIONS	2503241401A	Fluoride, undistilled	0.63	mg/L	0.10	0.010		
3/24/2025	ANIONS	2503241401A	Chloride	44.2	mg/L	2.0	0.5		
3/24/2025	SM2540C	2503241402A	Total Dissolved Solids (TDS)	1080	mg/L	12	11		
3/24/2025	6850	2503241403A	Perchlorate	0.38	ug/L	0.20	0.047		
3/24/2025	353.2	2503241440A	Nitrate+Nitrite as Nitrogen	62.1	mg/L	5.0	0.2		

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
3/25/2025	8260	2503251255A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.3	ug/L	1.0	0.20		
3/25/2025	8260	2503251255A	Dichlorofluoromethane (CFC 21)	26	ug/L	1.0	0.20		
3/25/2025	8260	2503251255A	Unknown	30	ug/L	NA	NA		J TIC
3/25/2025	8260	2503251255A	1,1,2-Trichloro-1,2,2-Trifluoroethane	8.5	ug/L	1.0	0.20		
3/25/2025	8260	2503251255A	Trichloroethene (TCE)	0.46	ug/L	1.0	0.20		J
3/25/2025	8260	2503251255A	Trichlorofluoromethane (CFC 11)	60	ug/L	1.0	0.24		
3/25/2025	607	2503251257A	N-Nitrosodimethylamine	0.25	µg/L	0.01	0.005	44	
3/25/2025	607	2503251257A	N-Nitrodimethylamine	1.02	µg/L	0.01	0.005	70	
3/25/2025	607	2503251257A	Bromacil	0.46	µg/L	0.01	0.005	99	
3/25/2025	METALS	2503251259A	Boron, Total	0.12	mg/L	0.20	0.02		J
3/25/2025	METALS	2503251259A	Zinc, Total	0.024	mg/L	0.020	0.003		
3/25/2025	METALS	2503251259A	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
3/25/2025	METALS	2503251259A	Thallium, Total	0.0004	mg/L	0.0010	0.00004		J
3/25/2025	METALS	2503251259A	Strontium, Total	1.88	mg/L	0.10	0.002		
3/25/2025	METALS	2503251259A	Sodium, Total	50.9	mg/L	1.0	0.3		
3/25/2025	METALS	2503251259A	Potassium, Total	3	mg/L	2.0	0.4		
3/25/2025	METALS	2503251259A	Cobalt, Total	0.001	mg/L	0.050	0.0009		J
3/25/2025	METALS	2503251259A	Nickel, Total	0.027	mg/L	0.040	0.003		J
3/25/2025	METALS	2503251259A	Aluminum, Total	0.08	mg/L	0.10	0.03		J
3/25/2025	METALS	2503251259A	Molybdenum, Total	0.025	mg/L	0.025	0.003		J
3/25/2025	METALS	2503251259A	Manganese, Total	0.265	mg/L	0.010	0.004		
3/25/2025	METALS	2503251259A	Magnesium, Total	57.9	mg/L	1.0	0.03		
3/25/2025	METALS	2503251259A	Iron, Total	0.09	mg/L	0.10	0.07		J
3/25/2025	METALS	2503251259A	Barium, Total	0.043	mg/L	0.020	0.003		
3/25/2025	METALS	2503251259A	Arsenic, Total	0.0029	mg/L	0.0010	0.0004		
3/25/2025	METALS	2503251259A	Antimony, Total	0.0005	mg/L	0.0010	0.0002		J
3/25/2025	METALS	2503251259A	Calcium, Total	101	mg/L	1.0	0.3		
3/25/2025	ANIONS	2503251300A	Sulfate	273	mg/L	20	4		
3/25/2025	ANIONS	2503251300A	Chloride	56.9	mg/L	2.0	0.5		
3/25/2025	ANIONS	2503251300A	Alkalinity, Total as CaCO3	251	mg/L	2.0	1.8		
3/25/2025	ANIONS	2503251300A	Fluoride, undistilled	0.84	mg/L	0.10	0.010		
3/25/2025	SM2540C	2503251301A	Total Dissolved Solids (TDS)	766	mg/L	10	9		
3/25/2025	6850	2503251302A	Perchlorate	0.11	ug/L	0.20	0.047		J
3/25/2025	353.2	2503251303A	Nitrate+Nitrite as Nitrogen	1.03	mg/L	0.050	0.002		

Analytical Results for Sampling Events at 300-A-170

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/18/2025	8260	2502181435A	1,1,2-Trichloro-1,2,2-Trifluoroethane	16	ug/L	1.0	0.20		
2/18/2025	8260	2502181435A	Unknown	87	ug/L	NA	NA		J TIC
2/18/2025	8260	2502181435A	Carbon Dioxide	50	ug/L	NA	NA		J TIC
2/18/2025	8260	2502181435A	Trichlorofluoromethane (CFC 11)	180	ug/L	2.5	0.60		D
2/18/2025	8260	2502181435A	Dichlorofluoromethane (CFC 21)	0.52	ug/L	1.0	0.20		J
2/18/2025	8260	2502181435A	Trichloroethene (TCE)	0.86	ug/L	1.0	0.20		J
2/18/2025	607	2502181437A	N-Nitrosodimethylamine	0.95	µg/L	0.0096	0.0048	41	
2/18/2025	607	2502181437A	N-Nitrodimethylamine	3.96	µg/L	0.0096	0.0048	77	
2/18/2025	607	2502181437A	Bromacil	1.05	µg/L	0.0096	0.0048	115	
2/18/2025	METALS	2502181438A	Iron, Total	0.57	mg/L	0.10	0.07		
2/18/2025	METALS	2502181438A	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
2/18/2025	METALS	2502181438A	Strontium, Total	2.19	mg/L	0.10	0.002		
2/18/2025	METALS	2502181438A	Sodium, Total	52.7	mg/L	1.0	0.3		
2/18/2025	METALS	2502181438A	Silver, Total	0.0006	mg/L	0.010	0.0006		J
2/18/2025	METALS	2502181438A	Potassium, Total	2.7	mg/L	2.0	0.4		
2/18/2025	METALS	2502181438A	Nickel, Total	0.089	mg/L	0.040	0.003		
2/18/2025	METALS	2502181438A	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
2/18/2025	METALS	2502181438A	Zinc, Total	0.007	mg/L	0.020	0.003		J
2/18/2025	METALS	2502181438A	Antimony, Total	0.0003	mg/L	0.0010	0.0002		J
2/18/2025	METALS	2502181438A	Magnesium, Total	58.5	mg/L	1.0	0.03		
2/18/2025	METALS	2502181438A	Manganese, Total	0.02	mg/L	0.010	0.004		
2/18/2025	METALS	2502181438A	Arsenic, Total	0.0007	mg/L	0.0010	0.0004		J
2/18/2025	METALS	2502181438A	Barium, Total	0.041	mg/L	0.020	0.003		
2/18/2025	METALS	2502181438A	Boron, Total	0.14	mg/L	0.20	0.02		J
2/18/2025	METALS	2502181438A	Calcium, Total	87.3	mg/L	1.0	0.3		
2/18/2025	METALS	2502181438A	Chromium, Total	0.041	mg/L	0.010	0.002		
2/18/2025	METALS	2502181438A	Cobalt, Total	0.001	mg/L	0.050	0.0009		J

Analytical Results for Sampling Events at 300-B-166

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/5/2025	8260	2502051410C	Dichlorofluoromethane (CFC 21)	2.2	ug/L	1.0	0.20		
2/5/2025	8260	2502051410C	Trichlorofluoromethane (CFC 11)	49	ug/L	1.0	0.24		
2/5/2025	8260	2502051410C	Unknown	40	ug/L	NA	NA		J TIC
2/5/2025	8260	2502051410C	1,1,2-Trichloro-1,2,2-Trifluoroethane	3.4	ug/L	1.0	0.20		
2/5/2025	607	2502051412C	Bromacil	0.09	µg/L	0.0094	0.0047	54	
2/5/2025	607	2502051412C	N-Nitrosodimethylamine	2	µg/L	0.0094	0.0047	33	
2/5/2025	607	2502051412C	N-Nitrodimethylamine	2.53	µg/L	0.0094	0.0047	61	
2/5/2025	607	2502051413C	Bromacil	0.08	µg/L	0.0094	0.0047	54	
2/5/2025	607	2502051413C	N-Nitrosodimethylamine	1.82	µg/L	0.0094	0.0047	33	
2/5/2025	607	2502051413C	N-Nitrodimethylamine	2.43	µg/L	0.0094	0.0047	61	
2/5/2025	METALS	2502051414C	Antimony, Total	0.0037	mg/L	0.0010	0.0002		
2/5/2025	METALS	2502051414C	Barium, Total	0.039	mg/L	0.020	0.003		
2/5/2025	METALS	2502051414C	Boron, Total	0.11	mg/L	0.20	0.02		J
2/5/2025	METALS	2502051414C	Calcium, Total	67.9	mg/L	1.0	0.3		
2/5/2025	METALS	2502051414C	Chromium, Total	0.028	mg/L	0.010	0.002		
2/5/2025	METALS	2502051414C	Copper, Total	0.007	mg/L	0.020	0.004		J
2/5/2025	METALS	2502051414C	Magnesium, Total	49.9	mg/L	1.0	0.03		
2/5/2025	METALS	2502051414C	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
2/5/2025	METALS	2502051414C	Nickel, Total	0.043	mg/L	0.040	0.003		
2/5/2025	METALS	2502051414C	Potassium, Total	2.2	mg/L	2.0	0.4		
2/5/2025	METALS	2502051414C	Sodium, Total	39.4	mg/L	1.0	0.3		
2/5/2025	METALS	2502051414C	Strontium, Total	1.68	mg/L	0.10	0.002		

Analytical Results for Sampling Events at 300-E-138

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/14/2025	8260	2502141010Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	1	ug/L	1.0	0.20		
2/14/2025	8260	2502141010Y	Unknown	49	ug/L	NA	NA		J TIC
2/14/2025	8260	2502141010Y	Trichlorofluoromethane (CFC 11)	13	ug/L	1.0	0.24		
2/14/2025	8260	2502141011Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.89	ug/L	1.0	0.20		J
2/14/2025	8260	2502141011Y	Trichlorofluoromethane (CFC 11)	14	ug/L	1.0	0.24		
2/14/2025	8260	2502141011Y	Unknown	48	ug/L	NA	NA		J TIC
2/14/2025	607	2502141012Y	N-Nitrosodimethylamine	0.52	µg/L	0.0097	0.0049	39	
2/14/2025	607	2502141012Y	N-Nitrodimethylamine	2.39	µg/L	0.0097	0.0049	71	
2/14/2025	607	2502141012Y	Bromacil	0.1	µg/L	0.0097	0.0049	93	
2/14/2025	METALS	2502141040Y	Potassium, Total	2.7	mg/L	2.0	0.4		
2/14/2025	METALS	2502141040Y	Zinc, Total	0.009	mg/L	0.020	0.003		J
2/14/2025	METALS	2502141040Y	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
2/14/2025	METALS	2502141040Y	Thallium, Total	0.0001	mg/L	0.0010	0.00004		J
2/14/2025	METALS	2502141040Y	Sodium, Total	102	mg/L	1.0	0.3		
2/14/2025	METALS	2502141040Y	Nickel, Total	0.038	mg/L	0.040	0.003		J
2/14/2025	METALS	2502141040Y	Magnesium, Total	61.3	mg/L	1.0	0.03		
2/14/2025	METALS	2502141040Y	Calcium, Total	97	mg/L	1.0	0.3		
2/14/2025	METALS	2502141040Y	Boron, Total	0.23	mg/L	0.20	0.02		
2/14/2025	METALS	2502141040Y	Barium, Total	0.023	mg/L	0.020	0.003		
2/14/2025	METALS	2502141040Y	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
2/14/2025	METALS	2502141040Y	Strontium, Total	1.78	mg/L	0.10	0.002		
2/14/2025	METALS	2502141040Y	Molybdenum, Total	0.007	mg/L	0.025	0.003		J

Analytical Results for Sampling Events at 300-E-183

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/14/2025	8260	2502141330Y	Trichloroethene (TCE)	0.96	ug/L	1.0	0.20		J
2/14/2025	8260	2502141330Y	Trichlorofluoromethane (CFC 11)	6.1	ug/L	1.0	0.24		EB
2/14/2025	8260	2502141330Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.91	ug/L	1.0	0.20		J
2/14/2025	8260	2502141330Y	Unknown	51	ug/L	NA	NA		J TIC
2/14/2025	607	2502141331Y	N-Nitrodimethylamine	0.006	µg/L	0.0098	0.0049	71	J
2/14/2025	607	2502141331Y	Bromacil	0.35	µg/L	0.0098	0.0049	93	
2/14/2025	METALS	2502141350Y	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
2/14/2025	METALS	2502141350Y	Sodium, Total	42.5	mg/L	1.0	0.3		
2/14/2025	METALS	2502141350Y	Zinc, Total	0.01	mg/L	0.020	0.003		J
2/14/2025	METALS	2502141350Y	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
2/14/2025	METALS	2502141350Y	Thallium, Total	0.0002	mg/L	0.0010	0.00004		J
2/14/2025	METALS	2502141350Y	Strontium, Total	1.85	mg/L	0.10	0.002		
2/14/2025	METALS	2502141350Y	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
2/14/2025	METALS	2502141350Y	Potassium, Total	3.7	mg/L	2.0	0.4		
2/14/2025	METALS	2502141350Y	Magnesium, Total	58	mg/L	1.0	0.03		
2/14/2025	METALS	2502141350Y	Calcium, Total	112	mg/L	1.0	0.3		
2/14/2025	METALS	2502141350Y	Boron, Total	0.11	mg/L	0.20	0.02		J
2/14/2025	METALS	2502141350Y	Barium, Total	0.024	mg/L	0.020	0.003		
2/14/2025	METALS	2502141350Y	Nickel, Total	0.027	mg/L	0.040	0.003		J

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
2/19/2025	8260	2502191320A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.4	ug/L	1.0	0.20		J
2/19/2025	8260	2502191320A	Unknown	47	ug/L	NA	NA		J TIC
2/19/2025	8260	2502191320A	Trichlorofluoromethane (CFC 11)	150	ug/L	1.0	0.24		
2/19/2025	8260	2502191320A	Trichloroethene (TCE)	0.85	ug/L	1.0	0.20		J
2/19/2025	8260	2502191320A	Dichlorofluoromethane (CFC 21)	1.3	ug/L	1.0	0.20		
2/19/2025	8260	2502191320A	1,1,2-Trichloro-1,2,2-Trifluoroethane	29	ug/L	1.0	0.20		
2/19/2025	607	2502191322A	N-Nitrodimethylamine	4.24	µg/L	0.0095	0.0048	77	
2/19/2025	607	2502191322A	Bromacil	1.35	µg/L	0.0095	0.0048	115	
2/19/2025	607	2502191322A	N-Nitrosodimethylamine	2.49	µg/L	0.0095	0.0048	41	
2/19/2025	METALS	2502191324A	Barium, Total	0.031	mg/L	0.020	0.003		
2/19/2025	METALS	2502191324A	Molybdenum, Total	0.006	mg/L	0.025	0.003		J
2/19/2025	METALS	2502191324A	Zinc, Total	0.015	mg/L	0.020	0.003		J
2/19/2025	METALS	2502191324A	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
2/19/2025	METALS	2502191324A	Strontium, Total	3.74	mg/L	0.10	0.002		
2/19/2025	METALS	2502191324A	Sodium, Total	78.4	mg/L	1.0	0.3		
2/19/2025	METALS	2502191324A	Selenium, Total	0.008	mg/L	0.010	0.007		J
2/19/2025	METALS	2502191324A	Potassium, Total	3.9	mg/L	2.0	0.4		
2/19/2025	METALS	2502191324A	Nickel, Total	0.033	mg/L	0.040	0.003		J
2/19/2025	METALS	2502191324A	Manganese, Total	0.008	mg/L	0.010	0.004		J
2/19/2025	METALS	2502191324A	Magnesium, Total	74.4	mg/L	1.0	0.03		
2/19/2025	METALS	2502191324A	Iron, Total	0.15	mg/L	0.10	0.07		
2/19/2025	METALS	2502191324A	Chromium, Total	0.002	mg/L	0.010	0.002		J
2/19/2025	METALS	2502191324A	Boron, Total	0.22	mg/L	0.20	0.02		
2/19/2025	METALS	2502191324A	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
2/19/2025	METALS	2502191324A	Aluminum, Total	0.18	mg/L	0.10	0.03		
2/19/2025	METALS	2502191324A	Calcium, Total	104	mg/L	1.0	0.3		
2/19/2025	ANIONS	2502191325A	Alkalinity, Total as CaCO3	224	mg/L	2.0	1.8		
2/19/2025	ANIONS	2502191325A	Chloride	86.5	mg/L	2.0	0.5		
2/19/2025	ANIONS	2502191325A	Fluoride, undistilled	0.56	mg/L	0.10	0.010		
2/19/2025	ANIONS	2502191325A	Sulfate	342	mg/L	20	4		
2/19/2025	SM2540C	2502191326A	Total Dissolved Solids (TDS)	929	mg/L	10	9		
2/19/2025	6850	2502191327A	Perchlorate	0.86	ug/L	0.20	0.047		A
2/19/2025	353.2	2502191328A	Nitrate+Nitrite as Nitrogen	5.91	mg/L	0.25	0.008		

Analytical Results for Sampling Events at 400-EV-131

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/19/2025	8260	2502191020C	1,1,2-Trichloro-1,2,2-Trifluoroethane	79	ug/L	1.0	0.20		
2/19/2025	8260	2502191020C	Dichlorofluoromethane (CFC 21)	0.36	ug/L	1.0	0.20		J
2/19/2025	8260	2502191020C	Trichloroethene (TCE)	1	ug/L	1.0	0.20		
2/19/2025	8260	2502191020C	Trichlorofluoromethane (CFC 11)	370	ug/L	2.5	0.60		D
2/19/2025	8260	2502191020C	Unknown	93	ug/L	NA	NA		J TIC
2/19/2025	8260	2502191020C	Unknown	49	ug/L	NA	NA		J TIC

Analytical Results for Sampling Events at 400-FV-131

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/17/2025	8260	2504171406C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	4.3	ug/L	1.0	0.20		
4/17/2025	8260	2504171406C	Unknown	39	ug/L	NA	NA		J TIC
4/17/2025	8260	2504171406C	Trichlorofluoromethane (CFC 11)	7.7	ug/L	1.0	0.24		
4/17/2025	8260	2504171406C	Dichlorofluoromethane (CFC 21)	3.3	ug/L	1.0	0.20		
4/17/2025	8260	2504171406C	1,1,2-Trichloro-1,2,2-Trifluoroethane	12	ug/L	1.0	0.20		A QD

Analytical Results for Sampling Events at 400-GV-125

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/19/2025	8260	2502191430C	Trichlorofluoromethane (CFC 11)	180	ug/L	2.5	0.60		D
2/19/2025	8260	2502191430C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	5.6	ug/L	1.0	0.20		
2/19/2025	8260	2502191430C	Unknown	98	ug/L	NA	NA		J TIC
2/19/2025	8260	2502191430C	Unknown	52	ug/L	NA	NA		J TIC
2/19/2025	8260	2502191430C	1,1,2-Trichloro-1,2,2-Trifluoroethane	53	ug/L	1.0	0.20		
2/19/2025	8260	2502191430C	Dichlorofluoromethane (CFC 21)	4.6	ug/L	1.0	0.20		
2/19/2025	8260	2502191430C	Trichloroethene (TCE)	0.86	ug/L	1.0	0.20		J

Analytical Results for Sampling Events at 400-HV-147

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/17/2025	8260	2504171020C	1,1,2-Trichloro-1,2,2-Trifluoroethane	55	ug/L	1.0	0.20		A
4/17/2025	8260	2504171020C	Trichlorofluoromethane (CFC 11)	120	ug/L	1.0	0.24		
4/17/2025	8260	2504171020C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.1	ug/L	1.0	0.20		
4/17/2025	8260	2504171020C	Unknown	29	ug/L	NA	NA		J TIC
4/17/2025	8260	2504171020C	Chloroform	1	ug/L	1.0	0.51		
4/17/2025	8260	2504171020C	Dichlorofluoromethane (CFC 21)	3.7	ug/L	1.0	0.20		
4/17/2025	8260	2504171020C	Trichloroethene (TCE)	0.3	ug/L	1.0	0.20		J
4/17/2025	8260	2504171021C	Trichlorofluoromethane (CFC 11)	120	ug/L	1.0	0.24		
4/17/2025	8260	2504171021C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.2	ug/L	1.0	0.20		
4/17/2025	8260	2504171021C	Trichloroethene (TCE)	0.29	ug/L	1.0	0.20		J
4/17/2025	8260	2504171021C	Dichlorofluoromethane (CFC 21)	3.7	ug/L	1.0	0.20		
4/17/2025	8260	2504171021C	Chloroform	1.1	ug/L	1.0	0.51		
4/17/2025	8260	2504171021C	1,1,2-Trichloro-1,2,2-Trifluoroethane	56	ug/L	1.0	0.20		A
4/17/2025	8260	2504171021C	Unknown	29	ug/L	NA	NA		J TIC

Analytical Results for Sampling Events at 400-JV-150

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/20/2025	8260	2502201348A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.73	ug/L	1.0	0.20		J
2/20/2025	8260	2502201348A	Unknown	6.3	ug/L	NA	NA		J TIC
2/20/2025	8260	2502201348A	1,1,2-Trichloro-1,2,2-Trifluoroethane	200	ug/L	1.0	0.20		
2/20/2025	8260	2502201348A	Dichlorofluoromethane (CFC 21)	2.7	ug/L	1.0	0.20		
2/20/2025	8260	2502201348A	Trichloroethene (TCE)	0.72	ug/L	1.0	0.20		J
2/20/2025	8260	2502201348A	Trichlorofluoromethane (CFC 11)	700	ug/L	10	2.4		D

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
3/19/2025	8260	2503191250A	Unknown	12	ug/L	NA	NA		J TIC
3/19/2025	8260	2503191250A	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.34	ug/L	1.0	0.20		J
3/19/2025	607	2503191252A	Bromacil	2.76	µg/L	0.0095	0.0048	102	
3/19/2025	METALS	2503191310A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
3/19/2025	METALS	2503191310A	Zinc, Total	0.019	mg/L	0.020	0.003		J
3/19/2025	METALS	2503191310A	Strontium, Total	4.56	mg/L	0.10	0.002		
3/19/2025	METALS	2503191310A	Sodium, Total	51.6	mg/L	1.0	0.3		
3/19/2025	METALS	2503191310A	Potassium, Total	3.9	mg/L	2.0	0.4		
3/19/2025	METALS	2503191310A	Nickel, Total	0.03	mg/L	0.040	0.003		J
3/19/2025	METALS	2503191310A	Molybdenum, Total	0.015	mg/L	0.025	0.003		J
3/19/2025	METALS	2503191310A	Manganese, Total	0.007	mg/L	0.010	0.004		J
3/19/2025	METALS	2503191310A	Iron, Total	0.32	mg/L	0.10	0.07		
3/19/2025	METALS	2503191310A	Chromium, Total	0.004	mg/L	0.010	0.002		J
3/19/2025	METALS	2503191310A	Calcium, Total	151	mg/L	1.0	0.3		
3/19/2025	METALS	2503191310A	Boron, Total	0.09	mg/L	0.20	0.02		J
3/19/2025	METALS	2503191310A	Barium, Total	0.048	mg/L	0.020	0.003		
3/19/2025	METALS	2503191310A	Aluminum, Total	0.21	mg/L	0.10	0.03		
3/19/2025	METALS	2503191310A	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
3/19/2025	METALS	2503191310A	Magnesium, Total	92.9	mg/L	1.0	0.03		
3/19/2025	ANIONS	2503191313A	Sulfate	387	mg/L	20	4		
3/19/2025	ANIONS	2503191313A	Alkalinity, Total as CaCO3	113	mg/L	2.0	1.8		
3/19/2025	ANIONS	2503191313A	Chloride	277	mg/L	20	5		
3/19/2025	ANIONS	2503191313A	Fluoride, undistilled	1.15	mg/L	0.10	0.010		
3/19/2025	SM2540C	2503191316A	Total Dissolved Solids (TDS)	1100	mg/L	13	12		
3/19/2025	6850	2503191319A	Perchlorate	1.6	ug/L	0.20	0.047		
3/19/2025	353.2	2503191320A	Nitrate+Nitrite as Nitrogen	3.74	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
3/20/2025	8260	2503201245A	Unknown	13	ug/L	NA	NA		J TIC
3/20/2025	607	2503201247A	Bromacil	0.006	µg/L	0.0097	0.0049	102	J
3/20/2025	METALS	2503201255A	Nickel, Total	0.031	mg/L	0.040	0.003		J
3/20/2025	METALS	2503201255A	Zinc, Total	0.02	mg/L	0.020	0.003		
3/20/2025	METALS	2503201255A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
3/20/2025	METALS	2503201255A	Strontium, Total	3.04	mg/L	0.10	0.002		
3/20/2025	METALS	2503201255A	Sodium, Total	38.8	mg/L	1.0	0.3		
3/20/2025	METALS	2503201255A	Selenium, Total	0.009	mg/L	0.010	0.007		J
3/20/2025	METALS	2503201255A	Potassium, Total	3.3	mg/L	2.0	0.4		
3/20/2025	METALS	2503201255A	Magnesium, Total	60.7	mg/L	1.0	0.03		
3/20/2025	METALS	2503201255A	Chromium, Total	0.002	mg/L	0.010	0.002		J
3/20/2025	METALS	2503201255A	Calcium, Total	96.3	mg/L	1.0	0.3		
3/20/2025	METALS	2503201255A	Boron, Total	0.09	mg/L	0.20	0.02		J
3/20/2025	METALS	2503201255A	Barium, Total	0.029	mg/L	0.020	0.003		
3/20/2025	METALS	2503201255A	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
3/20/2025	METALS	2503201255A	Molybdenum, Total	0.018	mg/L	0.025	0.003		J
3/20/2025	ANIONS	2503201256A	Chloride	165	mg/L	20	5		
3/20/2025	ANIONS	2503201256A	Fluoride, undistilled	1.1	mg/L	0.10	0.010		
3/20/2025	ANIONS	2503201256A	Sulfate	220	mg/L	20	4		
3/20/2025	ANIONS	2503201256A	Alkalinity, Total as CaCO3	121	mg/L	2.0	1.8		
3/20/2025	SM2540C	2503201257A	Total Dissolved Solids (TDS)	750	mg/L	10	9		
3/20/2025	6850	2503201258A	Perchlorate	1.9	ug/L	0.20	0.047		
3/20/2025	353.2	2503201259A	Nitrate+Nitrite as Nitrogen	5.82	mg/L	0.25	0.008		

Analytical Results for Sampling Events at 600A-003-GW

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/14/2025	8260	2504140830A	Unknown	26	ug/L	NA	NA		J TIC
4/14/2025	607	2504140832A	Bromacil	0.44	µg/L	0.0098	0.0049	105	
4/14/2025	METALS	2504140834A	Potassium, Total	6	mg/L	2.0	0.4		
4/14/2025	METALS	2504140834A	Barium, Total	0.057	mg/L	0.020	0.003		
4/14/2025	METALS	2504140834A	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
4/14/2025	METALS	2504140834A	Antimony, Total	0.0003	mg/L	0.0010	0.0002		J
4/14/2025	METALS	2504140834A	Aluminum, Total	0.11	mg/L	0.10	0.03		
4/14/2025	METALS	2504140834A	Zinc, Total	0.03	mg/L	0.020	0.003		
4/14/2025	METALS	2504140834A	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
4/14/2025	METALS	2504140834A	Boron, Total	0.25	mg/L	0.20	0.02		
4/14/2025	METALS	2504140834A	Nickel, Total	0.035	mg/L	0.040	0.003		J
4/14/2025	METALS	2504140834A	Molybdenum, Total	0.015	mg/L	0.025	0.003		J
4/14/2025	METALS	2504140834A	Manganese, Total	0.02	mg/L	0.010	0.004		
4/14/2025	METALS	2504140834A	Magnesium, Total	97.4	mg/L	1.0	0.03		
4/14/2025	METALS	2504140834A	Iron, Total	0.1	mg/L	0.10	0.07		
4/14/2025	METALS	2504140834A	Calcium, Total	162	mg/L	1.0	0.3		
4/14/2025	METALS	2504140834A	Strontium, Total	5.54	mg/L	0.10	0.002		
4/14/2025	METALS	2504140834A	Sodium, Total	92.5	mg/L	1.0	0.3		

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
4/17/2025	8260	2504171305A	Trichlorofluoromethane (CFC 11)	0.28	ug/L	1.0	0.24		J
4/17/2025	8260	2504171305A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.3	ug/L	1.0	0.20		
4/17/2025	8260	2504171305A	Trichloroethene (TCE)	25	ug/L	1.0	0.20		
4/17/2025	8260	2504171305A	1,1,2-Trichloro-1,2,2-Trifluoroethane	59	ug/L	1.0	0.20		A
4/17/2025	8260	2504171305A	Unknown	25	ug/L	NA	NA		J TIC
4/17/2025	607	2504171307A	Bromacil	9.74	µg/L	0.15	0.073	110	D
4/17/2025	METALS	2504171309A	Potassium, Total	5.4	mg/L	2.0	0.4		
4/17/2025	METALS	2504171309A	Aluminum, Total	0.31	mg/L	0.10	0.03		
4/17/2025	METALS	2504171309A	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
4/17/2025	METALS	2504171309A	Zinc, Total	0.018	mg/L	0.020	0.003		J
4/17/2025	METALS	2504171309A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
4/17/2025	METALS	2504171309A	Strontium, Total	5.58	mg/L	0.10	0.002		
4/17/2025	METALS	2504171309A	Sodium, Total	220	mg/L	1.0	0.3		
4/17/2025	METALS	2504171309A	Selenium, Total	0.014	mg/L	0.010	0.007		
4/17/2025	METALS	2504171309A	Molybdenum, Total	0.016	mg/L	0.025	0.003		J
4/17/2025	METALS	2504171309A	Manganese, Total	0.01	mg/L	0.010	0.004		
4/17/2025	METALS	2504171309A	Magnesium, Total	100	mg/L	1.0	0.03		
4/17/2025	METALS	2504171309A	Iron, Total	0.51	mg/L	0.10	0.07		
4/17/2025	METALS	2504171309A	Chromium, Total	0.004	mg/L	0.010	0.002		J
4/17/2025	METALS	2504171309A	Calcium, Total	164	mg/L	1.0	0.3		
4/17/2025	METALS	2504171309A	Nickel, Total	0.033	mg/L	0.040	0.003		J
4/17/2025	METALS	2504171309A	Cadmium, Total	0.0005	mg/L	0.0050	0.0004		J
4/17/2025	METALS	2504171309A	Boron, Total	1.35	mg/L	0.20	0.02		
4/17/2025	METALS	2504171309A	Barium, Total	0.048	mg/L	0.020	0.003		
4/17/2025	ANIONS	2504171310A	Alkalinity, Total as CaCO3	221	mg/L	2.0	1.8		
4/17/2025	ANIONS	2504171310A	Sulfate	782	mg/L	20	4		
4/17/2025	ANIONS	2504171310A	Chloride	185	mg/L	20	5		
4/17/2025	ANIONS	2504171310A	Fluoride, undistilled	1.5	mg/L	0.10	0.010		
4/17/2025	SM2540C	2504171311A	Total Dissolved Solids (TDS)	1670	mg/L	17	15		
4/17/2025	6850	2504171312A	Perchlorate	1.3	ug/L	0.20	0.047		
4/17/2025	353.2	2504171313A	Nitrate+Nitrite as Nitrogen	9.58	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
4/21/2025	METALS	2504210954A	Potassium, Total	3	mg/L	2.0	0.4		
4/21/2025	METALS	2504210954A	Sodium, Total	35	mg/L	1.0	0.3		
4/21/2025	METALS	2504210954A	Barium, Total	0.019	mg/L	0.020	0.003		J
4/21/2025	METALS	2504210954A	Arsenic, Total	0.0007	mg/L	0.0010	0.0004		J
4/21/2025	METALS	2504210954A	Strontium, Total	1.9	mg/L	0.10	0.002		
4/21/2025	METALS	2504210954A	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
4/21/2025	METALS	2504210954A	Boron, Total	0.07	mg/L	0.20	0.02		J
4/21/2025	METALS	2504210954A	Magnesium, Total	52.2	mg/L	1.0	0.03		
4/21/2025	METALS	2504210954A	Vanadium, Total	0.005	mg/L	0.050	0.0007		J
4/21/2025	METALS	2504210954A	Chromium, Total	0.004	mg/L	0.010	0.002		J
4/21/2025	METALS	2504210954A	Calcium, Total	76.5	mg/L	1.0	0.3		
4/21/2025	METALS	2504210954A	Nickel, Total	0.051	mg/L	0.040	0.003		
4/21/2025	ANIONS	2504210955A	Alkalinity, Total as CaCO3	227	mg/L	2.0	1.8		
4/21/2025	ANIONS	2504210955A	Chloride	29.1	mg/L	2.0	0.5		
4/21/2025	ANIONS	2504210955A	Fluoride, undistilled	0.85	mg/L	0.10	0.010		
4/21/2025	ANIONS	2504210955A	Sulfate	196	mg/L	20	4		
4/21/2025	SM2540C	2504210956A	Total Dissolved Solids (TDS)	589	mg/L	10	9		
4/21/2025	6850	2504210957A	Perchlorate	0.42	ug/L	0.20	0.047		
4/21/2025	353.2	2504210958A	Nitrate+Nitrite as Nitrogen	1.37	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
3/25/2025	SM2540C	2503251350C	Total Dissolved Solids (TDS)	11800	mg/L	170	150		
3/25/2025	300.0	2503251352C	Chloride	7260	mg/L	400	90		
3/25/2025	353.2	2503251353C	Nitrate+Nitrite as Nitrogen	7.3	mg/L	1.0	0.03		

Analytical Results for Sampling Events at 600-E-280

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/13/2025	8260	2502131340Y	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.4	ug/L	1.0	0.20		
2/13/2025	8260	2502131340Y	Unknown	31	ug/L	NA	NA		J TIC
2/13/2025	8260	2502131340Y	Trichloroethene (TCE)	0.29	ug/L	1.0	0.20		J
2/13/2025	607	2502131341Y	Bromacil	0.007	µg/L	0.0095	0.0048	93	J Q
2/13/2025	METALS	2502131435Y	Nickel, Total	0.022	mg/L	0.040	0.003		J
2/13/2025	METALS	2502131435Y	Sodium, Total	139	mg/L	1.0	0.3		
2/13/2025	METALS	2502131435Y	Strontium, Total	6.42	mg/L	0.10	0.002		
2/13/2025	METALS	2502131435Y	Aluminum, Total	0.13	mg/L	0.10	0.03		
2/13/2025	METALS	2502131435Y	Vanadium, Total	0.005	mg/L	0.050	0.0007		J
2/13/2025	METALS	2502131435Y	Zinc, Total	0.004	mg/L	0.020	0.003		J
2/13/2025	METALS	2502131435Y	Potassium, Total	3.9	mg/L	2.0	0.4		
2/13/2025	METALS	2502131435Y	Magnesium, Total	32.9	mg/L	1.0	0.03		
2/13/2025	METALS	2502131435Y	Barium, Total	0.062	mg/L	0.020	0.003		
2/13/2025	METALS	2502131435Y	Boron, Total	0.22	mg/L	0.20	0.02		
2/13/2025	METALS	2502131435Y	Calcium, Total	131	mg/L	1.0	0.3		
2/13/2025	METALS	2502131435Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
2/13/2025	METALS	2502131435Y	Manganese, Total	0.02	mg/L	0.010	0.004		

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
2/25/2025	PFAS	2502251055Y	PFPeA	24.1	ng/L	3	0.91		
2/25/2025	PFAS	2502251055Y	PFHxA	23.5	ng/L	1.5	0.37		
2/25/2025	PFAS	2502251055Y	PFOA	11.3	ng/L	1.5	0.46		
2/25/2025	PFAS	2502251055Y	PFHpA	13.5	ng/L	1.5	0.58		
2/25/2025	PFAS	2502251055Y	PFBS	5.5	ng/L	1.5	0.4		
2/25/2025	PFAS	2502251055Y	PFBA	18.6	ng/L	6.1	1.5		
2/25/2025	PFAS	2502251055Y	PFHxS	8	ng/L	1.5	0.39		

Analytical Results for Sampling Events at 700-A-253

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/8/2025	8260	2504080936C	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.43	ug/L	1.0	0.20		J
4/8/2025	6850	2504080939C	Perchlorate	0.28	ug/L	0.20	0.047		

Analytical Results for Sampling Events at 700-B-510

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/24/2025	SM2540C	2503241415C	Total Dissolved Solids (TDS)	386	mg/L	10	9		
3/24/2025	351.2	2503241416C	Nitrogen, Total Kjeldahl (TKN)	0.22	mg/L	0.20	0.20		
3/24/2025	300.0	2503241417C	Chloride	24.2	mg/L	2.0	0.5		
3/24/2025	353.2	2503241418C	Nitrate+Nitrite as Nitrogen	1.39	mg/L	0.050	0.002		

Analytical Results for Sampling Events at 700-D-186

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/7/2025	8260	2504070936C	Trichlorofluoromethane (CFC 11)	0.66	ug/L	1.0	0.240		J
4/7/2025	8260	2504070936C	1,1,2-Trichloro-1,2,2-Trifluoroethane	24	ug/L	1.0	0.20		
4/7/2025	8260	2504070936C	Trichloroethene (TCE)	0.42	ug/L	1.0	0.20		J
4/7/2025	6850	2504070939C	Perchlorate	0.5	ug/L	0.20	0.047		

Analytical Results for Sampling Events at 700-H-350

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/8/2025	6850	2504081429Y	Perchlorate	1	ug/L	0.20	0.047		

Analytical Results for Sampling Events at 700-H-670

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/7/2025	8260	2504071020Y	Styrene	0.67	ug/L	1.0	0.20		J

Analytical Results for Sampling Events at 700-J-200

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/7/2025	8260	2504071423C	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.45	ug/L	1.0	0.20		J
4/7/2025	6850	2504071426C	Perchlorate	0.053	ug/L	0.20	0.047		J

Analytical Results for Sampling Events at BLM-13-300

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/3/2025	8260	2503030945A	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.47	ug/L	1.0	0.20		J
3/3/2025	NDMA_LL	2503030950A	N-Nitrosodimethylamine	2.5	ng/L	0.48	0.35		A K RB FB
3/3/2025	METALS	2503030954A	Barium, Total	0.027	mg/L	0.020	0.003		
3/3/2025	METALS	2503030954A	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
3/3/2025	METALS	2503030954A	Antimony, Total	0.0007	mg/L	0.0010	0.0002		J
3/3/2025	METALS	2503030954A	Zinc, Total	0.04	mg/L	0.020	0.003		
3/3/2025	METALS	2503030954A	Magnesium, Total	72.5	mg/L	1.0	0.03		
3/3/2025	METALS	2503030954A	Molybdenum, Total	0.012	mg/L	0.025	0.003		J
3/3/2025	METALS	2503030954A	Nickel, Total	0.036	mg/L	0.040	0.003		J
3/3/2025	METALS	2503030954A	Boron, Total	0.05	mg/L	0.20	0.02		J
3/3/2025	METALS	2503030954A	Calcium, Total	127	mg/L	1.0	0.3		
3/3/2025	METALS	2503030954A	Potassium, Total	9.5	mg/L	2.0	0.4		
3/3/2025	METALS	2503030954A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
3/3/2025	METALS	2503030954A	Strontium, Total	3.23	mg/L	0.10	0.002		
3/3/2025	METALS	2503030954A	Chromium, Total	0.033	mg/L	0.010	0.002		
3/3/2025	METALS	2503030954A	Sodium, Total	41.5	mg/L	1.0	0.3		
3/3/2025	ANIONS	2503030955A	Alkalinity, Total as CaCO3	218	mg/L	2.0	1.8		
3/3/2025	ANIONS	2503030955A	Chloride	76.1	mg/L	2.0	0.5		
3/3/2025	ANIONS	2503030955A	Fluoride, undistilled	1.03	mg/L	0.10	0.010		
3/3/2025	ANIONS	2503030955A	Sulfate	333	mg/L	20	4		
3/3/2025	SM2540C	2503030956A	Total Dissolved Solids (TDS)	906	mg/L	10	9		
3/3/2025	6850	2503030957A	Perchlorate	0.75	ug/L	0.20	0.047		
3/3/2025	353.2	2503030958A	Nitrate+Nitrite as Nitrogen	5.91	mg/L	0.50	0.02		

Analytical Results for Sampling Events at BLM-14-327

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/25/2025	PFAS	2502250840C	PFHxA	3	ng/L	1.5	0.37		
2/25/2025	PFAS	2502250840C	PFOA	3.4	ng/L	1.5	0.47		
2/25/2025	PFAS	2502250840C	PFHxS	4.7	ng/L	1.5	0.39		
2/25/2025	PFAS	2502250840C	PFBA	175	ng/L	6.1	1.5		
2/25/2025	PFAS	2502250840C	PFOS	14.4	ng/L	1.5	0.38		
4/8/2025	8260	2504081352C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.2	ug/L	1.0	0.20		
4/8/2025	8260	2504081352C	cis-1,2-Dichloroethene	0.34	ug/L	1.0	0.23		J
4/8/2025	8260	2504081352C	1,1,2-Trichloro-1,2,2-Trifluoroethane	370	ug/L	5.0	1.0		D
4/8/2025	8260	2504081352C	Dichlorofluoromethane (CFC 21)	0.29	ug/L	1.0	0.20		J
4/8/2025	8260	2504081352C	Tetrachloroethene (PCE)	2.7	ug/L	1.0	0.21		
4/8/2025	8260	2504081352C	Trichloroethene (TCE)	73	ug/L	1.0	0.20		
4/8/2025	8260	2504081352C	Trichlorofluoromethane (CFC 11)	100	ug/L	1.0	0.24		
4/8/2025	607	2504081354C	N-Nitrodimethylamine	0.21	µg/L	0.0095	0.0048	72	
4/8/2025	607	2504081354C	Bromacil	0.25	µg/L	0.0095	0.0048	109	
4/8/2025	607	2504081354C	N-Nitrosodimethylamine	0.16	µg/L	0.0095	0.0048	45	
4/8/2025	METALS	2504081355C	Nickel, Total	0.034	mg/L	0.040	0.003		J
4/8/2025	METALS	2504081355C	Zinc, Total	0.008	mg/L	0.020	0.003		J
4/8/2025	METALS	2504081355C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
4/8/2025	METALS	2504081355C	Thallium, Total	0.00005	mg/L	0.0010	0.00004		J
4/8/2025	METALS	2504081355C	Strontium, Total	3.31	mg/L	0.10	0.002		
4/8/2025	METALS	2504081355C	Potassium, Total	4.4	mg/L	2.0	0.4		
4/8/2025	METALS	2504081355C	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
4/8/2025	METALS	2504081355C	Magnesium, Total	70.6	mg/L	1.0	0.03		
4/8/2025	METALS	2504081355C	Calcium, Total	137	mg/L	1.0	0.3		
4/8/2025	METALS	2504081355C	Boron, Total	0.12	mg/L	0.20	0.02		J
4/8/2025	METALS	2504081355C	Barium, Total	0.023	mg/L	0.020	0.003		
4/8/2025	METALS	2504081355C	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
4/8/2025	METALS	2504081355C	Sodium, Total	48.7	mg/L	1.0	0.3		
4/8/2025	METALS	2504081356C	Thallium, Total	0.00005	mg/L	0.0010	0.00004		J
4/8/2025	METALS	2504081356C	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
4/8/2025	METALS	2504081356C	Barium, Total	0.023	mg/L	0.020	0.003		
4/8/2025	METALS	2504081356C	Boron, Total	0.11	mg/L	0.20	0.02		J
4/8/2025	METALS	2504081356C	Calcium, Total	137	mg/L	1.0	0.3		
4/8/2025	METALS	2504081356C	Magnesium, Total	70.7	mg/L	1.0	0.03		
4/8/2025	METALS	2504081356C	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
4/8/2025	METALS	2504081356C	Potassium, Total	3.7	mg/L	2.0	0.4		
4/8/2025	METALS	2504081356C	Strontium, Total	3.3	mg/L	0.10	0.002		
4/8/2025	METALS	2504081356C	Vanadium, Total	0.001	mg/L	0.050	0.0007		J

Analytical Results for Sampling Events at BLM-14-327

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/8/2025	METALS	2504081356C	Zinc, Total	0.008	mg/L	0.020	0.003		J
4/8/2025	METALS	2504081356C	Nickel, Total	0.034	mg/L	0.040	0.003		J
4/8/2025	METALS	2504081356C	Sodium, Total	48.8	mg/L	1.0	0.3		

Analytical Results for Sampling Events at BLM-21-400

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/18/2025	8260	2502181420C	Tetrachloroethene (PCE)	2.6	ug/L	1.0	0.21		
2/18/2025	8260	2502181420C	Unknown	86	ug/L	NA	NA		J TIC
2/18/2025	8260	2502181420C	Unknown	50	ug/L	NA	NA		J TIC
2/18/2025	8260	2502181420C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.6	ug/L	1.0	0.20		
2/18/2025	8260	2502181420C	Trichloroethene (TCE)	55	ug/L	1.0	0.20		
2/18/2025	8260	2502181420C	Dichlorofluoromethane (CFC 21)	0.78	ug/L	1.0	0.20		J
2/18/2025	8260	2502181420C	1,1,2-Trichloro-1,2,2-Trifluoroethane	260	ug/L	2.5	0.50		D
2/18/2025	8260	2502181420C	Trichlorofluoromethane (CFC 11)	81	ug/L	1.0	0.24		
2/18/2025	8260	2502181425C	cis-1,2-Dichloroethene	0.26	ug/L	1.0	0.23		J
2/18/2025	8260	2502181425C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	3	ug/L	1.0	0.20		
2/18/2025	8260	2502181425C	Unknown	90	ug/L	NA	NA		J TIC
2/18/2025	8260	2502181425C	Trichloroethene (TCE)	61	ug/L	1.0	0.20		
2/18/2025	8260	2502181425C	Tetrachloroethene (PCE)	3.1	ug/L	1.0	0.21		
2/18/2025	8260	2502181425C	Dichlorofluoromethane (CFC 21)	1	ug/L	1.0	0.20		
2/18/2025	8260	2502181425C	1,1,2-Trichloro-1,2,2-Trifluoroethane	270	ug/L	2.5	0.50		D
2/18/2025	8260	2502181425C	Trichlorofluoromethane (CFC 11)	93	ug/L	1.0	0.24		
2/18/2025	8260	2502181425C	Unknown	46	ug/L	NA	NA		J TIC
2/18/2025	607	2502181430C	N-Nitrosodimethylamine	0.28	µg/L	0.0097	0.0049	41	
2/18/2025	607	2502181430C	N-Nitrodimethylamine	0.35	µg/L	0.0097	0.0049	77	
2/18/2025	607	2502181430C	Bromacil	0.17	µg/L	0.0097	0.0049	115	
2/18/2025	METALS	2502181436C	Boron, Total	0.1	mg/L	0.20	0.02		J
2/18/2025	METALS	2502181436C	Zinc, Total	0.033	mg/L	0.020	0.003		
2/18/2025	METALS	2502181436C	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
2/18/2025	METALS	2502181436C	Strontium, Total	2.97	mg/L	0.10	0.002		
2/18/2025	METALS	2502181436C	Sodium, Total	70.9	mg/L	1.0	0.3		
2/18/2025	METALS	2502181436C	Potassium, Total	5	mg/L	2.0	0.4		
2/18/2025	METALS	2502181436C	Nickel, Total	0.032	mg/L	0.040	0.003		J
2/18/2025	METALS	2502181436C	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
2/18/2025	METALS	2502181436C	Magnesium, Total	56.1	mg/L	1.0	0.03		
2/18/2025	METALS	2502181436C	Calcium, Total	122	mg/L	1.0	0.3		
2/18/2025	METALS	2502181436C	Barium, Total	0.036	mg/L	0.020	0.003		
2/18/2025	METALS	2502181436C	Arsenic, Total	0.0011	mg/L	0.0010	0.0004		
2/18/2025	METALS	2502181436C	Chromium, Total	0.003	mg/L	0.010	0.002		J

Analytical Results for Sampling Events at BLM-23-431

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/11/2025	8260	2502111400A	Trichlorofluoromethane (CFC 11)	41	ug/L	1.0	0.24		
2/11/2025	8260	2502111400A	Dichlorofluoromethane (CFC 21)	8	ug/L	1.0	0.20		
2/11/2025	8260	2502111400A	Trichloroethene (TCE)	68	ug/L	1.0	0.20		
2/11/2025	8260	2502111400A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	15	ug/L	1.0	0.20		
2/11/2025	8260	2502111400A	Sulfur Dioxide	10	ug/L	NA	NA		J TIC FB
2/11/2025	8260	2502111400A	Tetrachloroethene (PCE)	2.4	ug/L	1.0	0.21		
2/11/2025	8260	2502111400A	1,1,2-Trichloro-1,2,2-Trifluoroethane	130	ug/L	1.0	0.20		
2/11/2025	607	2502111402A	N-Nitrosodimethylamine	0.16	µg/L	0.0098	0.0049	37	
2/11/2025	607	2502111402A	N-Nitrodimethylamine	0.21	µg/L	0.0098	0.0049	69	
2/11/2025	607	2502111402A	Bromacil	0.14	µg/L	0.0098	0.0049	83	
2/11/2025	ANIONS	2502111403A	Alkalinity, Total as CaCO3	250	mg/L	2.0	1.8		
2/11/2025	ANIONS	2502111403A	Sulfate	371	mg/L	20	4		
2/11/2025	ANIONS	2502111403A	Chloride	89.2	mg/L	2.0	0.5		
2/11/2025	ANIONS	2502111403A	Fluoride, undistilled	0.91	mg/L	0.10	0.010		
2/11/2025	SM2540C	2502111404A	Total Dissolved Solids (TDS)	1000	mg/L	10	9		
2/11/2025	6850	2502111405A	Perchlorate	0.46	ug/L	0.20	0.047		
2/11/2025	353.2	2502111406A	Nitrate+Nitrite as Nitrogen	1.46	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BLM-3-182

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/25/2025	PFAS	2502251010C	PFHpA	2.4	ng/L	1.5	0.58		
2/25/2025	PFAS	2502251010C	PFDA	1.9	ng/L	1.5	0.47		
2/25/2025	PFAS	2502251010C	PFUnA	5.9	ng/L	1.5	0.33		
2/25/2025	PFAS	2502251010C	PFHxA	3.1	ng/L	1.5	0.36		
2/25/2025	PFAS	2502251010C	PFPeA	3.5	ng/L	3	0.9		
2/25/2025	PFAS	2502251010C	PFOA	2.9	ng/L	1.5	0.46		
2/25/2025	PFAS	2502251010C	PFNA	9.1	ng/L	1.5	0.49		

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
2/6/2025	8260	2502061149B	Unknown	36	ug/L	NA	NA		J TIC
2/6/2025	NDMA_LL	2502061151B	N-Nitrosodimethylamine	2.7	ng/L	0.47	0.34		K RB A TB FB
2/6/2025	METALS	2502061359B	Calcium, Total	76.1	mg/L	1.0	0.3		SP
2/6/2025	METALS	2502061359B	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
2/6/2025	METALS	2502061359B	Strontium, Total	2.02	mg/L	0.10	0.002		
2/6/2025	METALS	2502061359B	Sodium, Total	39.3	mg/L	1.0	0.3		
2/6/2025	METALS	2502061359B	Potassium, Total	2.9	mg/L	2.0	0.4		
2/6/2025	METALS	2502061359B	Nickel, Total	0.033	mg/L	0.040	0.003		J
2/6/2025	METALS	2502061359B	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
2/6/2025	METALS	2502061359B	Manganese, Total	0.072	mg/L	0.010	0.004		
2/6/2025	METALS	2502061359B	Copper, Total	0.035	mg/L	0.020	0.004		
2/6/2025	METALS	2502061359B	Boron, Total	0.09	mg/L	0.20	0.02		J
2/6/2025	METALS	2502061359B	Barium, Total	0.043	mg/L	0.020	0.003		
2/6/2025	METALS	2502061359B	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
2/6/2025	METALS	2502061359B	Antimony, Total	0.0008	mg/L	0.0010	0.0002		J
2/6/2025	METALS	2502061359B	Zinc, Total	0.041	mg/L	0.020	0.003		
2/6/2025	METALS	2502061359B	Magnesium, Total	60.9	mg/L	1.0	0.03		SP

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
2/6/2025	8260	2502061209B	Unknown	35	ug/L	NA	NA		J TIC
2/6/2025	NDMA_LL	2502061211B	N-Nitrosodimethylamine	1.65	ng/L	0.48	0.35		K RB A FB
2/6/2025	NDMA_LL	2502061410B	N-Nitrosodimethylamine	2.11	ng/L	0.49	0.35		K RB A FB

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
2/6/2025	8260	2502061235B	Unknown	36	ug/L	NA	NA		J TIC
2/6/2025	NDMA_LL	2502061237B	N-Nitrosodimethylamine	1.48	ng/L	0.49	0.35		K RB A FB

Analytical Results for Sampling Events at BLM-39-385

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/2/2025	8260	2504021002Y	Trichlorofluoromethane (CFC 11)	120	ug/L	1.0	0.24		
4/2/2025	8260	2504021002Y	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.5	ug/L	1.0	0.20		
4/2/2025	8260	2504021002Y	Trichloroethene (TCE)	170	ug/L	1.0	0.20		
4/2/2025	8260	2504021002Y	Tetrachloroethene (PCE)	6.5	ug/L	1.0	0.21		
4/2/2025	8260	2504021002Y	Dichlorofluoromethane (CFC 21)	1.5	ug/L	1.0	0.20		
4/2/2025	8260	2504021002Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	170	ug/L	1.0	0.20		
4/2/2025	8260	2504021002Y	Unknown	29	ug/L	NA	NA		J TIC
4/2/2025	8260	2504021003Y	Dichlorofluoromethane (CFC 21)	1.7	ug/L	1.0	0.20		
4/2/2025	8260	2504021003Y	Tetrachloroethene (PCE)	6.2	ug/L	1.0	0.21		
4/2/2025	8260	2504021003Y	Trichloroethene (TCE)	160	ug/L	1.0	0.20		
4/2/2025	8260	2504021003Y	Trichlorofluoromethane (CFC 11)	110	ug/L	1.0	0.24		
4/2/2025	8260	2504021003Y	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.4	ug/L	1.0	0.20		
4/2/2025	8260	2504021003Y	Unknown	28	ug/L	NA	NA		J TIC
4/2/2025	8260	2504021003Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	150	ug/L	1.0	0.20		
4/2/2025	607	2504021005Y	Bromacil	0.16	µg/L	0.0095	0.0048	98	
4/2/2025	607	2504021005Y	N-Nitrodimethylamine	1.43	µg/L	0.0095	0.0048	75	
4/2/2025	607	2504021005Y	N-Nitrosodimethylamine	2.17	µg/L	0.0095	0.0048	47	
4/2/2025	METALS	2504021035Y	Molybdenum, Total	0.013	mg/L	0.025	0.003		J
4/2/2025	METALS	2504021035Y	Zinc, Total	0.016	mg/L	0.020	0.003		J
4/2/2025	METALS	2504021035Y	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
4/2/2025	METALS	2504021035Y	Thallium, Total	0.00007	mg/L	0.0010	0.00004		J
4/2/2025	METALS	2504021035Y	Strontium, Total	1.55	mg/L	0.10	0.002		
4/2/2025	METALS	2504021035Y	Sodium, Total	44.3	mg/L	1.0	0.3		
4/2/2025	METALS	2504021035Y	Nickel, Total	0.065	mg/L	0.040	0.003		
4/2/2025	METALS	2504021035Y	Manganese, Total	0.128	mg/L	0.010	0.004		
4/2/2025	METALS	2504021035Y	Magnesium, Total	31.1	mg/L	1.0	0.03		
4/2/2025	METALS	2504021035Y	Calcium, Total	65.9	mg/L	1.0	0.3		
4/2/2025	METALS	2504021035Y	Boron, Total	0.11	mg/L	0.20	0.02		J
4/2/2025	METALS	2504021035Y	Barium, Total	0.036	mg/L	0.020	0.003		
4/2/2025	METALS	2504021035Y	Arsenic, Total	0.0013	mg/L	0.0010	0.0004		
4/2/2025	METALS	2504021035Y	Potassium, Total	7.3	mg/L	2.0	0.4		

Analytical Results for Sampling Events at BLM-39-560

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/1/2025	8260	2504011006Y	Trichloroethene (TCE)	11	ug/L	1.0	0.20		
4/1/2025	8260	2504011006Y	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	6.9	ug/L	1.0	0.20		
4/1/2025	8260	2504011006Y	Unknown	30	ug/L	NA	NA		J TIC
4/1/2025	8260	2504011006Y	Trichlorofluoromethane (CFC 11)	2.8	ug/L	1.0	0.24		
4/1/2025	8260	2504011006Y	Vinyl Chloride	0.22	ug/L	1.0	0.20		J
4/1/2025	8260	2504011006Y	Tetrachloroethene (PCE)	0.32	ug/L	1.0	0.21		J
4/1/2025	8260	2504011006Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	8.9	ug/L	1.0	0.20		
4/1/2025	8260	2504011006Y	Dichlorofluoromethane (CFC 21)	5.9	ug/L	1.0	0.20		
4/1/2025	607	2504011008Y	N-Nitrosodimethylamine	0.005	µg/L	0.0095	0.0048	47	J
4/1/2025	METALS	2504011035Y	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
4/1/2025	METALS	2504011035Y	Sodium, Total	42.5	mg/L	1.0	0.3		
4/1/2025	METALS	2504011035Y	Nickel, Total	0.036	mg/L	0.040	0.003		J
4/1/2025	METALS	2504011035Y	Magnesium, Total	67.1	mg/L	1.0	0.03		
4/1/2025	METALS	2504011035Y	Zinc, Total	0.006	mg/L	0.020	0.003		J
4/1/2025	METALS	2504011035Y	Boron, Total	0.1	mg/L	0.20	0.02		J
4/1/2025	METALS	2504011035Y	Strontium, Total	2.83	mg/L	0.10	0.002		
4/1/2025	METALS	2504011035Y	Barium, Total	0.027	mg/L	0.020	0.003		
4/1/2025	METALS	2504011035Y	Calcium, Total	126	mg/L	1.0	0.3		
4/1/2025	METALS	2504011035Y	Potassium, Total	3	mg/L	2.0	0.4		
4/1/2025	METALS	2504011035Y	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
4/1/2025	METALS	2504011035Y	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
4/1/2025	ANIONS	2504011038Y	Fluoride, undistilled	0.67	mg/L	0.10	0.010		
4/1/2025	ANIONS	2504011038Y	Chloride	7.2	mg/L	2.0	0.5		
4/1/2025	ANIONS	2504011038Y	Alkalinity, Total as CaCO3	277	mg/L	2.0	1.8		
4/1/2025	ANIONS	2504011038Y	Sulfate	106	mg/L	20	4		
4/1/2025	SM2540C	2504011040Y	Total Dissolved Solids (TDS)	461	mg/L	10	9		

Analytical Results for Sampling Events at BLM-40-517

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/3/2025	METALS	2504030926A	Chromium, Total	0.004	mg/L	0.010	0.002		J
4/3/2025	METALS	2504030926A	Antimony, Total	0.001	mg/L	0.0010	0.0002		J
4/3/2025	METALS	2504030926A	Arsenic, Total	0.0004	mg/L	0.0010	0.0004		J
4/3/2025	METALS	2504030926A	Barium, Total	0.034	mg/L	0.020	0.003		
4/3/2025	METALS	2504030926A	Boron, Total	0.07	mg/L	0.20	0.02		J
4/3/2025	METALS	2504030926A	Calcium, Total	59.7	mg/L	1.0	0.3		
4/3/2025	METALS	2504030926A	Magnesium, Total	41.7	mg/L	1.0	0.03		
4/3/2025	METALS	2504030926A	Molybdenum, Total	0.028	mg/L	0.025	0.003		
4/3/2025	METALS	2504030926A	Nickel, Total	0.024	mg/L	0.040	0.003		J
4/3/2025	METALS	2504030926A	Potassium, Total	4.2	mg/L	2.0	0.4		
4/3/2025	METALS	2504030926A	Sodium, Total	45	mg/L	1.0	0.3		
4/3/2025	METALS	2504030926A	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
4/3/2025	METALS	2504030926A	Strontium, Total	2.31	mg/L	0.10	0.002		
4/3/2025	ANIONS	2504030927A	Alkalinity, Total as CaCO3	124	mg/L	2.0	1.8		
4/3/2025	ANIONS	2504030927A	Chloride	44.9	mg/L	2.0	0.5		
4/3/2025	ANIONS	2504030927A	Fluoride, undistilled	1.09	mg/L	0.10	0.010		
4/3/2025	ANIONS	2504030927A	Sulfate	220	mg/L	20	4		
4/3/2025	SM2540C	2504030928A	Total Dissolved Solids (TDS)	530	mg/L	10	9		
4/3/2025	6850	2504030929A	Perchlorate	0.051	ug/L	0.20	0.047		J
4/3/2025	353.2	2504030930A	Nitrate+Nitrite as Nitrogen	0.179	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BLM-40-595

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/9/2025	ANIONS	2504091001C	Alkalinity, Total as CaCO3	125	mg/L	2.0	1.8		
4/9/2025	ANIONS	2504091001C	Fluoride, undistilled	0.2	mg/L	0.10	0.010		
4/9/2025	ANIONS	2504091001C	Sulfate	158	mg/L	20	4		
4/9/2025	ANIONS	2504091001C	Chloride	9.9	mg/L	2.0	0.5		
4/9/2025	SM2540C	2504091002C	Total Dissolved Solids (TDS)	397	mg/L	10	9		
4/9/2025	6850	2504091003C	Perchlorate	0.2	ug/L	0.20	0.047		
4/9/2025	353.2	2504091004C	Nitrate+Nitrite as Nitrogen	0.328	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BLM-40-688

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/11/2025	8260_LL	2504110855C	1,2-Dichloroethane	0.34	ug/L	0.50	0.20		J
4/11/2025	8260_LL	2504110855C	Unknown	11	ug/L	NA	NA		J TIC
4/11/2025	NDMA_LL	2504110857C	N-Nitrosodimethylamine	0.4	ng/L	0.48	0.35		J
4/11/2025	ANIONS	2504110859C	Chloride	15.3	mg/L	2.0	0.5		
4/11/2025	ANIONS	2504110859C	Fluoride, undistilled	0.36	mg/L	0.10	0.010		
4/11/2025	ANIONS	2504110859C	Alkalinity, Total as CaCO3	132	mg/L	2.0	1.8		
4/11/2025	ANIONS	2504110859C	Sulfate	219	mg/L	20	4		
4/11/2025	SM2540C	2504110900C	Total Dissolved Solids (TDS)	518	mg/L	10	9		
4/11/2025	6850	2504110901C	Perchlorate	0.092	ug/L	0.20	0.047		J
4/11/2025	353.2	2504110902C	Nitrate+Nitrite as Nitrogen	0.062	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BLM-41-420

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/16/2025	NDMA_LL	2504160952C	N-Nitrosodimethylamine	0.58	ng/L	0.48	0.35		FB
4/16/2025	NDMA_LL	2504160953C	N-Nitrosodimethylamine	0.43	ng/L	0.48	0.35		J FB
4/16/2025	ANIONS	2504160955C	Alkalinity, Total as CaCO3	216	mg/L	2.0	1.8		
4/16/2025	ANIONS	2504160955C	Sulfate	317	mg/L	20	4		
4/16/2025	ANIONS	2504160955C	Fluoride, undistilled	0.71	mg/L	0.10	0.010		
4/16/2025	ANIONS	2504160955C	Chloride	51.4	mg/L	2.0	0.5		
4/16/2025	SM2540C	2504160956C	Total Dissolved Solids (TDS)	776	mg/L	10	9		
4/16/2025	6850	2504160957C	Perchlorate	0.23	ug/L	0.20	0.047		
4/16/2025	353.2	2504160958C	Nitrate+Nitrite as Nitrogen	0.729	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BLM-41-670

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/16/2025	NDMA_LL	2504161412C	N-Nitrosodimethylamine	0.68	ng/L	0.48	0.35		FB
4/16/2025	NDMA_LL	2504161413C	N-Nitrosodimethylamine	0.67	ng/L	0.47	0.34		FB
4/16/2025	ANIONS	2504161415C	Chloride	45.4	mg/L	2.0	0.5		
4/16/2025	ANIONS	2504161415C	Fluoride, undistilled	0.61	mg/L	0.10	0.010		
4/16/2025	ANIONS	2504161415C	Alkalinity, Total as CaCO3	256	mg/L	2.0	1.8		
4/16/2025	ANIONS	2504161415C	Sulfate	263	mg/L	20	4		
4/16/2025	SM2540C	2504161416C	Total Dissolved Solids (TDS)	714	mg/L	10	9		

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
3/6/2025	8260_LL	2503061051A	Toluene	0.2	ug/L	0.50	0.20		J FB

Analytical Results for Sampling Events at BLM-42-709

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/12/2025	8260_LL	2503121410A	Unknown	38	ug/L	NA	NA		J TIC
3/12/2025	NDMA_LL	2503121412A	N-Nitrosodimethylamine	0.48	ng/L	0.48	0.35		A J K RB TB

Analytical Results for Sampling Events at BLM-5-527

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/20/2025	8260	2503201425C	Trichlorofluoromethane (CFC 11)	16	ug/L	1.0	0.24		QD
3/20/2025	8260	2503201425C	1,1,2-Trichloro-1,2,2-Trifluoroethane	8.1	ug/L	1.0	0.20		QD
3/20/2025	8260	2503201425C	Trichloroethene (TCE)	22	ug/L	1.0	0.20		QD
3/20/2025	8260	2503201425C	Unknown	35	ug/L	NA	NA		J TIC
3/20/2025	8260	2503201425C	Tetrachloroethene (PCE)	0.56	ug/L	1.0	0.21		J
3/20/2025	8260	2503201426C	Unknown	9.8	ug/L	NA	NA		J TIC
3/20/2025	607	2503201428C	N-Nitrosodimethylamine	0.15	µg/L	0.0097	0.0049	49	
3/20/2025	607	2503201428C	N-Nitrodimethylamine	0.1	µg/L	0.0097	0.0049	78	
3/20/2025	607	2503201429C	N-Nitrosodimethylamine	0.14	µg/L	0.0094	0.0047	49	
3/20/2025	607	2503201429C	N-Nitrodimethylamine	0.1	µg/L	0.0094	0.0047	78	
3/20/2025	ANIONS	2503201430C	Sulfate	312	mg/L	20	4		
3/20/2025	ANIONS	2503201430C	Chloride	41.6	mg/L	2.0	0.5		
3/20/2025	ANIONS	2503201430C	Fluoride, undistilled	0.79	mg/L	0.10	0.010		
3/20/2025	ANIONS	2503201430C	Alkalinity, Total as CaCO3	206	mg/L	2.0	1.8		
3/20/2025	SM2540C	2503201431C	Total Dissolved Solids (TDS)	773	mg/L	10	9		
3/20/2025	6850	2503201432C	Perchlorate	0.37	ug/L	0.20	0.047		
3/20/2025	353.2	2503201433C	Nitrate+Nitrite as Nitrogen	1.39	mg/L	0.050	0.002		

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
2/24/2025	PFAS	2502241030C	PFPeA	4.7	ng/L	3.1	0.92		
2/24/2025	PFAS	2502241030C	PFHxA	5.2	ng/L	1.5	0.37		
2/24/2025	PFAS	2502241030C	PFHpA	1.7	ng/L	1.5	0.59		
4/2/2025	8260	2504021425A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.25	ug/L	1.0	0.20		J
4/2/2025	8260	2504021425A	Unknown	22	ug/L	NA	NA		J TIC
4/2/2025	8260	2504021425A	Trichloroethene (TCE)	2.4	ug/L	1.0	0.20		
4/2/2025	8260	2504021425A	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.6	ug/L	1.0	0.20		
4/2/2025	8260	2504021426A	Trichloroethene (TCE)	2.5	ug/L	1.0	0.20		
4/2/2025	8260	2504021426A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.23	ug/L	1.0	0.20		J
4/2/2025	8260	2504021426A	Unknown	22	ug/L	NA	NA		J TIC
4/2/2025	8260	2504021426A	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.8	ug/L	1.0	0.20		
4/2/2025	NDMA_LL	2504021428A	N-Nitrosodimethylamine	1.24	ng/L	0.47	0.34		

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
3/18/2025	8260_LL	2503180924C	Unknown	39	ug/L	NA	NA		J TIC
3/18/2025	NDMA_LL	2503180927C	N-Nitrosodimethylamine	1.14	ng/L	0.49	0.35		A K RB FB
3/18/2025	METALS	2503180929C	Zinc, Total	0.004	mg/L	0.020	0.003		J
3/18/2025	METALS	2503180929C	Strontium, Total	2.13	mg/L	0.10	0.002		
3/18/2025	METALS	2503180929C	Barium, Total	0.018	mg/L	0.020	0.003		J
3/18/2025	METALS	2503180929C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
3/18/2025	METALS	2503180929C	Calcium, Total	105	mg/L	1.0	0.3		
3/18/2025	METALS	2503180929C	Potassium, Total	3.9	mg/L	2.0	0.4		
3/18/2025	METALS	2503180929C	Nickel, Total	0.033	mg/L	0.040	0.003		J
3/18/2025	METALS	2503180929C	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
3/18/2025	METALS	2503180929C	Boron, Total	0.07	mg/L	0.20	0.02		J
3/18/2025	METALS	2503180929C	Magnesium, Total	64.9	mg/L	1.0	0.03		
3/18/2025	METALS	2503180929C	Sodium, Total	40.7	mg/L	1.0	0.3		
3/18/2025	METALS	2503180930C	Strontium, Total	2.11	mg/L	0.10	0.002		
3/18/2025	METALS	2503180930C	Sodium, Total	41.2	mg/L	1.0	0.3		
3/18/2025	METALS	2503180930C	Selenium, Total	0.008	mg/L	0.010	0.007		J
3/18/2025	METALS	2503180930C	Potassium, Total	3.9	mg/L	2.0	0.4		
3/18/2025	METALS	2503180930C	Nickel, Total	0.033	mg/L	0.040	0.003		J
3/18/2025	METALS	2503180930C	Magnesium, Total	64.9	mg/L	1.0	0.03		
3/18/2025	METALS	2503180930C	Calcium, Total	106	mg/L	1.0	0.3		
3/18/2025	METALS	2503180930C	Boron, Total	0.07	mg/L	0.20	0.02		J
3/18/2025	METALS	2503180930C	Barium, Total	0.018	mg/L	0.020	0.003		J
3/18/2025	METALS	2503180930C	Zinc, Total	0.004	mg/L	0.020	0.003		J
3/18/2025	METALS	2503180930C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
3/18/2025	METALS	2503180930C	Molybdenum, Total	0.008	mg/L	0.025	0.003		J

Analytical Results for Sampling Events at BLM-9-419

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/14/2025	8260	2503141310C	Trichloroethene (TCE)	5.2	ug/L	1.0	0.20		
3/14/2025	8260	2503141310C	1,1,2-Trichloro-1,2,2-Trifluoroethane	19	ug/L	1.0	0.20		
3/14/2025	8260	2503141310C	Trichlorofluoromethane (CFC 11)	10	ug/L	1.0	0.24		
3/14/2025	8260	2503141310C	Tetrachloroethene (PCE)	0.39	ug/L	1.0	0.21		J
3/14/2025	8260	2503141310C	Unknown	42	ug/L	NA	NA		J TIC
3/14/2025	607	2503141312C	N-Nitrosodimethylamine	0.008	µg/L	0.0095	0.0048	44	J
3/14/2025	607	2503141312C	N-Nitrodimethylamine	0.008	µg/L	0.0095	0.0048	71	J
3/14/2025	NDMA_LL	2503141313C	N-Nitrodimethylamine	31.9	ng/L	0.96	0.48		QD
3/14/2025	NDMA_LL	2503141313C	N-Nitrosodimethylamine	67.9	ng/L	0.96	0.48		QD
3/14/2025	NDMA_LL	2503141314C	N-Nitrodimethylamine	15.62	ng/L	0.95	0.48		QD
3/14/2025	NDMA_LL	2503141314C	N-Nitrosodimethylamine	34.72	ng/L	0.95	0.48		QD
3/14/2025	ANIONS	2503141316C	Alkalinity, Total as CaCO3	259	mg/L	2.0	1.8		
3/14/2025	ANIONS	2503141316C	Chloride	35.1	mg/L	2.0	0.5		
3/14/2025	ANIONS	2503141316C	Fluoride, undistilled	0.52	mg/L	0.10	0.010		
3/14/2025	ANIONS	2503141316C	Sulfate	260	mg/L	20	4		
3/14/2025	SM2540C	2503141317C	Total Dissolved Solids (TDS)	780	mg/L	10	9		
3/14/2025	6850	2503141318C	Perchlorate	0.27	ug/L	0.20	0.047		
3/14/2025	353.2	2503141319C	Nitrate+Nitrite as Nitrogen	0.721	mg/L	0.050	0.002		

Analytical Results for Sampling Events at BW-1-268

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/24/2025	8260	2503240930C	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.8	ug/L	1.0	0.20		
3/24/2025	8260	2503240930C	Unknown	35	ug/L	NA	NA		J TIC
3/24/2025	8260	2503240930C	Trichlorofluoromethane (CFC 11)	190	ug/L	2.5	0.60		D
3/24/2025	8260	2503240930C	Trichloroethene (TCE)	1.2	ug/L	1.0	0.20		
3/24/2025	8260	2503240930C	Dichlorofluoromethane (CFC 21)	3.8	ug/L	1.0	0.20		
3/24/2025	8260	2503240930C	1,1,2-Trichloro-1,2,2-Trifluoroethane	59	ug/L	1.0	0.20		
3/24/2025	607	2503240932C	Bromacil	1.2	µg/L	0.0094	0.0047	99	
3/24/2025	607	2503240932C	N-Nitrodimethylamine	4.03	µg/L	0.0094	0.0047	70	
3/24/2025	607	2503240932C	N-Nitrosodimethylamine	3.57	µg/L	0.0094	0.0047	44	
3/24/2025	METALS	2503240933C	Potassium, Total	3.1	mg/L	2.0	0.4		
3/24/2025	METALS	2503240933C	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
3/24/2025	METALS	2503240933C	Zinc, Total	0.009	mg/L	0.020	0.003		J
3/24/2025	METALS	2503240933C	Strontium, Total	3.04	mg/L	0.10	0.002		
3/24/2025	METALS	2503240933C	Sodium, Total	90.8	mg/L	1.0	0.3		
3/24/2025	METALS	2503240933C	Chromium, Total	0.004	mg/L	0.010	0.002		J
3/24/2025	METALS	2503240933C	Calcium, Total	101	mg/L	1.0	0.3		
3/24/2025	METALS	2503240933C	Boron, Total	0.22	mg/L	0.20	0.02		
3/24/2025	METALS	2503240933C	Nickel, Total	0.029	mg/L	0.040	0.003		J
3/24/2025	METALS	2503240933C	Arsenic, Total	0.0007	mg/L	0.0010	0.0004		J
3/24/2025	METALS	2503240933C	Barium, Total	0.034	mg/L	0.020	0.003		
3/24/2025	METALS	2503240933C	Magnesium, Total	61.6	mg/L	1.0	0.03		
3/24/2025	METALS	2503240933C	Molybdenum, Total	0.007	mg/L	0.025	0.003		J
3/24/2025	ANIONS	2503240935C	Fluoride, undistilled	0.74	mg/L	0.10	0.010		
3/24/2025	ANIONS	2503240935C	Alkalinity, Total as CaCO3	269	mg/L	2.0	1.8		
3/24/2025	ANIONS	2503240935C	Chloride	73.3	mg/L	2.0	0.5		
3/24/2025	ANIONS	2503240935C	Sulfate	333	mg/L	20	4		
3/24/2025	SM2540C	2503240936C	Total Dissolved Solids (TDS)	904	mg/L	10	9		
3/24/2025	6850	2503240937C	Perchlorate	0.67	ug/L	0.20	0.047		
3/24/2025	353.2	2503240938C	Nitrate+Nitrite as Nitrogen	6.04	mg/L	0.50	0.02		

Analytical Results for Sampling Events at BW-3-180

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/16/2025	8260	2504160925A	1,1,2-Trichloro-1,2,2-Trifluoroethane	3.3	ug/L	1.0	0.20		A QD
4/16/2025	8260	2504160925A	Unknown	16	ug/L	NA	NA		J TIC
4/16/2025	607	2504160927A	Bromacil	0.12	µg/L	0.0094	0.0047	105	
4/16/2025	METALS	2504160928A	Strontium, Total	6.95	mg/L	0.10	0.002		
4/16/2025	METALS	2504160928A	Antimony, Total	0.0004	mg/L	0.0010	0.0002		J
4/16/2025	METALS	2504160928A	Zinc, Total	0.012	mg/L	0.020	0.003		J
4/16/2025	METALS	2504160928A	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
4/16/2025	METALS	2504160928A	Boron, Total	0.09	mg/L	0.20	0.02		J
4/16/2025	METALS	2504160928A	Calcium, Total	227	mg/L	1.0	0.3		
4/16/2025	METALS	2504160928A	Chromium, Total	0.716	mg/L	0.010	0.002		
4/16/2025	METALS	2504160928A	Copper, Total	0.005	mg/L	0.020	0.004		J
4/16/2025	METALS	2504160928A	Iron, Total	3.85	mg/L	0.10	0.07		
4/16/2025	METALS	2504160928A	Magnesium, Total	80.6	mg/L	1.0	0.03		
4/16/2025	METALS	2504160928A	Manganese, Total	0.005	mg/L	0.010	0.004		J
4/16/2025	METALS	2504160928A	Molybdenum, Total	0.045	mg/L	0.025	0.003		
4/16/2025	METALS	2504160928A	Nickel, Total	0.65	mg/L	0.040	0.003		
4/16/2025	METALS	2504160928A	Potassium, Total	3.4	mg/L	2.0	0.4		
4/16/2025	METALS	2504160928A	Sodium, Total	129	mg/L	1.0	0.3		FB
4/16/2025	METALS	2504160928A	Barium, Total	0.023	mg/L	0.020	0.003		
4/16/2025	ANIONS	2504160930A	Chloride	350	mg/L	20	5		
4/16/2025	ANIONS	2504160930A	Alkalinity, Total as CaCO3	60.7	mg/L	2.0	1.8		
4/16/2025	ANIONS	2504160930A	Sulfate	680	mg/L	20	4		
4/16/2025	ANIONS	2504160930A	Fluoride, undistilled	0.24	mg/L	0.10	0.010		
4/16/2025	SM2540C	2504160931A	Total Dissolved Solids (TDS)	1540	mg/L	17	15		
4/16/2025	6850	2504160932A	Perchlorate	1.1	ug/L	0.20	0.047		
4/16/2025	353.2	2504160933A	Nitrate+Nitrite as Nitrogen	5.16	mg/L	0.25	0.008		

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
2/20/2025	8260	2502200920A	cis-1,2-Dichloroethene	0.63	ug/L	1.0	0.23		J
2/20/2025	8260	2502200920A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.67	ug/L	1.0	0.20		J
2/20/2025	8260	2502200920A	Trichlorofluoromethane (CFC 11)	58	ug/L	1.0	0.24		
2/20/2025	8260	2502200920A	Trichloroethene (TCE)	69	ug/L	1.0	0.20		
2/20/2025	8260	2502200920A	Dichlorofluoromethane (CFC 21)	0.27	ug/L	1.0	0.20		J
2/20/2025	8260	2502200920A	2-Hexanone	0.26	ug/L	5.0	0.20		J
2/20/2025	8260	2502200920A	1,1,2-Trichloro-1,2,2-Trifluoroethane	170	ug/L	1.0	0.20		
2/20/2025	8260	2502200920A	Tetrachloroethene (PCE)	1.7	ug/L	1.0	0.21		
2/20/2025	607	2502200921A	Bromacil	0.21	µg/L	0.0094	0.0047	115	
2/20/2025	607	2502200921A	N-Nitrodimethylamine	0.05	µg/L	0.0094	0.0047	77	
2/20/2025	607	2502200921A	N-Nitrosodimethylamine	0.02	µg/L	0.0094	0.0047	41	
2/20/2025	METALS	2502200923A	Nickel, Total	0.024	mg/L	0.040	0.003		J
2/20/2025	METALS	2502200923A	Molybdenum, Total	0.012	mg/L	0.025	0.003		J
2/20/2025	METALS	2502200923A	Magnesium, Total	26.4	mg/L	1.0	0.03		
2/20/2025	METALS	2502200923A	Chromium, Total	0.053	mg/L	0.010	0.002		
2/20/2025	METALS	2502200923A	Calcium, Total	139	mg/L	1.0	0.3		
2/20/2025	METALS	2502200923A	Barium, Total	0.056	mg/L	0.020	0.003		
2/20/2025	METALS	2502200923A	Potassium, Total	5.9	mg/L	2.0	0.4		
2/20/2025	METALS	2502200923A	Manganese, Total	0.042	mg/L	0.010	0.004		
2/20/2025	METALS	2502200923A	Boron, Total	0.16	mg/L	0.20	0.02		J
2/20/2025	METALS	2502200923A	Antimony, Total	0.0004	mg/L	0.0010	0.0002		J
2/20/2025	METALS	2502200923A	Arsenic, Total	0.001	mg/L	0.0010	0.0004		J
2/20/2025	METALS	2502200923A	Aluminum, Total	0.21	mg/L	0.10	0.03		
2/20/2025	METALS	2502200923A	Zinc, Total	0.008	mg/L	0.020	0.003		J
2/20/2025	METALS	2502200923A	Selenium, Total	0.007	mg/L	0.010	0.007		J
2/20/2025	METALS	2502200923A	Vanadium, Total	0.001	mg/L	0.050	0.0007		J
2/20/2025	METALS	2502200923A	Iron, Total	7.4	mg/L	0.10	0.07		
2/20/2025	METALS	2502200923A	Strontium, Total	2.06	mg/L	0.10	0.002		
2/20/2025	METALS	2502200923A	Sodium, Total	56.4	mg/L	1.0	0.3		
2/20/2025	ANIONS	2502200924A	Chloride	77.1	mg/L	2.0	0.5		
2/20/2025	ANIONS	2502200924A	Fluoride, undistilled	0.38	mg/L	0.10	0.010		
2/20/2025	ANIONS	2502200924A	Sulfate	356	mg/L	20	4		
2/20/2025	ANIONS	2502200924A	Alkalinity, Total as CaCO3	25.2	mg/L	2.0	1.8		
2/20/2025	SM2540C	2502200925A	Total Dissolved Solids (TDS)	693	mg/L	10	9		
2/20/2025	6850	2502200926A	Perchlorate	0.53	ug/L	0.20	0.047		
2/20/2025	353.2	2502200927A	Nitrate+Nitrite as Nitrogen	1.91	mg/L	0.050	0.002		

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
4/8/2025	8260_LL	2504081220B	Toluene	0.42	ug/L	0.50	0.20		J

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
4/8/2025	8260_LL	2504081235B	Vinyl Chloride	0.4	ug/L	0.50	0.20		J
4/8/2025	8260_LL	2504081235B	Toluene	0.25	ug/L	0.50	0.20		J
4/8/2025	NDMA_LL	2504081237B	N-Nitrosodimethylamine	0.84	ng/L	0.47	0.34		
4/8/2025	NDMA_LL	2504081237B	N-Nitrodimethylamine	0.82	ng/L	0.47	0.33		

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
4/8/2025	8260_LL	2504081250B	Vinyl Chloride	0.35	ug/L	0.50	0.20		J
4/8/2025	NDMA_LL	2504081252B	N-Nitrosodimethylamine	1.04	ng/L	0.5	0.37		
4/8/2025	NDMA_LL	2504081252B	N-Nitrodimethylamine	0.62	ng/L	0.5	0.35		

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
4/9/2025	8260_LL	2504091130B	Toluene	0.43	ug/L	0.50	0.20		J
4/9/2025	NDMA_LL	2504091132B	N-Nitrosodimethylamine	1.43	ng/L	0.48	0.35		

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
4/9/2025	NDMA_LL	2504091148B	N-Nitrosodimethylamine	0.95	ng/L	0.48	0.35		

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
4/9/2025	8260_LL	2504091205B	Toluene	0.9	ug/L	0.50	0.20		
4/9/2025	NDMA_LL	2504091207B	N-Nitrosodimethylamine	2.1	ng/L	0.49	0.35		

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
4/14/2025	METALS	2504141014C	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
4/14/2025	METALS	2504141014C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
4/14/2025	METALS	2504141014C	Sodium, Total	47.3	mg/L	1.0	0.3		
4/14/2025	METALS	2504141014C	Zinc, Total	0.005	mg/L	0.020	0.003		J
4/14/2025	METALS	2504141014C	Strontium, Total	2.14	mg/L	0.10	0.002		
4/14/2025	METALS	2504141014C	Potassium, Total	3.5	mg/L	2.0	0.4		
4/14/2025	METALS	2504141014C	Nickel, Total	0.041	mg/L	0.040	0.003		
4/14/2025	METALS	2504141014C	Calcium, Total	97.5	mg/L	1.0	0.3		
4/14/2025	METALS	2504141014C	Boron, Total	0.06	mg/L	0.20	0.02		J
4/14/2025	METALS	2504141014C	Arsenic, Total	0.0004	mg/L	0.0010	0.0004		J
4/14/2025	METALS	2504141014C	Barium, Total	0.021	mg/L	0.020	0.003		
4/14/2025	METALS	2504141014C	Magnesium, Total	65.2	mg/L	1.0	0.03		
4/14/2025	METALS	2504141015C	Magnesium, Total	64.6	mg/L	1.0	0.03		
4/14/2025	METALS	2504141015C	Arsenic, Total	0.0004	mg/L	0.0010	0.0004		J
4/14/2025	METALS	2504141015C	Barium, Total	0.021	mg/L	0.020	0.003		
4/14/2025	METALS	2504141015C	Calcium, Total	96.5	mg/L	1.0	0.3		
4/14/2025	METALS	2504141015C	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
4/14/2025	METALS	2504141015C	Potassium, Total	3.5	mg/L	2.0	0.4		
4/14/2025	METALS	2504141015C	Selenium, Total	0.009	mg/L	0.010	0.007		J
4/14/2025	METALS	2504141015C	Sodium, Total	47.2	mg/L	1.0	0.3		
4/14/2025	METALS	2504141015C	Strontium, Total	2.11	mg/L	0.10	0.002		
4/14/2025	METALS	2504141015C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
4/14/2025	METALS	2504141015C	Zinc, Total	0.004	mg/L	0.020	0.003		J
4/14/2025	METALS	2504141015C	Nickel, Total	0.04	mg/L	0.040	0.003		J
4/14/2025	METALS	2504141015C	Boron, Total	0.06	mg/L	0.20	0.02		J
4/14/2025	NDMA_LL	2505220915A	N-Nitrosodimethylamine	3.72	ng/L	0.48	0.35		A

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
4/14/2025	NDMA_LL	2504141441C	N-Nitrosodimethylamine	5.73	ng/L	0.49	0.36		R *
4/14/2025	METALS	2504141443C	Boron, Total	0.07	mg/L	0.20	0.02		J
4/14/2025	METALS	2504141443C	Barium, Total	0.022	mg/L	0.020	0.003		
4/14/2025	METALS	2504141443C	Zinc, Total	0.009	mg/L	0.020	0.003		J
4/14/2025	METALS	2504141443C	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
4/14/2025	METALS	2504141443C	Nickel, Total	0.04	mg/L	0.040	0.003		
4/14/2025	METALS	2504141443C	Calcium, Total	98.1	mg/L	1.0	0.3		
4/14/2025	METALS	2504141443C	Strontium, Total	2.51	mg/L	0.10	0.002		
4/14/2025	METALS	2504141443C	Potassium, Total	3.3	mg/L	2.0	0.4		
4/14/2025	METALS	2504141443C	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
4/14/2025	METALS	2504141443C	Magnesium, Total	74.4	mg/L	1.0	0.03		
4/14/2025	METALS	2504141443C	Sodium, Total	41.9	mg/L	1.0	0.3		
4/14/2025	METALS	2504141443C	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
4/14/2025	SM2540C	2504141444C	Total Dissolved Solids (TDS)	816	mg/L	10	9		
4/14/2025	ANIONS	2504141445C	Sulfate	360	mg/L	20	4		
4/14/2025	ANIONS	2504141445C	Alkalinity, Total as CaCO3	234	mg/L	2.0	1.8		
4/14/2025	ANIONS	2504141445C	Chloride	41.6	mg/L	2.0	0.5		
4/14/2025	ANIONS	2504141445C	Fluoride, undistilled	0.83	mg/L	0.10	0.010		
4/14/2025	6850	2504141446C	Perchlorate	0.3	ug/L	0.20	0.047		
4/14/2025	353.2	2504141447C	Nitrate+Nitrite as Nitrogen	0.714	mg/L	0.050	0.002		

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
4/10/2025	8260_LL	2504100923C	Unknown	13	ug/L	NA	NA		J TIC
4/10/2025	NDMA_LL	2504100925C	N-Nitrosodimethylamine	0.35	ng/L	0.47	0.34		J A

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
4/10/2025	8260_LL	2504101420C	Unknown	32	ug/L	NA	NA		J TIC

Analytical Results for Sampling Events at NASA 10

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/26/2025	SM2540C	2503261420C	Total Dissolved Solids (TDS)	528	mg/L	10	9		
3/26/2025	300.0	2503261421C	Chloride	28.7	mg/L	2.0	0.5		
3/26/2025	351.2	2503261422C	Nitrogen, Total Kjeldahl (TKN)	0.32	mg/L	0.20	0.20		A
3/26/2025	353.2	2503261423C	Nitrate+Nitrite as Nitrogen	11.6	mg/L	1.0	0.03		

Analytical Results for Sampling Events at NASA 3

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/14/2025	8260_LL	2502141245A	Unknown	46	ug/L	NA	NA		J TIC
3/27/2025	SM2540C	2503270935A	Total Dissolved Solids (TDS)	675	mg/L	10	9		
3/27/2025	300.0	2503270937A	Chloride	31	mg/L	2.0	0.5		
3/27/2025	353.2	2503270938A	Nitrate+Nitrite as Nitrogen	1.46	mg/L	0.050	0.002		

Analytical Results for Sampling Events at NASA 4

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/27/2025	SM2540C	2503271005C	Total Dissolved Solids (TDS)	819	mg/L	10	9		
3/27/2025	351.2	2503271006C	Nitrogen, Total Kjeldahl (TKN)	0.21	mg/L	0.20	0.20		
3/27/2025	300.0	2503271007C	Chloride	127	mg/L	4.0	0.9		
3/27/2025	353.2	2503271008C	Nitrate+Nitrite as Nitrogen	4.46	mg/L	0.50	0.02		

Analytical Results for Sampling Events at NASA 5

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/26/2025	SM2540C	2503261010C	Total Dissolved Solids (TDS)	792	mg/L	10	9		
3/26/2025	300.0	2503261012C	Chloride	123	mg/L	4.0	0.9		
3/26/2025	353.2	2503261013C	Nitrate+Nitrite as Nitrogen	16.2	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
4/14/2025	NDMA_LL	2504141453Y	N-Nitrosodimethylamine	0.81	ng/L	0.48	0.35		EB
4/14/2025	METALS	2504150836Y	Sodium, Total	45.4	mg/L	1.0	0.3		
4/14/2025	METALS	2504150836Y	Strontium, Total	3.15	mg/L	0.10	0.002		
4/14/2025	METALS	2504150836Y	Zinc, Total	0.008	mg/L	0.020	0.003		J
4/14/2025	METALS	2504150836Y	Potassium, Total	3.4	mg/L	2.0	0.4		
4/14/2025	METALS	2504150836Y	Nickel, Total	0.182	mg/L	0.040	0.003		
4/14/2025	METALS	2504150836Y	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
4/14/2025	METALS	2504150836Y	Magnesium, Total	68.5	mg/L	1.0	0.03		
4/14/2025	METALS	2504150836Y	Iron, Total	0.27	mg/L	0.10	0.07		
4/14/2025	METALS	2504150836Y	Calcium, Total	96.9	mg/L	1.0	0.3		
4/14/2025	METALS	2504150836Y	Boron, Total	0.06	mg/L	0.20	0.02		J
4/14/2025	METALS	2504150836Y	Barium, Total	0.023	mg/L	0.020	0.003		
4/14/2025	METALS	2504150836Y	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
4/14/2025	METALS	2504150836Y	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
4/14/2025	ANIONS	2504150837Y	Sulfate	336	mg/L	20	4		
4/14/2025	ANIONS	2504150837Y	Fluoride, undistilled	0.74	mg/L	0.10	0.010		
4/14/2025	ANIONS	2504150837Y	Alkalinity, Total as CaCO3	223	mg/L	2.0	1.8		
4/14/2025	ANIONS	2504150837Y	Chloride	43.7	mg/L	2.0	0.5		
4/14/2025	SM2540C	2504151018Y	Total Dissolved Solids (TDS)	801	mg/L	10	9		
4/14/2025	6850	2504151019Y	Perchlorate	0.33	ug/L	0.20	0.047		
4/14/2025	353.2	2504151020Y	Nitrate+Nitrite as Nitrogen	0.957	mg/L	0.050	0.002		

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
4/14/2025	NDMA_LL	2504141016Y	N-Nitrosodimethylamine	1.14	ng/L	0.49	0.35		
4/14/2025	METALS	2504141055Y	Magnesium, Total	68	mg/L	1.0	0.03		
4/14/2025	METALS	2504141055Y	Calcium, Total	92.6	mg/L	1.0	0.3		
4/14/2025	METALS	2504141055Y	Molybdenum, Total	0.007	mg/L	0.025	0.003		J
4/14/2025	METALS	2504141055Y	Boron, Total	0.06	mg/L	0.20	0.02		J
4/14/2025	METALS	2504141055Y	Nickel, Total	0.121	mg/L	0.040	0.003		
4/14/2025	METALS	2504141055Y	Barium, Total	0.021	mg/L	0.020	0.003		
4/14/2025	METALS	2504141055Y	Zinc, Total	0.012	mg/L	0.020	0.003		J
4/14/2025	METALS	2504141055Y	Potassium, Total	3.5	mg/L	2.0	0.4		
4/14/2025	METALS	2504141055Y	Sodium, Total	47	mg/L	1.0	0.3		
4/14/2025	METALS	2504141055Y	Strontium, Total	3.15	mg/L	0.10	0.002		
4/14/2025	METALS	2504141055Y	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
4/14/2025	METALS	2504141055Y	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
4/14/2025	ANIONS	2504141056Y	Chloride	44.4	mg/L	2.0	0.5		
4/14/2025	ANIONS	2504141056Y	Sulfate	333	mg/L	20	4		
4/14/2025	ANIONS	2504141056Y	Fluoride, undistilled	0.68	mg/L	0.10	0.010		
4/14/2025	ANIONS	2504141056Y	Alkalinity, Total as CaCO3	218	mg/L	2.0	1.8		
4/14/2025	SM2540C	2504141057Y	Total Dissolved Solids (TDS)	807	mg/L	10	9		
4/14/2025	6850	2504141058Y	Perchlorate	0.4	ug/L	0.20	0.047		
4/14/2025	353.2	2504141059Y	Nitrate+Nitrite as Nitrogen	1.24	mg/L	0.050	0.002		

Analytical Results for Sampling Events at PL-10-813

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/10/2025	8260_LL	2504100945Y	Unknown	24	ug/L	NA	NA		J TIC
4/10/2025	NDMA_LL	2504101025Y	N-Nitrosodimethylamine	0.83	ng/L	0.47	0.34		A EB
4/10/2025	METALS	2504101026Y	Boron, Total	0.07	mg/L	0.20	0.02		J
4/10/2025	METALS	2504101026Y	Zinc, Total	0.01	mg/L	0.020	0.003		J
4/10/2025	METALS	2504101026Y	Magnesium, Total	46.9	mg/L	1.0	0.03		
4/10/2025	METALS	2504101026Y	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
4/10/2025	METALS	2504101026Y	Nickel, Total	0.056	mg/L	0.040	0.003		
4/10/2025	METALS	2504101026Y	Strontium, Total	2.96	mg/L	0.10	0.002		
4/10/2025	METALS	2504101026Y	Sodium, Total	76.4	mg/L	1.0	0.3		
4/10/2025	METALS	2504101026Y	Iron, Total	0.08	mg/L	0.10	0.07		J
4/10/2025	METALS	2504101026Y	Vanadium, Total	0.015	mg/L	0.050	0.0007		J
4/10/2025	METALS	2504101026Y	Calcium, Total	75.3	mg/L	1.0	0.3		
4/10/2025	METALS	2504101026Y	Potassium, Total	6	mg/L	2.0	0.4		
4/10/2025	METALS	2504101026Y	Barium, Total	0.053	mg/L	0.020	0.003		
4/10/2025	METALS	2504101026Y	Arsenic, Total	0.0015	mg/L	0.0010	0.0004		
4/10/2025	METALS	2504101026Y	Chromium, Total	0.003	mg/L	0.010	0.002		J
4/10/2025	ANIONS	2504101027Y	Chloride	43.9	mg/L	2.0	0.5		
4/10/2025	ANIONS	2504101027Y	Fluoride, undistilled	0.31	mg/L	0.10	0.010		
4/10/2025	ANIONS	2504101027Y	Sulfate	313	mg/L	20	4		
4/10/2025	ANIONS	2504101027Y	Alkalinity, Total as CaCO3	167	mg/L	2.0	1.8		
4/10/2025	SM2540C	2504101100Y	Total Dissolved Solids (TDS)	734	mg/L	10	9		
4/10/2025	6850	2504101101Y	Perchlorate	0.37	ug/L	0.20	0.047		
4/10/2025	353.2	2504101102Y	Nitrate+Nitrite as Nitrogen	1.11	mg/L	0.050	0.002		

Analytical Results for Sampling Events at PL-10-962

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/10/2025	8260_LL	2504101425Y	Unknown	26	ug/L	NA	NA		J TIC
4/10/2025	NDMA_LL	2504101427Y	N-Nitrosodimethylamine	0.52	ng/L	0.47	0.34		A
4/10/2025	METALS	2504101500Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
4/10/2025	METALS	2504101500Y	Vanadium, Total	0.016	mg/L	0.050	0.0007		J
4/10/2025	METALS	2504101500Y	Strontium, Total	2.31	mg/L	0.10	0.002		EB
4/10/2025	METALS	2504101500Y	Sodium, Total	118	mg/L	1.0	0.3		
4/10/2025	METALS	2504101500Y	Nickel, Total	0.071	mg/L	0.040	0.003		
4/10/2025	METALS	2504101500Y	Magnesium, Total	37.1	mg/L	1.0	0.03		EB
4/10/2025	METALS	2504101500Y	Chromium, Total	0.002	mg/L	0.010	0.002		J
4/10/2025	METALS	2504101500Y	Calcium, Total	51.3	mg/L	1.0	0.3		EB
4/10/2025	METALS	2504101500Y	Boron, Total	0.1	mg/L	0.20	0.02		J
4/10/2025	METALS	2504101500Y	Barium, Total	0.015	mg/L	0.020	0.003		J
4/10/2025	METALS	2504101500Y	Arsenic, Total	0.0024	mg/L	0.0010	0.0004		
4/10/2025	METALS	2504101500Y	Zinc, Total	0.005	mg/L	0.020	0.003		J EB
4/10/2025	METALS	2504101500Y	Potassium, Total	4.8	mg/L	2.0	0.4		
4/10/2025	ANIONS	2504101501Y	Fluoride, undistilled	0.4	mg/L	0.10	0.010		
4/10/2025	ANIONS	2504101501Y	Chloride	43.3	mg/L	2.0	0.5		
4/10/2025	ANIONS	2504101501Y	Sulfate	302	mg/L	20	4		
4/10/2025	ANIONS	2504101501Y	Alkalinity, Total as CaCO3	177	mg/L	2.0	1.8		
4/10/2025	SM2540C	2504101502Y	Total Dissolved Solids (TDS)	720	mg/L	10	9		
4/10/2025	6850	2504101503Y	Perchlorate	0.33	ug/L	0.20	0.047		
4/10/2025	353.2	2504101504Y	Nitrate+Nitrite as Nitrogen	1.08	mg/L	0.050	0.002		

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
3/3/2025	8260_LL	2503031225B	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.24	ug/L	0.50	0.20		J
3/3/2025	8260_LL	2503031225B	Dichlorofluoromethane (CFC 21)	0.3	ug/L	0.50	0.20		J
3/3/2025	8260_LL	2503031225B	Toluene	0.7	ug/L	0.50	0.20		
3/3/2025	8260_LL	2503031225B	Trichloroethene (TCE)	0.3	ug/L	0.50	0.20		J
3/3/2025	8260_LL	2503031225B	Trichlorofluoromethane (CFC 11)	0.42	ug/L	0.50	0.24		J
3/3/2025	8260_LL	2503031225B	Silane, fluorotrimethyl-	6.7	ug/L	NA	NA		J TIC
3/3/2025	NDMA_LL	2503031227B	N-Nitrosodimethylamine	6.14	ng/L	0.47	0.34		A RB FB
3/3/2025	NDMA_LL	2503031227B	N-Nitrodimethylamine	0.49	ng/L	0.47	0.33		

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
3/3/2025	NDMA_LL	2503031317B	N-Nitrosodimethylamine	3.77	ng/L	0.47	0.34		A K RB FB

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
3/4/2025	NDMA_LL	2503041202B	N-Nitrosodimethylamine	4.46	ng/L	0.48	0.35		A K RB FB
3/4/2025	NDMA_LL	2503041202B	N-Nitrodimethylamine	0.43	ng/L	0.48	0.33		J K

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
3/4/2025	NDMA_LL	2503041227B	N-Nitrosodimethylamine	3.14	ng/L	0.47	0.34		A K RB 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
3/4/2025	NDMA_LL	2503041257B	N-Nitrosodimethylamine	3.31	ng/L	0.49	0.35		A K RB QD FB
3/4/2025	NDMA_LL	2503041258B	N-Nitrosodimethylamine	2.46	ng/L	0.49	0.35		A K RB QD FB
3/4/2025	NDMA_LL	2503041258B	N-Nitrodimethylamine	0	ng/L	0.49	0.34		

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
2/13/2025	8260	2502131401A	Unknown	50	ug/L	NA	NA		J TIC
2/13/2025	8260	2502131401A	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.3	ug/L	1.0	0.20		
2/13/2025	8260	2502131401A	Trichloroethene (TCE)	4.6	ug/L	1.0	0.20		
2/13/2025	8260	2502131401A	Trichlorofluoromethane (CFC 11)	5.1	ug/L	1.0	0.24		
2/13/2025	8260	2502131403A	Unknown	47	ug/L	NA	NA		J TIC
2/13/2025	8260	2502131403A	Trichlorofluoromethane (CFC 11)	6	ug/L	1.0	0.24		
2/13/2025	8260	2502131403A	Trichloroethene (TCE)	5.2	ug/L	1.0	0.20		
2/13/2025	8260	2502131403A	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.7	ug/L	1.0	0.20		
2/13/2025	NDMA_LL	2502131404A	N-Nitrosodimethylamine	0.77	ng/L	0.49	0.36		RB A

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
2/13/2025	8260	2502130945A	1,1,2-Trichloro-1,2,2-Trifluoroethane	3.1	ug/L	1.0	0.20		
2/13/2025	8260	2502130945A	Unknown	47	ug/L	NA	NA		J TIC
2/13/2025	8260	2502130945A	Trichloroethene (TCE)	5.5	ug/L	1.0	0.20		
2/13/2025	8260	2502130945A	Trichlorofluoromethane (CFC 11)	6.3	ug/L	1.0	0.24		
2/13/2025	NDMA_LL	2502130947A	N-Nitrosodimethylamine	1.55	ng/L	0.47	0.34		RB A
2/13/2025	NDMA_LL	2502130949A	N-Nitrosodimethylamine	1.54	ng/L	0.48	0.35		RB A

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
4/15/2025	8260_LL	2504151010C	Trichlorofluoromethane (CFC 11)	0.25	ug/L	0.50	0.24		J
4/15/2025	8260_LL	2504151010C	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.75	ug/L	0.50	0.20		
4/15/2025	8260_LL	2504151011C	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68	ug/L	0.50	0.20		
4/15/2025	METALS	2504151016C	Barium, Total	0.021	mg/L	0.020	0.003		
4/15/2025	METALS	2504151016C	Boron, Total	0.07	mg/L	0.20	0.02		J
4/15/2025	METALS	2504151016C	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
4/15/2025	METALS	2504151016C	Strontium, Total	2.44	mg/L	0.10	0.002		
4/15/2025	METALS	2504151016C	Zinc, Total	0.005	mg/L	0.020	0.003		J
4/15/2025	METALS	2504151016C	Sodium, Total	41	mg/L	1.0	0.3		
4/15/2025	METALS	2504151016C	Potassium, Total	3.4	mg/L	2.0	0.4		
4/15/2025	METALS	2504151016C	Molybdenum, Total	0.007	mg/L	0.025	0.003		J
4/15/2025	METALS	2504151016C	Calcium, Total	113	mg/L	1.0	0.3		
4/15/2025	METALS	2504151016C	Magnesium, Total	66.7	mg/L	1.0	0.03		
4/15/2025	METALS	2504151016C	Nickel, Total	0.039	mg/L	0.040	0.003		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
3/13/2025	8260	2503131400A	Dichlorofluoromethane (CFC 21)	0.41	ug/L	1.0	0.20		J
3/13/2025	8260	2503131400A	Trichloroethene (TCE)	54	ug/L	1.0	0.20		
3/13/2025	8260	2503131400A	Trichlorofluoromethane (CFC 11)	40	ug/L	1.0	0.24		
3/13/2025	8260	2503131400A	Tetrachloroethene (PCE)	0.96	ug/L	1.0	0.21		J
3/13/2025	8260	2503131400A	1,1,2-Trichloro-1,2,2-Trifluoroethane	36	ug/L	1.0	0.20		
3/13/2025	8260	2503131400A	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.27	ug/L	1.0	0.20		J
3/13/2025	8260	2503131400A	Unknown	39	ug/L	NA	NA		J TIC
3/13/2025	607	2503131402A	N-Nitrosodimethylamine	0.007	µg/L	0.0095	0.0048	44	J
3/13/2025	607	2503131402A	N-Nitrodimethylamine	0.009	µg/L	0.0095	0.0048	71	J
3/13/2025	NDMA_LL	2503131403A	N-Nitrosodimethylamine	26.41	ng/L	0.95	0.48		
3/13/2025	NDMA_LL	2503131403A	N-Nitrodimethylamine	14.64	ng/L	0.95	0.48		

Analytical Results for Sampling Events at PL-4-464

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/5/2025	NDMA_LL	2503050918A	N-Nitrosodimethylamine	1.25	ng/L	0.48	0.35		A K RB FB
3/5/2025	METALS	2503050920A	Barium, Total	0.019	mg/L	0.020	0.003		J
3/5/2025	METALS	2503050920A	Strontium, Total	2.38	mg/L	0.10	0.002		
3/5/2025	METALS	2503050920A	Sodium, Total	38	mg/L	1.0	0.3		
3/5/2025	METALS	2503050920A	Potassium, Total	3.3	mg/L	2.0	0.4		
3/5/2025	METALS	2503050920A	Nickel, Total	0.033	mg/L	0.040	0.003		J
3/5/2025	METALS	2503050920A	Molybdenum, Total	0.009	mg/L	0.025	0.003		J
3/5/2025	METALS	2503050920A	Magnesium, Total	68.5	mg/L	1.0	0.03		
3/5/2025	METALS	2503050920A	Chromium, Total	0.006	mg/L	0.010	0.002		J
3/5/2025	METALS	2503050920A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
3/5/2025	METALS	2503050920A	Boron, Total	0.06	mg/L	0.20	0.02		J
3/5/2025	METALS	2503050920A	Zinc, Total	0.015	mg/L	0.020	0.003		J
3/5/2025	METALS	2503050920A	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
3/5/2025	METALS	2503050920A	Calcium, Total	109	mg/L	1.0	0.3		

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
2/3/2025	8260_LL	2502031044Y	Unknown	37	ug/L	NA	NA		J TIC
2/3/2025	NDMA_LL	2502031048Y	N-Nitrosodimethylamine	1.63	ng/L	0.49	0.34		K RB TB
2/3/2025	NDMA_LL	2502031346Y	N-Nitrosodimethylamine	6.39	ng/L	0.5	0.35		RB TB
2/3/2025	NDMA_LL	2502031346Y	N-Nitrodimethylamine	4.83	ng/L	0.5	0.36		
4/3/2025	METALS	2504031428Y	Nickel, Total	0.407	mg/L	0.040	0.003		
4/3/2025	METALS	2504031428Y	Zinc, Total	0.012	mg/L	0.020	0.003		J
4/3/2025	METALS	2504031428Y	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
4/3/2025	METALS	2504031428Y	Sodium, Total	40.8	mg/L	1.0	0.3		
4/3/2025	METALS	2504031428Y	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
4/3/2025	METALS	2504031428Y	Strontium, Total	2.93	mg/L	0.10	0.002		
4/3/2025	METALS	2504031428Y	Barium, Total	0.021	mg/L	0.020	0.003		
4/3/2025	METALS	2504031428Y	Boron, Total	0.06	mg/L	0.20	0.02		J
4/3/2025	METALS	2504031428Y	Calcium, Total	98.6	mg/L	1.0	0.3		
4/3/2025	METALS	2504031428Y	Magnesium, Total	70.4	mg/L	1.0	0.03		
4/3/2025	METALS	2504031428Y	Manganese, Total	0.034	mg/L	0.010	0.004		
4/3/2025	METALS	2504031428Y	Molybdenum, Total	0.007	mg/L	0.025	0.003		J
4/3/2025	METALS	2504031428Y	Potassium, Total	3.7	mg/L	2.0	0.4		

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
4/2/2025	8260_LL	2504030835Y	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.23	ug/L	0.50	0.20		J
4/2/2025	NDMA_LL	2504030910Y	N-Nitrosodimethylamine	4.99	ng/L	0.49	0.35		J EB
4/2/2025	METALS	2504030916Y	Vanadium, Total	0.009	mg/L	0.050	0.0007		J
4/2/2025	METALS	2504030916Y	Nickel, Total	0.037	mg/L	0.040	0.003		J
4/2/2025	METALS	2504030916Y	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
4/2/2025	METALS	2504030916Y	Magnesium, Total	61.2	mg/L	1.0	0.03		
4/2/2025	METALS	2504030916Y	Potassium, Total	5	mg/L	2.0	0.4		
4/2/2025	METALS	2504030916Y	Strontium, Total	3.53	mg/L	0.10	0.002		
4/2/2025	METALS	2504030916Y	Zinc, Total	0.02	mg/L	0.020	0.003		
4/2/2025	METALS	2504030916Y	Chromium, Total	0.004	mg/L	0.010	0.002		J
4/2/2025	METALS	2504030916Y	Iron, Total	0.11	mg/L	0.10	0.07		
4/2/2025	METALS	2504030916Y	Sodium, Total	47	mg/L	1.0	0.3		
4/2/2025	METALS	2504030916Y	Calcium, Total	98	mg/L	1.0	0.3		
4/2/2025	METALS	2504030916Y	Boron, Total	0.08	mg/L	0.20	0.02		J
4/2/2025	METALS	2504030916Y	Barium, Total	0.025	mg/L	0.020	0.003		
4/2/2025	METALS	2504030916Y	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J

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
2/6/2025	8260_LL	2502061350Y	Unknown	35	ug/L	NA	NA		J TIC
2/6/2025	NDMA_LL	2502061356Y	N-Nitrosodimethylamine	1.85	ng/L	0.47	0.34		K RB A EB

Analytical Results for Sampling Events at PL-7-630

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/5/2025	8260_LL	2502060900Y	Unknown	33	ug/L	NA	NA		J TIC
2/5/2025	NDMA_LL	2502060933Y	N-Nitrosodimethylamine	1.67	ng/L	0.49	0.35		K RB A TB EB
2/5/2025	METALS	2502061010Y	Potassium, Total	7.8	mg/L	2.0	0.4		
2/5/2025	METALS	2502061010Y	Boron, Total	0.07	mg/L	0.20	0.02		J
2/5/2025	METALS	2502061010Y	Chromium, Total	0.003	mg/L	0.010	0.002		J
2/5/2025	METALS	2502061010Y	Iron, Total	0.3	mg/L	0.10	0.07		
2/5/2025	METALS	2502061010Y	Magnesium, Total	57.2	mg/L	1.0	0.03		
2/5/2025	METALS	2502061010Y	Manganese, Total	0.008	mg/L	0.010	0.004		J
2/5/2025	METALS	2502061010Y	Molybdenum, Total	0.011	mg/L	0.025	0.003		J
2/5/2025	METALS	2502061010Y	Nickel, Total	0.055	mg/L	0.040	0.003		
2/5/2025	METALS	2502061010Y	Selenium, Total	0.009	mg/L	0.010	0.007		J
2/5/2025	METALS	2502061010Y	Sodium, Total	54.5	mg/L	1.0	0.3		
2/5/2025	METALS	2502061010Y	Strontium, Total	3.06	mg/L	0.10	0.002		
2/5/2025	METALS	2502061010Y	Vanadium, Total	0.014	mg/L	0.050	0.0007		J
2/5/2025	METALS	2502061010Y	Zinc, Total	0.037	mg/L	0.020	0.003		
2/5/2025	METALS	2502061010Y	Aluminum, Total	0.63	mg/L	0.10	0.03		
2/5/2025	METALS	2502061010Y	Barium, Total	0.042	mg/L	0.020	0.003		
2/5/2025	METALS	2502061010Y	Calcium, Total	78.1	mg/L	1.0	0.3		
2/5/2025	METALS	2502061010Y	Arsenic, Total	0.0011	mg/L	0.0010	0.0004		

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
3/17/2025	8260_LL	2503171255Y	Unknown	37	ug/L	NA	NA		J TIC
3/17/2025	NDMA_LL	2503171256Y	N-Nitrosodimethylamine	1.17	ng/L	0.49	0.35		A K RB EB
3/17/2025	METALS	2503171340Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
3/17/2025	METALS	2503171340Y	Strontium, Total	2.28	mg/L	0.10	0.002		
3/17/2025	METALS	2503171340Y	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
3/17/2025	METALS	2503171340Y	Calcium, Total	96.2	mg/L	1.0	0.3		
3/17/2025	METALS	2503171340Y	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
3/17/2025	METALS	2503171340Y	Sodium, Total	52.9	mg/L	1.0	0.3		
3/17/2025	METALS	2503171340Y	Potassium, Total	3.5	mg/L	2.0	0.4		
3/17/2025	METALS	2503171340Y	Nickel, Total	0.034	mg/L	0.040	0.003		J
3/17/2025	METALS	2503171340Y	Magnesium, Total	62.9	mg/L	1.0	0.03		
3/17/2025	METALS	2503171340Y	Boron, Total	0.06	mg/L	0.20	0.02		J
3/17/2025	METALS	2503171340Y	Barium, Total	0.023	mg/L	0.020	0.003		
3/17/2025	METALS	2503171340Y	Zinc, Total	0.008	mg/L	0.020	0.003		J

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
3/13/2025	8260_LL	2503131005Y	Unknown	39	ug/L	NA	NA		J TIC
3/13/2025	METALS	2503131310Y	Barium, Total	0.028	mg/L	0.020	0.003		
3/13/2025	METALS	2503131310Y	Sodium, Total	46.9	mg/L	1.0	0.3		
3/13/2025	METALS	2503131310Y	Zinc, Total	0.008	mg/L	0.020	0.003		J
3/13/2025	METALS	2503131310Y	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
3/13/2025	METALS	2503131310Y	Strontium, Total	2.92	mg/L	0.10	0.002		
3/13/2025	METALS	2503131310Y	Potassium, Total	4.1	mg/L	2.0	0.4		
3/13/2025	METALS	2503131310Y	Nickel, Total	0.043	mg/L	0.040	0.003		
3/13/2025	METALS	2503131310Y	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
3/13/2025	METALS	2503131310Y	Magnesium, Total	68.7	mg/L	1.0	0.03		
3/13/2025	METALS	2503131310Y	Boron, Total	0.06	mg/L	0.20	0.02		J
3/13/2025	METALS	2503131310Y	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
3/13/2025	METALS	2503131310Y	Calcium, Total	102	mg/L	1.0	0.3		

Analytical Results for Sampling Events at PL-8-780

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/18/2025	8260_LL	2503181005Y	Unknown	34	ug/L	NA	NA		J TIC
3/18/2025	NDMA_LL	2503181007Y	N-Nitrosodimethylamine	1.18	ng/L	0.49	0.35		A K RB EB
3/18/2025	METALS	2503181030Y	Zinc, Total	0.009	mg/L	0.020	0.003		J
3/18/2025	METALS	2503181030Y	Boron, Total	0.06	mg/L	0.20	0.02		J
3/18/2025	METALS	2503181030Y	Calcium, Total	88.5	mg/L	1.0	0.3		
3/18/2025	METALS	2503181030Y	Magnesium, Total	53.6	mg/L	1.0	0.03		
3/18/2025	METALS	2503181030Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
3/18/2025	METALS	2503181030Y	Nickel, Total	0.039	mg/L	0.040	0.003		J
3/18/2025	METALS	2503181030Y	Potassium, Total	4.3	mg/L	2.0	0.4		
3/18/2025	METALS	2503181030Y	Sodium, Total	50.2	mg/L	1.0	0.3		
3/18/2025	METALS	2503181030Y	Strontium, Total	2.97	mg/L	0.10	0.002		
3/18/2025	METALS	2503181030Y	Vanadium, Total	0.009	mg/L	0.050	0.0007		J
3/18/2025	METALS	2503181030Y	Barium, Total	0.029	mg/L	0.020	0.003		
3/18/2025	METALS	2503181030Y	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
3/18/2025	ANIONS	2503181050Y	Sulfate	301	mg/L	20	4		
3/18/2025	ANIONS	2503181050Y	Fluoride, undistilled	0.48	mg/L	0.10	0.010		
3/18/2025	ANIONS	2503181050Y	Alkalinity, Total as CaCO3	189	mg/L	2.0	1.8		
3/18/2025	ANIONS	2503181050Y	Chloride	43.5	mg/L	2.0	0.5		
3/18/2025	SM2540C	2503181051Y	Total Dissolved Solids (TDS)	733	mg/L	10	9		
3/18/2025	6850	2503181052Y	Perchlorate	0.39	ug/L	0.20	0.047		
3/18/2025	353.2	2503181053Y	Nitrate+Nitrite as Nitrogen	1.1	mg/L	0.050	0.002		

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
3/13/2025	8260_LL	2503170900Y	Unknown	29	ug/L	NA	NA		J TIC
3/13/2025	NDMA_LL	2503170902Y	N-Nitrosodimethylamine	1.3	ng/L	0.49	0.35		A K RB
3/13/2025	METALS	2503170940Y	Magnesium, Total	21.4	mg/L	1.0	0.03		
3/13/2025	METALS	2503170940Y	Arsenic, Total	0.0034	mg/L	0.0010	0.0004		
3/13/2025	METALS	2503170940Y	Strontium, Total	1.26	mg/L	0.10	0.002		
3/13/2025	METALS	2503170940Y	Sodium, Total	114	mg/L	1.0	0.3		
3/13/2025	METALS	2503170940Y	Potassium, Total	4.5	mg/L	2.0	0.4		
3/13/2025	METALS	2503170940Y	Molybdenum, Total	0.021	mg/L	0.025	0.003		J
3/13/2025	METALS	2503170940Y	Zinc, Total	0.008	mg/L	0.020	0.003		J
3/13/2025	METALS	2503170940Y	Vanadium, Total	0.018	mg/L	0.050	0.0007		J
3/13/2025	METALS	2503170940Y	Iron, Total	0.12	mg/L	0.10	0.07		
3/13/2025	METALS	2503170940Y	Chromium, Total	0.007	mg/L	0.010	0.002		J
3/13/2025	METALS	2503170940Y	Calcium, Total	42	mg/L	1.0	0.3		
3/13/2025	METALS	2503170940Y	Boron, Total	0.23	mg/L	0.20	0.02		
3/13/2025	METALS	2503170940Y	Barium, Total	0.011	mg/L	0.020	0.003		J
3/13/2025	METALS	2503170940Y	Nickel, Total	0.066	mg/L	0.080	0.006		J

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
2/24/2025	PFAS	2502241450C	PFUnA	3.3	ng/L	1.6	0.35		
2/24/2025	PFAS	2502241450C	PFHxS	4	ng/L	1.6	0.4		
2/24/2025	PFAS	2502241450C	PFNA	22.7	ng/L	1.6	0.51		
2/24/2025	PFAS	2502241450C	PFBA	15.9	ng/L	6.2	1.5		
2/24/2025	PFAS	2502241450C	PFDA	4.4	ng/L	1.6	0.48		
2/24/2025	PFAS	2502241450C	PFHxA	2.6	ng/L	1.6	0.38		
2/24/2025	PFAS	2502241450C	PFOA	8.7	ng/L	1.6	0.48		QD
2/24/2025	PFAS	2502241451C	PFUnA	2.9	ng/L	1.5	0.33		
2/24/2025	PFAS	2502241451C	PFHxA	2.4	ng/L	1.5	0.36		
2/24/2025	PFAS	2502241451C	PFOA	6.2	ng/L	1.5	0.46		QD
2/24/2025	PFAS	2502241451C	PFDA	3.8	ng/L	1.5	0.47		
2/24/2025	PFAS	2502241451C	PFHxS	4	ng/L	1.5	0.39		
2/24/2025	PFAS	2502241451C	PFBA	15	ng/L	6	1.5		
2/24/2025	PFAS	2502241451C	PFNA	20.2	ng/L	1.5	0.49		

Analytical Results for Sampling Events at ST-2-466

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/11/2025	8260_LL	2502111040A	Unknown	42	ug/L	NA	NA		J TIC
2/11/2025	NDMA_LL	2502111043A	N-Nitrosodimethylamine	11.71	ng/L	0.49	0.36		R
2/11/2025	METALS	2502111045A	Calcium, Total	95.6	mg/L	1.0	0.3		
2/11/2025	METALS	2502111045A	Iron, Total	0.35	mg/L	0.10	0.07		QD
2/11/2025	METALS	2502111045A	Barium, Total	0.021	mg/L	0.020	0.003		
2/11/2025	METALS	2502111045A	Boron, Total	0.06	mg/L	0.20	0.02		J
2/11/2025	METALS	2502111045A	Chromium, Total	0.032	mg/L	0.010	0.002		QD
2/11/2025	METALS	2502111045A	Magnesium, Total	70.4	mg/L	1.0	0.03		
2/11/2025	METALS	2502111045A	Molybdenum, Total	0.007	mg/L	0.025	0.003		J
2/11/2025	METALS	2502111045A	Nickel, Total	0.04	mg/L	0.040	0.003		
2/11/2025	METALS	2502111045A	Potassium, Total	3.1	mg/L	2.0	0.4		
2/11/2025	METALS	2502111045A	Sodium, Total	39.4	mg/L	1.0	0.3		
2/11/2025	METALS	2502111045A	Strontium, Total	2.57	mg/L	0.10	0.002		
2/11/2025	METALS	2502111045A	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
2/11/2025	METALS	2502111045A	Zinc, Total	0.01	mg/L	0.020	0.003		J
2/11/2025	METALS	2502111047A	Chromium, Total	0.019	mg/L	0.010	0.002		QD
2/11/2025	METALS	2502111047A	Barium, Total	0.02	mg/L	0.020	0.003		
2/11/2025	METALS	2502111047A	Calcium, Total	94.9	mg/L	1.0	0.3		
2/11/2025	METALS	2502111047A	Sodium, Total	38.9	mg/L	1.0	0.3		
2/11/2025	METALS	2502111047A	Zinc, Total	0.008	mg/L	0.020	0.003		J
2/11/2025	METALS	2502111047A	Boron, Total	0.06	mg/L	0.20	0.02		J
2/11/2025	METALS	2502111047A	Strontium, Total	2.56	mg/L	0.10	0.002		
2/11/2025	METALS	2502111047A	Potassium, Total	3	mg/L	2.0	0.4		
2/11/2025	METALS	2502111047A	Nickel, Total	0.037	mg/L	0.040	0.003		J
2/11/2025	METALS	2502111047A	Molybdenum, Total	0.007	mg/L	0.025	0.003		J
2/11/2025	METALS	2502111047A	Magnesium, Total	69.9	mg/L	1.0	0.03		
2/11/2025	METALS	2502111047A	Iron, Total	0.23	mg/L	0.10	0.07		QD
2/11/2025	METALS	2502111047A	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
2/11/2025	ANIONS	2502111048A	Alkalinity, Total as CaCO3	241	mg/L	2.0	1.8		
2/11/2025	ANIONS	2502111048A	Chloride	38	mg/L	2.0	0.5		
2/11/2025	ANIONS	2502111048A	Fluoride, undistilled	0.6	mg/L	0.10	0.010		
2/11/2025	ANIONS	2502111048A	Sulfate	324	mg/L	20	4		
2/11/2025	SM2540C	2502111049A	Total Dissolved Solids (TDS)	811	mg/L	10	9		
2/11/2025	6850	2502111050A	Perchlorate	0.25	ug/L	0.20	0.047		
2/11/2025	353.2	2502111051A	Nitrate+Nitrite as Nitrogen	0.74	mg/L	0.050	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
3/5/2025	NDMA_LL	2503051422A	N-Nitrosodimethylamine	1.2	ng/L	0.47	0.34		A K RB TB FB
3/5/2025	NDMA_LL	2503051425A	N-Nitrodimethylamine	4.36	ng/L	0.47	0.33		
3/5/2025	NDMA_LL	2503051425A	N-Nitrosodimethylamine	5.77	ng/L	0.47	0.34		TB FB
3/5/2025	METALS	2503051426A	Magnesium, Total	64.4	mg/L	1.0	0.03		
3/5/2025	METALS	2503051426A	Zinc, Total	0.008	mg/L	0.020	0.003		J
3/5/2025	METALS	2503051426A	Vanadium, Total	0.003	mg/L	0.050	0.0007		J
3/5/2025	METALS	2503051426A	Strontium, Total	2.49	mg/L	0.10	0.002		
3/5/2025	METALS	2503051426A	Sodium, Total	40.2	mg/L	1.0	0.3		
3/5/2025	METALS	2503051426A	Potassium, Total	4	mg/L	2.0	0.4		
3/5/2025	METALS	2503051426A	Molybdenum, Total	0.008	mg/L	0.025	0.003		J
3/5/2025	METALS	2503051426A	Calcium, Total	102	mg/L	1.0	0.3		
3/5/2025	METALS	2503051426A	Boron, Total	0.07	mg/L	0.20	0.02		J
3/5/2025	METALS	2503051426A	Barium, Total	0.025	mg/L	0.020	0.003		
3/5/2025	METALS	2503051426A	Arsenic, Total	0.0008	mg/L	0.0010	0.0004		J
3/5/2025	METALS	2503051426A	Nickel, Total	0.039	mg/L	0.040	0.003		J
3/5/2025	ANIONS	2503051427A	Alkalinity, Total as CaCO3	224	mg/L	2.0	1.8		
3/5/2025	ANIONS	2503051427A	Sulfate	307	mg/L	20	4		
3/5/2025	ANIONS	2503051427A	Chloride	39.1	mg/L	2.0	0.5		
3/5/2025	ANIONS	2503051427A	Fluoride, undistilled	0.55	mg/L	0.10	0.010		
3/5/2025	SM2540C	2503051428A	Total Dissolved Solids (TDS)	763	mg/L	10	9		
3/5/2025	6850	2503051429A	Perchlorate	0.32	ug/L	0.20	0.047		
3/5/2025	353.2	2503051430A	Nitrate+Nitrite as Nitrogen	0.824	mg/L	0.050	0.002		

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
2/12/2025	8260_LL	2502121415A	Unknown	35	ug/L	NA	NA		J TIC

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
2/12/2025	8260_LL	2502121020A	Unknown	37	ug/L	NA	NA		J TIC

Analytical Results for Sampling Events at ST-5-481

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/14/2025	8260_LL	2502141035A	Unknown	47	ug/L	NA	NA		J TIC
2/14/2025	NDMA_LL	2502141041A	N-Nitrosodimethylamine	4.75	ng/L	0.47	0.34		RB A
2/14/2025	NDMA_LL	2502141041A	N-Nitrodimethylamine	4.45	ng/L	0.47	0.33		
2/14/2025	METALS	2502141043A	Nickel, Total	0.034	mg/L	0.040	0.003		J
2/14/2025	METALS	2502141043A	Zinc, Total	0.007	mg/L	0.020	0.003		J
2/14/2025	METALS	2502141043A	Sodium, Total	38.6	mg/L	1.0	0.3		
2/14/2025	METALS	2502141043A	Strontium, Total	2.3	mg/L	0.10	0.002		
2/14/2025	METALS	2502141043A	Potassium, Total	3.4	mg/L	2.0	0.4		
2/14/2025	METALS	2502141043A	Magnesium, Total	67.7	mg/L	1.0	0.03		
2/14/2025	METALS	2502141043A	Calcium, Total	97.2	mg/L	1.0	0.3		
2/14/2025	METALS	2502141043A	Boron, Total	0.06	mg/L	0.20	0.02		J
2/14/2025	METALS	2502141043A	Barium, Total	0.02	mg/L	0.020	0.003		J
2/14/2025	METALS	2502141043A	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
2/14/2025	METALS	2502141043A	Molybdenum, Total	0.006	mg/L	0.025	0.003		J
2/14/2025	METALS	2502141043A	Vanadium, Total	0.004	mg/L	0.050	0.0007		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
2/5/2025	8260_LL	2502050855Y	Unknown	36	ug/L	NA	NA		J TIC
2/5/2025	NDMA_LL	2502050936Y	N-Nitrosodimethylamine	1.21	ng/L	0.49	0.34		K RB EB
2/5/2025	METALS	2502051008Y	Strontium, Total	2.36	mg/L	0.10	0.002		
2/5/2025	METALS	2502051008Y	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
2/5/2025	METALS	2502051008Y	Sodium, Total	40	mg/L	1.0	0.3		
2/5/2025	METALS	2502051008Y	Potassium, Total	3.4	mg/L	2.0	0.4		
2/5/2025	METALS	2502051008Y	Nickel, Total	0.034	mg/L	0.040	0.003		J
2/5/2025	METALS	2502051008Y	Magnesium, Total	66.5	mg/L	1.0	0.03		
2/5/2025	METALS	2502051008Y	Copper, Total	0.005	mg/L	0.020	0.004		J
2/5/2025	METALS	2502051008Y	Calcium, Total	90.4	mg/L	1.0	0.3		
2/5/2025	METALS	2502051008Y	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
2/5/2025	METALS	2502051008Y	Boron, Total	0.06	mg/L	0.20	0.02		J
2/5/2025	METALS	2502051008Y	Barium, Total	0.021	mg/L	0.020	0.003		
2/5/2025	METALS	2502051008Y	Molybdenum, Total	0.007	mg/L	0.025	0.003		J
2/5/2025	METALS	2502051008Y	Zinc, Total	0.007	mg/L	0.020	0.003		J
2/5/2025	ANIONS	2502051010Y	Alkalinity, Total as CaCO3	223	mg/L	2.0	1.8		
2/5/2025	ANIONS	2502051010Y	Chloride	40.6	mg/L	2.0	0.5		
2/5/2025	ANIONS	2502051010Y	Fluoride, undistilled	0.51	mg/L	0.10	0.010		
2/5/2025	ANIONS	2502051010Y	Sulfate	306	mg/L	20	4		
2/5/2025	SM2540C	2502051045Y	Total Dissolved Solids (TDS)	803	mg/L	10	9		
2/5/2025	6850	2502051047Y	Perchlorate	0.34	ug/L	0.20	0.047		
2/5/2025	353.2	2502051048Y	Nitrate+Nitrite as Nitrogen	0.82	mg/L	0.050	0.002		

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
2/4/2025	8260_LL	2502040954Y	Unknown	33	ug/L	NA	NA		J TIC
2/4/2025	NDMA_LL	2502041036Y	N-Nitrosodimethylamine	1.21	ng/L	0.49	0.34		K RB EB
2/4/2025	METALS	2502041307Y	Calcium, Total	62.7	mg/L	1.0	0.3		
2/4/2025	METALS	2502041307Y	Chromium, Total	0.002	mg/L	0.010	0.002		J
2/4/2025	METALS	2502041307Y	Magnesium, Total	47.4	mg/L	1.0	0.03		
2/4/2025	METALS	2502041307Y	Molybdenum, Total	0.018	mg/L	0.025	0.003		J
2/4/2025	METALS	2502041307Y	Nickel, Total	0.034	mg/L	0.040	0.003		J
2/4/2025	METALS	2502041307Y	Sodium, Total	72.5	mg/L	1.0	0.3		
2/4/2025	METALS	2502041307Y	Potassium, Total	5.3	mg/L	2.0	0.4		
2/4/2025	METALS	2502041307Y	Boron, Total	0.34	mg/L	0.20	0.02		
2/4/2025	METALS	2502041307Y	Strontium, Total	2.6	mg/L	0.10	0.002		
2/4/2025	METALS	2502041307Y	Vanadium, Total	0.006	mg/L	0.050	0.0007		J
2/4/2025	METALS	2502041307Y	Zinc, Total	0.102	mg/L	0.020	0.003		
2/4/2025	METALS	2502041307Y	Barium, Total	0.029	mg/L	0.020	0.003		
2/4/2025	METALS	2502041307Y	Arsenic, Total	0.0011	mg/L	0.0010	0.0004		

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
3/10/2025	8260_LL	2503101145B	Toluene	0.47	ug/L	0.50	0.20		J
3/10/2025	NDMA_LL	2503101147B	N-Nitrosodimethylamine	0.91	ng/L	0.51	0.37		A K FB

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
3/10/2025	8260_LL	2503101200B	1,4-Dioxane	22	ug/L	40	13		J
3/10/2025	8260_LL	2503101200B	Toluene	0.39	ug/L	0.50	0.20		J
3/10/2025	8260_LL	2503101201B	Trichloroethene (TCE)	0.25	ug/L	0.50	0.20		J
3/10/2025	8260_LL	2503101201B	Trichlorofluoromethane (CFC 11)	0.25	ug/L	0.50	0.24		J
3/10/2025	NDMA_LL	2503101203B	N-Nitrosodimethylamine	0.79	ng/L	0.48	0.35		A K

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
3/11/2025	8260_LL	2503111146B	Unknown	40	ug/L	NA	NA		J TIC
3/11/2025	NDMA_LL	2503111148B	N-Nitrosodimethylamine	1.48	ng/L	0.48	0.35		A K RB TB FB

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
3/11/2025	8260_LL	2503111155B	Unknown	30	ug/L	NA	NA		J TIC
3/11/2025	NDMA_LL	2503111157B	N-Nitrosodimethylamine	1.02	ng/L	0.48	0.35		A K RB FB

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
3/11/2025	8260_LL	2503111210B	Unknown	33	ug/L	NA	NA		J TIC
3/11/2025	NDMA_LL	2503111212B	N-Nitrosodimethylamine	0.62	ng/L	0.48	0.35		A K RB FB

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
4/7/2025	8260_LL	2504071320B	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.4	ug/L	0.50	0.20		
4/7/2025	8260_LL	2504071320B	Trichloroethene (TCE)	6.2	ug/L	0.50	0.20		
4/7/2025	8260_LL	2504071320B	Trichlorofluoromethane (CFC 11)	4.4	ug/L	0.50	0.24		
4/7/2025	NDMA_LL	2504071322B	N-Nitrosodimethylamine	0.72	ng/L	0.47	0.34		K FB

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
4/7/2025	NDMA_LL	2504071332B	N-Nitrosodimethylamine	0.71	ng/L	0.49	0.35		K FB

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
4/7/2025	NDMA_LL	2504071342B	N-Nitrosodimethylamine	1.07	ng/L	0.49	0.36		

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
3/26/2025	SM2540C	2503261430A	Total Dissolved Solids (TDS)	946	mg/L	10	9		
3/26/2025	351.2	2503261431A	Nitrogen, Total Kjeldahl (TKN)	0.31	mg/L	0.20	0.20		
3/26/2025	300.0	2503261432A	Chloride	40.8	mg/L	2.0	0.5		

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
2/24/2025	PFAS	2502240850C	PFNA	12	ng/L	1.5	0.5		
2/24/2025	PFAS	2502240850C	PFOA	4.1	ng/L	1.5	0.47		
2/24/2025	PFAS	2502240850C	PFUnA	4.3	ng/L	1.5	0.34		
2/24/2025	PFAS	2502240850C	PFDA	2.5	ng/L	1.5	0.48		
3/13/2025	8260_LL	2503130950A	Unknown	37	ug/L	NA	NA		J TIC
3/13/2025	METALS	2503130956A	Zinc, Total	0.007	mg/L	0.020	0.003		J
3/13/2025	METALS	2503130956A	Chromium, Total	0.013	mg/L	0.010	0.002		
3/13/2025	METALS	2503130956A	Strontium, Total	2.22	mg/L	0.10	0.002		
3/13/2025	METALS	2503130956A	Arsenic, Total	0.0005	mg/L	0.0010	0.0004		J
3/13/2025	METALS	2503130956A	Barium, Total	0.022	mg/L	0.020	0.003		
3/13/2025	METALS	2503130956A	Boron, Total	0.06	mg/L	0.20	0.02		J
3/13/2025	METALS	2503130956A	Calcium, Total	104	mg/L	1.0	0.3		
3/13/2025	METALS	2503130956A	Magnesium, Total	69.1	mg/L	1.0	0.03		
3/13/2025	METALS	2503130956A	Molybdenum, Total	0.006	mg/L	0.025	0.003		J
3/13/2025	METALS	2503130956A	Nickel, Total	0.039	mg/L	0.040	0.003		J
3/13/2025	METALS	2503130956A	Sodium, Total	38.2	mg/L	1.0	0.3		
3/13/2025	METALS	2503130956A	Vanadium, Total	0.002	mg/L	0.050	0.0007		J
3/13/2025	METALS	2503130956A	Potassium, Total	3.5	mg/L	2.0	0.4		

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
3/17/2025	8260_LL	2503170950C	Unknown	31	ug/L	NA	NA		J TIC
3/17/2025	NDMA_LL	2503170953C	N-Nitrosodimethylamine	1.09	ng/L	0.48	0.35		A K RB TB FB
3/17/2025	METALS	2503170955C	Boron, Total	0.15	mg/L	0.20	0.02		J
3/17/2025	METALS	2503170955C	Potassium, Total	3.4	mg/L	2.0	0.4		
3/17/2025	METALS	2503170955C	Sodium, Total	71.1	mg/L	1.0	0.3		
3/17/2025	METALS	2503170955C	Strontium, Total	2.85	mg/L	0.10	0.002		
3/17/2025	METALS	2503170955C	Vanadium, Total	0.011	mg/L	0.050	0.0007		J
3/17/2025	METALS	2503170955C	Zinc, Total	0.005	mg/L	0.020	0.003		J
3/17/2025	METALS	2503170955C	Iron, Total	0.1	mg/L	0.10	0.07		
3/17/2025	METALS	2503170955C	Calcium, Total	61.7	mg/L	1.0	0.3		
3/17/2025	METALS	2503170955C	Barium, Total	0.023	mg/L	0.020	0.003		
3/17/2025	METALS	2503170955C	Nickel, Total	0.29	mg/L	0.040	0.003		
3/17/2025	METALS	2503170955C	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
3/17/2025	METALS	2503170955C	Molybdenum, Total	0.014	mg/L	0.025	0.003		J
3/17/2025	METALS	2503170955C	Magnesium, Total	46.2	mg/L	1.0	0.03		
3/17/2025	METALS	2503170955C	Chromium, Total	0.012	mg/L	0.010	0.002		
3/17/2025	ANIONS	2503170956C	Sulfate	285	mg/L	20	4		
3/17/2025	ANIONS	2503170956C	Chloride	41.1	mg/L	2.0	0.5		
3/17/2025	ANIONS	2503170956C	Alkalinity, Total as CaCO3	150	mg/L	2.0	1.8		
3/17/2025	ANIONS	2503170956C	Fluoride, undistilled	0.78	mg/L	0.10	0.010		
3/17/2025	SM2540C	2503170957C	Total Dissolved Solids (TDS)	683	mg/L	10	9		
3/17/2025	6850	2503170958C	Perchlorate	0.31	ug/L	0.20	0.047		
3/17/2025	353.2	2503170959C	Nitrate+Nitrite as Nitrogen	0.821	mg/L	0.050	0.002		

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
3/17/2025	8260_LL	2503171405C	Unknown	32	ug/L	NA	NA		J TIC
3/17/2025	NDMA_LL	2503171408C	N-Nitrosodimethylamine	1.13	ng/L	0.49	0.35		A K RB FB
3/17/2025	METALS	2503171410C	Magnesium, Total	46.6	mg/L	1.0	0.03		
3/17/2025	METALS	2503171410C	Zinc, Total	0.007	mg/L	0.020	0.003		J
3/17/2025	METALS	2503171410C	Vanadium, Total	0.015	mg/L	0.050	0.0007		J
3/17/2025	METALS	2503171410C	Strontium, Total	2.87	mg/L	0.10	0.002		
3/17/2025	METALS	2503171410C	Sodium, Total	70.6	mg/L	1.0	0.3		
3/17/2025	METALS	2503171410C	Potassium, Total	3.4	mg/L	2.0	0.4		
3/17/2025	METALS	2503171410C	Molybdenum, Total	0.014	mg/L	0.025	0.003		J
3/17/2025	METALS	2503171410C	Iron, Total	0.17	mg/L	0.10	0.07		
3/17/2025	METALS	2503171410C	Chromium, Total	0.035	mg/L	0.010	0.002		
3/17/2025	METALS	2503171410C	Calcium, Total	62.2	mg/L	1.0	0.3		
3/17/2025	METALS	2503171410C	Boron, Total	0.15	mg/L	0.20	0.02		J
3/17/2025	METALS	2503171410C	Barium, Total	0.024	mg/L	0.020	0.003		
3/17/2025	METALS	2503171410C	Arsenic, Total	0.001	mg/L	0.0010	0.0004		
3/17/2025	METALS	2503171410C	Nickel, Total	0.057	mg/L	0.040	0.003		
3/17/2025	ANIONS	2503171411C	Alkalinity, Total as CaCO3	150	mg/L	2.0	1.8		
3/17/2025	ANIONS	2503171411C	Chloride	40.3	mg/L	2.0	0.5		
3/17/2025	ANIONS	2503171411C	Fluoride, undistilled	0.79	mg/L	0.10	0.010		
3/17/2025	ANIONS	2503171411C	Sulfate	287	mg/L	20	4		
3/17/2025	SM2540C	2503171412C	Total Dissolved Solids (TDS)	671	mg/L	10	9		
3/17/2025	6850	2503171413C	Perchlorate	0.35	ug/L	0.20	0.047		
3/17/2025	353.2	2503171414C	Nitrate+Nitrite as Nitrogen	0.819	mg/L	0.050	0.002		

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
3/11/2025	8260_LL	2503111030Y	Unknown	36	ug/L	NA	NA		J TIC
3/11/2025	NDMA_LL	2503111032Y	N-Nitrosodimethylamine	2.33	ng/L	0.49	0.35		A RB EB
3/11/2025	METALS	2503111300Y	Potassium, Total	3.5	mg/L	2.0	0.4		
3/11/2025	METALS	2503111300Y	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
3/11/2025	METALS	2503111300Y	Zinc, Total	0.016	mg/L	0.020	0.003		J
3/11/2025	METALS	2503111300Y	Arsenic, Total	0.0006	mg/L	0.0010	0.0004		J
3/11/2025	METALS	2503111300Y	Barium, Total	0.026	mg/L	0.020	0.003		
3/11/2025	METALS	2503111300Y	Boron, Total	0.06	mg/L	0.20	0.02		J
3/11/2025	METALS	2503111300Y	Calcium, Total	102	mg/L	1.0	0.3		
3/11/2025	METALS	2503111300Y	Chromium, Total	0.002	mg/L	0.010	0.002		J
3/11/2025	METALS	2503111300Y	Magnesium, Total	69.3	mg/L	1.0	0.03		
3/11/2025	METALS	2503111300Y	Nickel, Total	0.036	mg/L	0.040	0.003		J
3/11/2025	METALS	2503111300Y	Sodium, Total	43.4	mg/L	1.0	0.3		
3/11/2025	METALS	2503111300Y	Strontium, Total	2.25	mg/L	0.10	0.002		
3/11/2025	METALS	2503111300Y	Molybdenum, Total	0.006	mg/L	0.025	0.003		J
3/11/2025	ANIONS	2503111301Y	Alkalinity, Total as CaCO3	239	mg/L	2.0	1.8		
3/11/2025	ANIONS	2503111301Y	Chloride	39.2	mg/L	2.0	0.5		
3/11/2025	ANIONS	2503111301Y	Fluoride, undistilled	0.65	mg/L	0.10	0.010		
3/11/2025	ANIONS	2503111301Y	Sulfate	336	mg/L	20	4		
3/11/2025	SM2540C	2503111340Y	Total Dissolved Solids (TDS)	772	mg/L	10	9		
3/11/2025	6850	2503111341Y	Perchlorate	0.24	ug/L	0.20	0.047		
3/11/2025	353.2	2503111342Y	Nitrate+Nitrite as Nitrogen	0.512	mg/L	0.050	0.002		

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
3/10/2025	NDMA_LL	2503101141Y	N-Nitrosodimethylamine	1.46	ng/L	0.49	0.36		A EB
3/10/2025	METALS	2503101142Y	Potassium, Total	3.8	mg/L	2.0	0.4		
3/10/2025	METALS	2503101142Y	Zinc, Total	0.019	mg/L	0.020	0.003		J RB
3/10/2025	METALS	2503101142Y	Vanadium, Total	0.004	mg/L	0.050	0.0007		J
3/10/2025	METALS	2503101142Y	Strontium, Total	2.6	mg/L	0.10	0.002		
3/10/2025	METALS	2503101142Y	Selenium, Total	0.009	mg/L	0.010	0.007		J
3/10/2025	METALS	2503101142Y	Nickel, Total	0.027	mg/L	0.040	0.003		J
3/10/2025	METALS	2503101142Y	Molybdenum, Total	0.007	mg/L	0.025	0.003		J
3/10/2025	METALS	2503101142Y	Magnesium, Total	66	mg/L	1.0	0.03		
3/10/2025	METALS	2503101142Y	Calcium, Total	98.1	mg/L	1.0	0.3		
3/10/2025	METALS	2503101142Y	Boron, Total	0.07	mg/L	0.20	0.02		J
3/10/2025	METALS	2503101142Y	Barium, Total	0.022	mg/L	0.020	0.003		
3/10/2025	METALS	2503101142Y	Arsenic, Total	0.0009	mg/L	0.0010	0.0004		J
3/10/2025	METALS	2503101142Y	Sodium, Total	43.1	mg/L	1.0	0.3		

Analytical Results for Sampling Events at WW-3-710

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/10/2025	NDMA_LL	2503101427Y	N-Nitrosodimethylamine	1.24	ng/L	0.49	0.36		A
3/10/2025	METALS	2503101428Y	Calcium, Total	79.8	mg/L	1.0	0.3		
3/10/2025	METALS	2503101428Y	Zinc, Total	0.007	mg/L	0.020	0.003		J RB EB
3/10/2025	METALS	2503101428Y	Arsenic, Total	0.0012	mg/L	0.0010	0.0004		
3/10/2025	METALS	2503101428Y	Barium, Total	0.026	mg/L	0.020	0.003		
3/10/2025	METALS	2503101428Y	Boron, Total	0.08	mg/L	0.20	0.02		J
3/10/2025	METALS	2503101428Y	Magnesium, Total	55	mg/L	1.0	0.03		EB
3/10/2025	METALS	2503101428Y	Nickel, Total	0.028	mg/L	0.040	0.003		J
3/10/2025	METALS	2503101428Y	Potassium, Total	4.3	mg/L	2.0	0.4		
3/10/2025	METALS	2503101428Y	Sodium, Total	55.7	mg/L	1.0	0.3		
3/10/2025	METALS	2503101428Y	Molybdenum, Total	0.01	mg/L	0.025	0.003		J
3/10/2025	METALS	2503101428Y	Vanadium, Total	0.01	mg/L	0.050	0.0007		J
3/10/2025	METALS	2503101428Y	Strontium, Total	2.82	mg/L	0.10	0.002		EB
3/10/2025	ANIONS	2503101429Y	Alkalinity, Total as CaCO3	173	mg/L	2.0	1.8		
3/10/2025	ANIONS	2503101429Y	Chloride	40.4	mg/L	2.0	0.5		
3/10/2025	ANIONS	2503101429Y	Fluoride, undistilled	0.46	mg/L	0.10	0.010		
3/10/2025	ANIONS	2503101429Y	Sulfate	323	mg/L	20	4		
3/10/2025	SM2540C	2503101430Y	Total Dissolved Solids (TDS)	695	mg/L	10	9		
3/10/2025	6850	2503101431Y	Perchlorate	0.3	ug/L	0.20	0.047		
3/10/2025	353.2	2503101432Y	Nitrate+Nitrite as Nitrogen	0.714	mg/L	0.050	0.002		

Analytical Results for Sampling Events at WW-3-978

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
3/11/2025	8260_LL	2503121315Y	Unknown	33	ug/L	NA	NA		J TIC
3/11/2025	NDMA_LL	2503121317Y	N-Nitrosodimethylamine	1.82	ng/L	0.47	0.34		A RB EB
3/11/2025	METALS	2503121345Y	Boron, Total	0.24	mg/L	0.20	0.02		
3/11/2025	METALS	2503121345Y	Arsenic, Total	0.0029	mg/L	0.0010	0.0004		
3/11/2025	METALS	2503121345Y	Magnesium, Total	21.8	mg/L	1.0	0.03		
3/11/2025	METALS	2503121345Y	Antimony, Total	0.0003	mg/L	0.0010	0.0002		J
3/11/2025	METALS	2503121345Y	Barium, Total	0.022	mg/L	0.020	0.003		
3/11/2025	METALS	2503121345Y	Calcium, Total	47.4	mg/L	1.0	0.3		
3/11/2025	METALS	2503121345Y	Manganese, Total	0.088	mg/L	0.010	0.004		
3/11/2025	METALS	2503121345Y	Molybdenum, Total	0.019	mg/L	0.025	0.003		J
3/11/2025	METALS	2503121345Y	Nickel, Total	0.047	mg/L	0.040	0.003		
3/11/2025	METALS	2503121345Y	Potassium, Total	4.3	mg/L	2.0	0.4		
3/11/2025	METALS	2503121345Y	Selenium, Total	0.008	mg/L	0.010	0.007		J
3/11/2025	METALS	2503121345Y	Sodium, Total	149	mg/L	3.0	0.9		
3/11/2025	METALS	2503121345Y	Vanadium, Total	0.009	mg/L	0.050	0.0007		J
3/11/2025	METALS	2503121345Y	Zinc, Total	0.191	mg/L	0.020	0.003		
3/11/2025	METALS	2503121345Y	Strontium, Total	1.2	mg/L	0.10	0.002		
3/11/2025	ANIONS	2503121346Y	Alkalinity, Total as CaCO3	161	mg/L	2.0	1.8		
3/11/2025	ANIONS	2503121346Y	Chloride	36.2	mg/L	2.0	0.5		
3/11/2025	ANIONS	2503121346Y	Fluoride, undistilled	0.51	mg/L	0.10	0.010		
3/11/2025	ANIONS	2503121346Y	Sulfate	317	mg/L	20	4		
3/11/2025	SM2540C	2503121347Y	Total Dissolved Solids (TDS)	677	mg/L	10	9		
3/11/2025	6850	2503121348Y	Perchlorate	0.13	ug/L	0.20	0.047		J
3/11/2025	353.2	2503121349Y	Nitrate+Nitrite as Nitrogen	0.36	mg/L	0.050	0.002		

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
2/10/2025	8260_LL	2502101152B	Toluene	0.75	ug/L	0.50	0.20		
2/10/2025	8260_LL	2502101152B	Unknown	37	ug/L	NA	NA		J TIC
2/10/2025	NDMA_LL	2502101154B	N-Nitrosodimethylamine	4.62	ng/L	0.48	0.35		K RB A TB FB

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
2/10/2025	8260_LL	2502101213B	Unknown	35	ug/L	NA	NA		J TIC
2/10/2025	8260_LL	2502101213B	Toluene	0.55	ug/L	0.50	0.20		
2/10/2025	NDMA_LL	2502101215B	N-Nitrosodimethylamine	4.2	ng/L	0.48	0.35		K RB A FB

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
2/10/2025	8260_LL	2502101234B	Unknown	31	ug/L	NA	NA		J TIC
2/10/2025	8260_LL	2502101234B	Toluene	0.29	ug/L	0.50	0.20		J
2/10/2025	NDMA_LL	2502101236B	N-Nitrosodimethylamine	2.32	ng/L	0.47	0.34		K RB A FB

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
4/10/2025	8260_LL	2504101040B	Toluene	0.51	ug/L	0.50	0.20		
4/10/2025	8260_LL	2504101040B	Unknown	13	ug/L	NA	NA		J TIC
4/10/2025	NDMA_LL	2504101042B	N-Nitrosodimethylamine	1.15	ng/L	0.47	0.34		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
4/10/2025	8260_LL	2504101052B	Toluene	0.71	ug/L	0.50	0.20		
4/10/2025	8260_LL	2504101052B	Unknown	27	ug/L	NA	NA		J TIC
4/10/2025	NDMA_LL	2504101054B	N-Nitrosodimethylamine	1	ng/L	0.47	0.34		A

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
4/11/2025	8260_LL	2504111135B	Unknown	23	ug/L	NA	NA		J TIC
4/11/2025	8260_LL	2504111135B	Toluene	1.6	ug/L	0.50	0.20		
4/11/2025	NDMA_LL	2505231025B	N-Nitrosodimethylamine	2.52	ng/L	0.47	0.34		A

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
4/11/2025	8260_LL	2504111200B	Unknown	24	ug/L	NA	NA		J TIC
4/11/2025	8260_LL	2504111200B	Toluene	1.4	ug/L	0.50	0.20		
4/11/2025	NDMA_LL	2504111202B	N-Nitrosodimethylamine	3	ng/L	0.48	0.35		

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	2/19/2025	
Sample	**Parameter**		**Result**	**Units**
2502190831	Atmospheric Pressure			psia
2502190831	Conductivity		1130	µS/cm
2502190831	DTW			ft
2502190831	Formation Pressure			psia
2502190831	pH		7.75	NA
2502190831	Temperature		22.8	ºC
2502190831	Turbidity		0.5	NTU

Well ID	B650-EFF-1	Event Date	3/14/2025	
Sample	**Parameter**		**Result**	**Units**
2503140545	Atmospheric Pressure			psia
2503140545	Conductivity		1080	µS/cm
2503140545	DTW			ft
2503140545	Formation Pressure			psia
2503140545	pH		7.58	NA
2503140545	Temperature		23.5	ºC
2503140545	Turbidity		0.28	NTU

Well ID	B650-EFF-1	Event Date	4/11/2025	
Sample	**Parameter**		**Result**	**Units**
2504110546	Atmospheric Pressure			psia
2504110546	Conductivity		1064	µS/cm
2504110546	DTW			ft
2504110546	Formation Pressure			psia
2504110546	pH		7.73	NA
2504110546	Temperature		24.9	ºC
2504110546	Turbidity		0.97	NTU

Well ID	B650-INF-1	Event Date	2/19/2025	
Sample	**Parameter**		**Result**	**Units**
2502190930	Atmospheric Pressure			psia
2502190930	Conductivity		1060	µS/cm
2502190930	DTW			ft
2502190930	Formation Pressure			psia
2502190930	pH		7.13	NA
2502190930	Temperature		24.1	ºC
2502190930	Turbidity		0.93	NTU

Well ID	B650-INF-1	Event Date	3/14/2025	
Sample	**Parameter**		**Result**	**Units**
2503140600	Atmospheric Pressure			psia
2503140600	Conductivity		1070	µS/cm
2503140600	DTW			ft
2503140600	Formation Pressure			psia
2503140600	pH		7.14	NA
2503140600	Temperature		24	ºC
2503140600	Turbidity		0.27	NTU

Well ID	B650-INF-1	Event Date	4/11/2025	
Sample	**Parameter**		**Result**	**Units**
2504110559	Atmospheric Pressure			psia
2504110559	Conductivity		1063	µS/cm
2504110559	DTW			ft
2504110559	Formation Pressure			psia
2504110559	pH		7.13	NA
2504110559	Temperature		24.6	ºC
2504110559	Turbidity		0.51	NTU

Well ID	PFE-1	Event Date	4/9/2025	
Sample	**Parameter**		**Result**	**Units**
2504090843	Atmospheric Pressure			psia
2504090843	Conductivity		1046	µS/cm
2504090843	DTW			ft
2504090843	Formation Pressure			psia
2504090843	pH		7.18	NA
2504090843	Temperature		24.3	ºC
2504090843	Turbidity		1.52	NTU

Well ID	PFE-2	Event Date	4/9/2025	
Sample	**Parameter**		**Result**	**Units**
2504090903	Atmospheric Pressure			psia
2504090903	Conductivity		1076	µS/cm
2504090903	DTW			ft
2504090903	Formation Pressure			psia
2504090903	pH		7.23	NA
2504090903	Temperature		28.1	ºC
2504090903	Turbidity		1.42	NTU

Well ID	PFE-3	Event Date	4/8/2025	
Sample	**Parameter**		**Result**	**Units**
2504080941	Atmospheric Pressure			psia
2504080941	Conductivity		1096	µS/cm
2504080941	DTW			ft
2504080941	Formation Pressure			psia
2504080941	pH		7.26	NA
2504080941	Temperature		23.5	ºC
2504080941	Turbidity		4.22	NTU

Well ID	PFE-4A	Event Date	4/8/2025	
Sample	**Parameter**		**Result**	**Units**
2504080920	Atmospheric Pressure			psia
2504080920	Conductivity		1103	µS/cm
2504080920	DTW			ft
2504080920	Formation Pressure			psia
2504080920	pH		7.25	NA
2504080920	Temperature		23.7	ºC
2504080920	Turbidity		1.18	NTU

Well ID	PFE-5	Event Date	4/9/2025	
Sample	**Parameter**		**Result**	**Units**
2504090819	Atmospheric Pressure			psia
2504090819	Conductivity		1150	µS/cm
2504090819	DTW			ft
2504090819	Formation Pressure			psia
2504090819	pH		7.54	NA
2504090819	Temperature		25.2	ºC
2504090819	Turbidity		2.06	NTU

Well ID	PFE-7	Event Date	4/14/2025	
Sample	**Parameter**		**Result**	**Units**
2504140920	Conductivity		1098	µS/cm
2504140920	DTW			ft
2504140920	pH		7.07	NA
2504140920	Temperature		24.8	ºC
2504140920	Turbidity		3.82	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
2/19/2025	8260_LL	2502190836	Unknown	43	ug/L	NA	NA		J TIC
3/14/2025	8260_LL	2503140551	Unknown	35	ug/L	NA	NA		J TIC
4/11/2025	8260_LL	2504110550	Unknown	27	ug/L	NA	NA		J TIC
4/11/2025	NDMA_LL	2504110553	N-Nitrosodimethylamine	0.45	ng/L	0.5	0.36		J
4/11/2025	8270	2504110555	1,4-Dioxane	0.041	ug/L	0.040	0.035		

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
2/19/2025	8260	2502190935	1,1,2-Trichloro-1,2,2-Trifluoroethane	34	ug/L	1.0	0.20		
2/19/2025	8260	2502190935	Unknown	48	ug/L	NA	NA		J TIC
2/19/2025	8260	2502190935	Trichlorofluoromethane (CFC 11)	17	ug/L	1.0	0.24		
2/19/2025	8260	2502190935	Tetrachloroethene (PCE)	0.71	ug/L	1.0	0.21		J
2/19/2025	8260	2502190935	Trichloroethene (TCE)	17	ug/L	1.0	0.20		
2/19/2025	607	2502190937	N-Nitrodimethylamine	0.04	µg/L	0.0098	0.0049	77	
2/19/2025	607	2502190937	Bromacil	0.005	µg/L	0.0098	0.0049	115	J
2/19/2025	607	2502190937	N-Nitrosodimethylamine	0.05	µg/L	0.0098	0.0049	41	
2/19/2025	8270	2502190938	1,4-Dioxane	0.039	ug/L	0.040	0.035		J
3/14/2025	8260	2503140605	1,1,2-Trichloro-1,2,2-Trifluoroethane	24	ug/L	1.0	0.20		
3/14/2025	8260	2503140605	Unknown	38	ug/L	NA	NA		J TIC
3/14/2025	8260	2503140605	Silane, methoxytrimethyl-	5.8	ug/L	NA	NA		J TIC
3/14/2025	8260	2503140605	Tetrachloroethene (PCE)	0.62	ug/L	1.0	0.21		J
3/14/2025	8260	2503140605	Trichlorofluoromethane (CFC 11)	12	ug/L	1.0	0.24		
3/14/2025	8260	2503140605	Trichloroethene (TCE)	16	ug/L	1.0	0.20		
3/14/2025	8260	2503140606	1,1,2-Trichloro-1,2,2-Trifluoroethane	23	ug/L	1.0	0.20		
3/14/2025	8260	2503140606	Trichlorofluoromethane (CFC 11)	12	ug/L	1.0	0.24		
3/14/2025	8260	2503140606	Trichloroethene (TCE)	16	ug/L	1.0	0.20		
3/14/2025	8260	2503140606	Tetrachloroethene (PCE)	0.65	ug/L	1.0	0.21		J
3/14/2025	8260	2503140606	Unknown	41	ug/L	NA	NA		J TIC
3/14/2025	607	2503140608	N-Nitrosodimethylamine	0.06	µg/L	0.0097	0.0049	44	
3/14/2025	607	2503140608	N-Nitrodimethylamine	0.05	µg/L	0.0097	0.0049	71	
3/14/2025	8270	2503140609	1,4-Dioxane	0.044	ug/L	0.040	0.035		
4/11/2025	8260	2504110605	Trichlorofluoromethane (CFC 11)	10	ug/L	1.0	0.24		
4/11/2025	8260	2504110605	Trichloroethene (TCE)	15	ug/L	1.0	0.20		
4/11/2025	8260	2504110605	Tetrachloroethene (PCE)	0.56	ug/L	1.0	0.21		J
4/11/2025	8260	2504110605	1,1,2-Trichloro-1,2,2-Trifluoroethane	18	ug/L	1.0	0.20		
4/11/2025	8260	2504110605	Unknown	26	ug/L	NA	NA		J TIC
4/11/2025	607	2504110607	N-Nitrosodimethylamine	0.06	µg/L	0.0099	0.005	47	
4/11/2025	607	2504110607	N-Nitrodimethylamine	0.04	µg/L	0.0099	0.005	74	
4/11/2025	607	2504110607	Bromacil	0.007	µg/L	0.0099	0.005	111	J
4/11/2025	8270	2504110608	1,4-Dioxane	0.046	ug/L	0.040	0.035		

Analytical Results for Sampling Events at PFE-1

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/9/2025	8260	2504090847	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.7	ug/L	1.0	0.20		
4/9/2025	8260	2504090847	Trichloroethene (TCE)	6.3	ug/L	1.0	0.20		
4/9/2025	8260	2504090847	Trichlorofluoromethane (CFC 11)	2.6	ug/L	1.0	0.24		
4/9/2025	607	2504090849	N-Nitrodimethylamine	0.04	µg/L	0.0099	0.005	72	
4/9/2025	607	2504090849	N-Nitrosodimethylamine	0.06	µg/L	0.0099	0.005	45	

Analytical Results for Sampling Events at PFE-2

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/9/2025	8260	2504090908	Dichlorofluoromethane (CFC 21)	0.28	ug/L	1.0	0.20		J
4/9/2025	8260	2504090908	Tetrachloroethene (PCE)	2.7	ug/L	1.0	0.21		
4/9/2025	8260	2504090908	Trichloroethene (TCE)	70	ug/L	1.0	0.20		
4/9/2025	8260	2504090908	Trichlorofluoromethane (CFC 11)	69	ug/L	1.0	0.24		
4/9/2025	8260	2504090908	Silanol, trimethyl-	5.3	ug/L	NA	NA		J TIC
4/9/2025	8260	2504090908	Silane, fluorotrimethyl-	7.5	ug/L	NA	NA		J TIC
4/9/2025	8260	2504090908	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.31	ug/L	1.0	0.20		J
4/9/2025	8260	2504090908	1,1,2-Trichloro-1,2,2-Trifluoroethane	120	ug/L	1.0	0.20		
4/9/2025	607	2504090910	N-Nitrodimethylamine	0.1	µg/L	0.01	0.005	72	
4/9/2025	607	2504090910	N-Nitrosodimethylamine	0.13	µg/L	0.01	0.005	45	

Analytical Results for Sampling Events at PFE-3

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/8/2025	8260	2504080946	Trichlorofluoromethane (CFC 11)	30	ug/L	1.0	0.24		
4/8/2025	8260	2504080946	1,1,2-Trichloro-1,2,2-Trifluoroethane	64	ug/L	1.0	0.20		
4/8/2025	8260	2504080946	Trichloroethene (TCE)	32	ug/L	1.0	0.20		
4/8/2025	8260	2504080946	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.21	ug/L	1.0	0.20		J
4/8/2025	8260	2504080946	Tetrachloroethene (PCE)	1.4	ug/L	1.0	0.21		
4/8/2025	607	2504080948	Bromacil	0.02	µg/L	0.0096	0.0048	109	
4/8/2025	607	2504080948	N-Nitrodimethylamine	0.08	µg/L	0.0096	0.0048	72	
4/8/2025	607	2504080948	N-Nitrosodimethylamine	0.09	µg/L	0.0096	0.0048	45	

Analytical Results for Sampling Events at PFE-4A

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/8/2025	8260	2504080925	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.4	ug/L	1.0	0.20		
4/8/2025	8260	2504080925	Trichloroethene (TCE)	1.4	ug/L	1.0	0.20		
4/8/2025	8260	2504080925	Trichlorofluoromethane (CFC 11)	0.8	ug/L	1.0	0.24		J
4/8/2025	607	2504080927	Bromacil	0.01	µg/L	0.0098	0.0049	109	
4/8/2025	607	2504080927	N-Nitrodimethylamine	0.006	µg/L	0.0098	0.0049	72	J
4/8/2025	NDMA_LL	2504080928	N-Nitrosodimethylamine	19.34	ng/L	0.48	0.35		
4/8/2025	NDMA_LL	2504080928	N-Nitrodimethylamine	11.4	ng/L	0.48	0.33		
4/8/2025	NDMA_LL	2504080929	N-Nitrodimethylamine	11.37	ng/L	0.49	0.34		
4/8/2025	NDMA_LL	2504080929	N-Nitrosodimethylamine	19.71	ng/L	0.49	0.35		

Analytical Results for Sampling Events at PFE-5

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/9/2025	8260	2504090824	Trichloroethene (TCE)	30	ug/L	1.0	0.20		
4/9/2025	8260	2504090824	Trichlorofluoromethane (CFC 11)	7.2	ug/L	1.0	0.24		
4/9/2025	8260	2504090824	Tetrachloroethene (PCE)	1.3	ug/L	1.0	0.21		
4/9/2025	8260	2504090824	1,1,2-Trichloro-1,2,2-Trifluoroethane	4.3	ug/L	1.0	0.20		
4/9/2025	8260	2504090825	1,1,2-Trichloro-1,2,2-Trifluoroethane	4.4	ug/L	1.0	0.20		
4/9/2025	8260	2504090825	Trichlorofluoromethane (CFC 11)	7.2	ug/L	1.0	0.24		
4/9/2025	8260	2504090825	Tetrachloroethene (PCE)	0.99	ug/L	1.0	0.21		J
4/9/2025	8260	2504090825	Trichloroethene (TCE)	30	ug/L	1.0	0.20		
4/9/2025	8260	2504090825	Dichlorofluoromethane (CFC 21)	0.2	ug/L	1.0	0.20		J
4/9/2025	607	2504090827	Bromacil	0.01	µg/L	0.0096	0.0048	109	
4/9/2025	607	2504090827	N-Nitrosodimethylamine	0.19	µg/L	0.0096	0.0048	45	
4/9/2025	607	2504090827	N-Nitrodimethylamine	0.12	µg/L	0.0096	0.0048	72	
4/9/2025	607	2504090828	N-Nitrosodimethylamine	0.2	µg/L	0.0097	0.0049	45	
4/9/2025	607	2504090828	Bromacil	0.01	µg/L	0.0097	0.0049	109	
4/9/2025	607	2504090828	N-Nitrodimethylamine	0.12	µg/L	0.0097	0.0049	72	

Analytical Results for Sampling Events at PFE-7

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
4/14/2025	8260	2504140925	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.4	ug/L	1.0	0.20		A QD
4/14/2025	8260	2504140925	Trichloroethene (TCE)	3.6	ug/L	1.0	0.20		
4/14/2025	8260	2504140925	Trichlorofluoromethane (CFC 11)	2	ug/L	1.0	0.24		
4/14/2025	8260	2504140925	Unknown	12	ug/L	NA	NA		J TIC
4/14/2025	NDMA_LL	2504140928	N-Nitrosodimethylamine	2.27	ng/L	0.49	0.35		QD
4/14/2025	NDMA_LL	2504140928	N-Nitrodimethylamine	0.68	ng/L	0.49	0.34		K

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	2/19/2025	
Sample	**Parameter**		**Result**	**Units**
2502190947	Atmospheric Pressure			psia
2502190947	Conductivity		1058	µS/cm
2502190947	DTW			ft
2502190947	Formation Pressure			psia
2502190947	pH		7.82	NA
2502190947	Temperature		21.9	ºC
2502190947	Turbidity		0.43	NTU

Well ID	B655-EFF-2	Event Date	3/13/2025	
Sample	**Parameter**		**Result**	**Units**
2503131225	Atmospheric Pressure			psia
2503131225	Conductivity		1152	µS/cm
2503131225	DTW			ft
2503131225	Formation Pressure			psia
2503131225	pH		7.62	NA
2503131225	Temperature		23.7	ºC
2503131225	Turbidity		0.22	NTU

Well ID	B655-EFF-2	Event Date	4/10/2025	
Sample	**Parameter**		**Result**	**Units**
2504101217	Atmospheric Pressure			psia
2504101217	Conductivity		1119	µS/cm
2504101217	DTW			ft
2504101217	Formation Pressure			psia
2504101217	pH		7.96	NA
2504101217	Temperature		25.8	ºC
2504101217	Turbidity		1.03	NTU

Well ID	B655-INF-2	Event Date	2/19/2025	
Sample	**Parameter**		**Result**	**Units**
2502191005	Atmospheric Pressure			psia
2502191005	Conductivity		1132	µS/cm
2502191005	DTW			ft
2502191005	Formation Pressure			psia
2502191005	pH		6.92	NA
2502191005	Temperature		23.9	ºC
2502191005	Turbidity		0.21	NTU

Well ID	B655-INF-2	Event Date	3/13/2025	
Sample	**Parameter**		**Result**	**Units**
2503131241	Atmospheric Pressure			psia
2503131241	Conductivity		1139	µS/cm
2503131241	DTW			ft
2503131241	Formation Pressure			psia
2503131241	pH		6.96	NA
2503131241	Temperature		22.9	ºC
2503131241	Turbidity		0.34	NTU

Well ID	B655-INF-2	Event Date	4/10/2025	
Sample	**Parameter**		**Result**	**Units**
2504101241	Atmospheric Pressure			psia
2504101241	Conductivity		1126	µS/cm
2504101241	DTW			ft
2504101241	Formation Pressure			psia
2504101241	pH		6.94	NA
2504101241	Temperature		24.5	ºC
2504101241	Turbidity		1.14	NTU

Well ID	MPE-1	Event Date	2/11/2025	
Sample	**Parameter**		**Result**	**Units**
2502110820	Atmospheric Pressure			psia
2502110820	Conductivity		1289	µS/cm
2502110820	DTW			ft
2502110820	Formation Pressure			psia
2502110820	pH		7.54	NA
2502110820	Temperature		21.9	ºC
2502110820	Turbidity		1.28	NTU

Well ID	MPE-10	Event Date	2/11/2025	
Sample	**Parameter**		**Result**	**Units**
2502110900	Atmospheric Pressure			psia
2502110900	Atmospheric Pressure			psia
2502110900	Conductivity			µS/cm
2502110900	Conductivity		1220	µS/cm
2502110900	DTW			ft
2502110900	DTW			ft
2502110900	Formation Pressure			psia
2502110900	Formation Pressure			psia
2502110900	pH		7.45	NA
2502110900	pH			NA
2502110900	Temperature			ºC
2502110900	Temperature		18.7	ºC
2502110900	Turbidity			NTU
2502110900	Turbidity		0.47	NTU

Well ID	MPE-11	Event Date	2/11/2025	
Sample	**Parameter**		**Result**	**Units**
2502110925	Atmospheric Pressure			psia
2502110925	Conductivity		949	µS/cm
2502110925	DTW			ft
2502110925	Formation Pressure			psia
2502110925	pH		7.64	NA
2502110925	Temperature		22.5	ºC
2502110925	Turbidity		3.19	NTU

Well ID	MPE-9	Event Date	2/11/2025	
Sample	**Parameter**		**Result**	**Units**
2502110840	Atmospheric Pressure			psia
2502110840	Conductivity		1240	µS/cm
2502110840	DTW			ft
2502110840	Formation Pressure			psia
2502110840	pH		7.43	NA
2502110840	Temperature		18.8	ºC
2502110840	Turbidity		0.67	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
2/19/2025	8260_LL	2502190953	Unknown	43	ug/L	NA	NA		J TIC
2/19/2025	8270	2502190959	1,4-Dioxane	0.046	ug/L	0.040	0.035		
2/19/2025	PFAS	2502191000	PFOS	1.8	ng/L	1.5	0.38		
2/19/2025	PFAS	2502191000	PFHxA	1.6	ng/L	1.5	0.37		
2/19/2025	PFAS	2502191000	PFHxS	1.8	ng/L	1.5	0.39		
2/19/2025	PFAS	2502191000	PFBA	47.5	ng/L	6.2	1.5		
3/13/2025	8260_LL	2503131230	Unknown	38	ug/L	NA	NA		J TIC
3/13/2025	8270	2503131235	1,4-Dioxane	0.049	ug/L	0.040	0.035		
4/10/2025	8260_LL	2504101224	Trichlorofluoromethane (CFC 11)	0.25	ug/L	0.50	0.24		J
4/10/2025	8260_LL	2504101224	Unknown	27	ug/L	NA	NA		J TIC
4/10/2025	8270	2504101229	1,4-Dioxane	0.057	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
2/19/2025	8260	2502191010	1,1,2-Trichloro-1,2,2-Trifluoroethane	290	ug/L	2.5	0.50		D
2/19/2025	8260	2502191010	Unknown	97	ug/L	NA	NA		J TIC
2/19/2025	8260	2502191010	Unknown	49	ug/L	NA	NA		J TIC
2/19/2025	8260	2502191010	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.2	ug/L	1.0	0.20		
2/19/2025	8260	2502191010	Trichlorofluoromethane (CFC 11)	140	ug/L	1.0	0.24		
2/19/2025	8260	2502191010	Trichloroethene (TCE)	57	ug/L	1.0	0.20		
2/19/2025	8260	2502191010	Dichlorofluoromethane (CFC 21)	1.5	ug/L	1.0	0.20		
2/19/2025	8260	2502191010	Tetrachloroethene (PCE)	2.7	ug/L	1.0	0.21		
2/19/2025	607	2502191012	N-Nitrosodimethylamine	1.66	µg/L	0.0094	0.0047	41	
2/19/2025	607	2502191012	N-Nitrodimethylamine	1.27	µg/L	0.0094	0.0047	77	
2/19/2025	607	2502191012	Bromacil	0.17	µg/L	0.0094	0.0047	115	
2/19/2025	8270	2502191013	1,4-Dioxane	0.14	ug/L	0.040	0.035		
2/19/2025	PFAS	2502191014	PFHxS	3.7	ng/L	1.6	0.4		
2/19/2025	PFAS	2502191014	PFOA	3.7	ng/L	1.6	0.48		
2/19/2025	PFAS	2502191014	PFHxA	2.2	ng/L	1.6	0.38		
2/19/2025	PFAS	2502191014	PFOS	5.5	ng/L	1.6	0.39		
2/19/2025	PFAS	2502191014	PFBA	67.6	ng/L	6.3	1.5		
2/19/2025	PFAS	2502191015	PFOS	5.2	ng/L	1.5	0.38		
2/19/2025	PFAS	2502191015	PFHxA	2.1	ng/L	1.5	0.37		
2/19/2025	PFAS	2502191015	PFOA	3.7	ng/L	1.5	0.47		
2/19/2025	PFAS	2502191015	PFHxS	4	ng/L	1.5	0.39		
2/19/2025	PFAS	2502191015	PFBA	69.1	ng/L	6.2	1.5		
3/13/2025	8260	2503131246	Trichloroethene (TCE)	44	ug/L	1.0	0.20		
3/13/2025	8260	2503131246	Trichlorofluoromethane (CFC 11)	82	ug/L	1.0	0.24		
3/13/2025	8260	2503131246	Tetrachloroethene (PCE)	2.1	ug/L	1.0	0.21		
3/13/2025	8260	2503131246	Dichlorofluoromethane (CFC 21)	1.5	ug/L	1.0	0.20		
3/13/2025	8260	2503131246	Unknown	41	ug/L	NA	NA		J TIC
3/13/2025	8260	2503131246	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.5	ug/L	1.0	0.20		
3/13/2025	8260	2503131246	1,1,2-Trichloro-1,2,2-Trifluoroethane	150	ug/L	1.0	0.20		
3/13/2025	607	2503131248	N-Nitrosodimethylamine	1.51	µg/L	0.0094	0.0047	44	
3/13/2025	607	2503131248	N-Nitrodimethylamine	0.99	µg/L	0.0094	0.0047	71	
3/13/2025	607	2503131248	Bromacil	0.17	µg/L	0.0094	0.0047	58	QD
3/13/2025	607	2503131249	N-Nitrosodimethylamine	1.32	µg/L	0.0094	0.0047	44	
3/13/2025	607	2503131249	N-Nitrodimethylamine	0.86	µg/L	0.0094	0.0047	71	
3/13/2025	607	2503131249	Bromacil	0.13	µg/L	0.0094	0.0047	58	QD

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
3/13/2025	8270	2503131250	1,4-Dioxane	0.11	ug/L	0.040	0.035		
4/10/2025	8260	2504101245	Unknown	30	ug/L	NA	NA		J TIC
4/10/2025	8260	2504101245	1,1,2-Trichloro-1,2,2-Trifluoroethane	160	ug/L	1.0	0.20		
4/10/2025	8260	2504101245	Dichlorofluoromethane (CFC 21)	1.1	ug/L	1.0	0.20		
4/10/2025	8260	2504101245	Tetrachloroethene (PCE)	2.3	ug/L	1.0	0.21		
4/10/2025	8260	2504101245	Trichloroethene (TCE)	49	ug/L	1.0	0.20		
4/10/2025	8260	2504101245	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	1.4	ug/L	1.0	0.20		
4/10/2025	8260	2504101245	Trichlorofluoromethane (CFC 11)	84	ug/L	1.0	0.24		
4/10/2025	607	2504101247	N-Nitrosodimethylamine	1.43	µg/L	0.0094	0.0047	47	
4/10/2025	607	2504101247	N-Nitrodimethylamine	0.91	µg/L	0.0094	0.0047	74	
4/10/2025	607	2504101247	Bromacil	0.1	µg/L	0.0094	0.0047	111	
4/10/2025	8270	2504101248	1,4-Dioxane	0.13	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
2/11/2025	8260	2502110821	Tetrachloroethene (PCE)	3.6	ug/L	1.0	0.21		
2/11/2025	8260	2502110821	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.3	ug/L	1.0	0.20		
2/11/2025	8260	2502110821	cis-1,2-Dichloroethene	0.23	ug/L	1.0	0.23		J
2/11/2025	8260	2502110821	Trichloroethene (TCE)	70	ug/L	1.0	0.20		
2/11/2025	8260	2502110821	Unknown	42	ug/L	NA	NA		J TIC
2/11/2025	8260	2502110821	Dichlorofluoromethane (CFC 21)	1.6	ug/L	1.0	0.20		
2/11/2025	8260	2502110821	1,1,2-Trichloro-1,2,2-Trifluoroethane	410	ug/L	2.5	0.50		D
2/11/2025	8260	2502110821	Trichlorofluoromethane (CFC 11)	160	ug/L	1.0	0.24		
2/11/2025	8260	2502110822	Trichlorofluoromethane (CFC 11)	160	ug/L	1.0	0.24		
2/11/2025	8260	2502110822	Unknown	40	ug/L	NA	NA		J TIC
2/11/2025	8260	2502110822	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.3	ug/L	1.0	0.20		
2/11/2025	8260	2502110822	Trichloroethene (TCE)	72	ug/L	1.0	0.20		
2/11/2025	8260	2502110822	Tetrachloroethene (PCE)	3.4	ug/L	1.0	0.21		
2/11/2025	8260	2502110822	1,1,2-Trichloro-1,2,2-Trifluoroethane	390	ug/L	2.5	0.50		D
2/11/2025	8260	2502110822	Dichlorofluoromethane (CFC 21)	1.6	ug/L	1.0	0.20		
2/11/2025	607	2502110824	N-Nitrosodimethylamine	2.47	µg/L	0.0094	0.0047	37	
2/11/2025	607	2502110824	N-Nitrodimethylamine	1.83	µg/L	0.0094	0.0047	69	
2/11/2025	607	2502110824	Bromacil	0.28	µg/L	0.0094	0.0047	83	

Analytical Results for Sampling Events at MPE-10

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/11/2025	8260	2502110901	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2	ug/L	1.0	0.20		
2/11/2025	8260	2502110901	Dichlorofluoromethane (CFC 21)	1.8	ug/L	1.0	0.20		
2/11/2025	8260	2502110901	Trichlorofluoromethane (CFC 11)	130	ug/L	1.0	0.24		
2/11/2025	8260	2502110901	Trichloroethene (TCE)	71	ug/L	1.0	0.20		
2/11/2025	8260	2502110901	Tetrachloroethene (PCE)	3.5	ug/L	1.0	0.21		
2/11/2025	8260	2502110901	1,1,2-Trichloro-1,2,2-Trifluoroethane	220	ug/L	2.5	0.50		D
2/11/2025	607	2502110903	N-Nitrosodimethylamine	2.06	µg/L	0.0095	0.0048	37	
2/11/2025	607	2502110903	N-Nitrodimethylamine	1.42	µg/L	0.0095	0.0048	69	
2/11/2025	607	2502110903	Bromacil	0.13	µg/L	0.0095	0.0048	83	

Analytical Results for Sampling Events at MPE-11

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/11/2025	8260	2502110926	Sulfur Dioxide	15	ug/L	NA	NA		J TIC
2/11/2025	8260	2502110926	1,1,2-Trichloro-1,2,2-Trifluoroethane	15	ug/L	1.0	0.20		
2/11/2025	8260	2502110926	Dichlorofluoromethane (CFC 21)	0.9	ug/L	1.0	0.20		J
2/11/2025	8260	2502110926	Tetrachloroethene (PCE)	0.44	ug/L	1.0	0.21		J
2/11/2025	8260	2502110926	Trichloroethene (TCE)	7.5	ug/L	1.0	0.20		
2/11/2025	8260	2502110926	Trichlorofluoromethane (CFC 11)	9.7	ug/L	1.0	0.24		
2/11/2025	8260	2502110926	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	0.66	ug/L	1.0	0.20		J
2/11/2025	607	2502110928	N-Nitrosodimethylamine	0.14	µg/L	0.0094	0.0047	37	
2/11/2025	607	2502110928	N-Nitrodimethylamine	0.09	µg/L	0.0094	0.0047	69	

Analytical Results for Sampling Events at MPE-9

Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
2/11/2025	8260	2502110841	1,1,2-Trichloro-1,2,2-Trifluoroethane	420	ug/L	5.0	1.0		D
2/11/2025	8260	2502110841	Dichlorofluoromethane (CFC 21)	1.4	ug/L	1.0	0.20		
2/11/2025	8260	2502110841	Tetrachloroethene (PCE)	5.6	ug/L	1.0	0.21		
2/11/2025	8260	2502110841	Trichloroethene (TCE)	120	ug/L	1.0	0.20		
2/11/2025	8260	2502110841	Trichlorofluoromethane (CFC 11)	210	ug/L	1.0	0.24		G
2/11/2025	8260	2502110841	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)	2.1	ug/L	1.0	0.20		
2/11/2025	607	2502110843	N-Nitrosodimethylamine	2.27	µg/L	0.0096	0.0048	37	
2/11/2025	607	2502110843	N-Nitrodimethylamine	1.6	µg/L	0.0096	0.0048	69	
2/11/2025	607	2502110843	Bromacil	0.16	µg/L	0.0096	0.0048	83	
2/11/2025	607	2502110844	Bromacil	0.15	µg/L	0.0096	0.0048	83	
2/11/2025	607	2502110844	N-Nitrosodimethylamine	2.27	µg/L	0.0096	0.0048	37	
2/11/2025	607	2502110844	N-Nitrodimethylamine	1.62	µg/L	0.0096	0.0048	69	

Appendix B
Sampling Event Logbook Entries and Internal CoC Forms

Dan Halvorsen & 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 an In-Situ Aqua Troll 500. Carboy G3 in use.

Calibrations
DO sensor - Calibrated in 100% saturation.
Cond sensor - " using 1413 µs/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)	DTW (ft)
1) 250218 0855A	20.71	1129.0	4.26	118.5	7.36	0.54	177.78
2) —— 0858A	20.75	1131.2	4.13	116.9	7.36	0.50	177.78
3) —— 0901A	20.67	1133.8	4.02	115.5	7.34	0.45	177.78

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250218 0905A	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS
—— 0906A	" (Dupl.)	"	"	"	"
—— 0907A	" (FB)	"	"	"	"
—— 0908A	GRO by 8015D	"	"	"	"
—— 0909A	607/Bromacil	ice	(1) 1L Amber	0113901J	SRI
—— 0910A	SVOA by 8270D	"	(2) 500ml amb.	101121-1BME	ALS
—— 0911A	Total Metals	ice/HNO3	(2) 125ml polys	N/A	"
—— 0912A	* " (MS) *	"	"	"	"
—— 0913A	DRO by 8015D	ice	(1) 500ml amber	101121-1BME	"

Initial DTW: 177.76ft. Total gallons purged: 2

Continued from page N/A

Read and Understood By

Craig Del Ferraro 2/18/25 B-2 Jon W Munch 2-19-25
Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/18/25 Page 1 of 1

Sample Location: 100-A-182

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	GRO	607	SVOA	Total Metals			Charge Number
2502180905A	3	A	✓							XGMD
0906A (Dupl.)	3	A	✓							4
0907A (FB)	3	A	✓							4
0908A	3	A		✓						4
0909A	1	A			✓					4
0910A	2	A				✓				4
0911A	2	A					✓			4

Sample Location: 100-A-182

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Total Metals	DRO						Charge Number
2502180912A (MS)	2	A	✓							XGMD
0913A	1	A		✓						4

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig DelZuno	2/18/25/1000hrs.			2-19-25 / 0845

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

WSTF 381C (05/2016)

PROJECT 100·C·365 WJ1: ENU. 0053

Notebook No. D32#138C

Continued from page N/A

AL MONTES & TONY TORRES PRESENT. WEATHER IS COOL & HAZY. THIS WELL WILL BE SAMPLED W/ A DEDICATED BLADDER PUMP. PARAMETERS TAKEN W/ INSITU AQUA TROLL. CARBOY G-2

CALIBRATION

PH = 4, 7, 10 BUFFERS
COND = 1413 µS/cm STD
DO = 100% SAT AIR
TURB: 10 NTU STD

DTW - 287.30 FT
IDW - 1.2 gal

PARAMETERS	PH	COND µS/cm	DO	TURB	ORP	TEMP °C	DTW
250218 1005c	8.90	778.68	5.21	0.27	121.2	22.37	288.
1010c	8.96	778.70	5.20	0.25	122.7	22.39	288.
1015c	8.99	769.67	5.10	0.19	122.8	23.49	288.

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINER	LOT#	CAR
250218 1020c	8260LL	ICE·HCl	3·40mL VIALS	2774	ALS
1022c	" (FB)	"	"	"	"
1024c	607	ICE ICT AMBR	ICT AMBER	0119901J	SRE
1030c	GRO 8015D	ICE·HCl	3·40mL VIALS	2774	ALS
1035c	SVOA 8270D	ICE	2·500mL AMB	071122.1HY	"
1040c	TOTAL METALS	ICE·HNO_3	2-125mL POLY	NA	"
1042c	ANIONS/ALK	ICE/0.4 HEAD	2-250mL POLY	052024.2ERG	"
1044c	TOS	ICE	1- "	091823.2ADD	"
1046c	DRO	"	500mL AMB	071122.1HY	"
1048c	PERCHLORATE	ICE·2/3 FULL	125mL POLY	081224.2ERD	"
1050c	NO_2 NO_3	ICE H_2SO_4	250mL POLY	093024.4EK1	"

Continued from page NA

Read and Understood By

2.18.25

B-4

2-19-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2·18·25 Page 1 of 1

Sample Location: 100.C.365

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	607	GRO	SVOA 8270	TOTAL METAL	ANIONS.ALK		Charge Number
										XGMD
250218 1020c	3	A	X							
1022c FB	3	A	X							
1024c	1	A		X						
1030c	3	A			X					
1035c	2	A				X				
1040c	2	A					X			
1042c	2	A						X		

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: TDS	DRO	PERCHLORATE	NO2NO3				Charge Number
										XGMD
250218 1044c	1	A	X							
1046c	1	A		X						
1048c	1	A			X					
1050c	1	A				X				

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	2·18·25 11:11am			2-19-25 / 0845

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

Marcus Avalos & Robert Burrows present. Weather is clear & cool. This zone will be sampled using 5 steam cleaned & triple rinsed, stainless steel sample tubes. Gen in use. Probe #1589. Surface checks performed on probe prior to sampling.

Carboy G. 1

30-Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250211085OY	VOA by 8260	HCl/Ice	(3)40 ml vials	2774	ALS

Initial Parameters		Final	Meter ID		
Time	250211092OY	250211102O Y	pH/Cond	# 15	
pH	7.64	7.39	Turb	# 7	
Temp	17.9°C	16.1°C	= STD	48.7 NTU	
Cond	1118 us/cm	1185 us/cm	= RDG	47.2 NTU	
Turb	1.08 NTU	1.02 NTU	= LOT	A3333	
pH pre	7.03/10.02 (13.7°C)	7.03/10.01 (14.6°C)	= EXP	2/28/25	
pH post	7.01/10.04	7.02/10.00			
DTW	150.70'	150.87'	Buffers	lot	Exp
Atmos	12.26 psia	12.30 psia	7	CC779793	8.25
		IDW - 0.5 gal	10	CC783411	6.25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250211094SY	VOA by 8260	HCl/Ice	(3)40 ml vials	2774	ALS
0946Y	607/Bromacil	Ice	(1)1L Amber	01199013	SIZI
1015Y	Total Metals	HNO3/Ice	(2)125 ml poly	NA	ALS

Runs	1)	2)	3)
	25.75	25.74	25.74
	29.95	29.94	29.91
	29.95	29.92	29.92
	25.75	25.73	25.72

Continued from page

Read and Understood By

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/11/25 Page 1 of 1

Sample Location: 200.C.170

Analytical Requirement: 8260 / 607/8250 / T. Metals

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260	607/8250	T. Metals					Charge Number
250211085OY (GB)	3	A	X							XGMD
0945Y	3	↓	X							↓
0946Y	1			X						
1015Y	2				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 WA	2/11/25 @ 1050		[signature]	2-12-25 / 0830

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

WSTF 381C (05/2016)

Marcus Avalos & Robert Burrows present. Weather is cloudy, breezy, & warm. This zone will be sampled using 5 steam cleaned & triple rinsed, stainless steel sample tubes. Geo in use. Probe # 1539. Surface checks performed on probe prior to sampling.

Carboy C-1
30-Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250210125O4	VOA by 8260	HCl/Ice	(3) 40ml vials	2774	ALS

Initial Parameters		Final	
Time	250210131SY	250210142OY	
PH	7.58	7.63	
Temp	19.3°C	18.7°C	
Cond	1080 uS/cm	1197 uS/cm	
Turb	1.21 NTU	1.16 NTU	
pH pre	7.03/10.03 (19.5°C)	7.02/10.04 (19.1°C)	
pH post	7.05/10.02	7.04/10.03	
FTW	150.55	150.70	
Hmos	12.29 psia	12.30 psia	
		IDW - 0.75 gal	

Meter ID	
PH/Cond	#15
Turb	#7
= STD	48.7 NTU
= RDG	48.6 NTU
= LOT	A3333
= Exp	2/28/25

Buffers	lot	Exp
7	CC779793	8.25
10	CC783411	6.25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250210134SY	VOA by 8260	HCl/Ice	(3) 40ml vials	2774	ALS
——— 1346Y	60T/Bromacil	Ice	(1) 1L Amber	01199013	SRL
——— 1415Y	Total Metals	HNO3/Ice	(2) 125ml p/y	NA	ALS

Cons	1)	2)	3)
	49.80	49.79	49.77
	53.82	53.81	53.80
	53.84	53.84	53.79
	49.79	49.80	49.78

Continued from page

Read and Understood By

Signed — 2/10/25 Date

Signed — 2-11-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/10/25 Page 1 of 1

Sample Location: 200 · C · 225

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607/Rco	T. Metals					Charge Number
250210125OY (EB)	3	A	X							XGMD
1345Y	3	↓	X							↓
1346Y	1	↓		X						↓
1415Y	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:
MJ WA	2/10/25 @ 1435		[signature]	2-11-25 / 0830

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

Marcus Ayalos & Robert Burrows present. Weather is cloudy & cool. This zone will be sampled using 5 steam cleaned & triple rinsed, stainless steel sample tubes. Geo in use. Probe #1539. Surface checks performed on probe prior to sampling.

Carboy G-1

30-Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250210085OY	VOA by 8260	HCl/Ice	(3) 40ml vials	2774	ALS

Initial Parameters	Final	Meter ID
Time - 250210091SY	250210104OY	PH/Cond - 15
PH - 7.56	7.37	Turb - 7
Temp - 18.9 °C	18.8 °C	= STD - 48.7 NTU
Cond - 1140 µS/cm	1189 µS/cm	= RDG - 48.6 NTU
Turb - 0.96 NTU	1.24 NTU	= Lot - A3333
PHpre - 7.02/10.0ke (16.0°C)	7.02/10.02 (18.8°C)	= EXP - 2/28/25
PHpost - 7.04/10.05	7.03/10.04	
DTW - 150.10'	150.55'	
Atmos - 12.30 psia	12.32 psia	
	IDW - 0.75 gal	

Buffers	lot	EXP
7	CC779793	8.25
10	CC783411	6.25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250210094OY	VOA by 8260	HCl/Ice	(3) 40ml vials	2774	ALS
—— 0941Y	607/Bromacil	Ice	(1) 1L Amber	011990IJ	SEI
—— 1010Y	Total Metals	HNO3/Ice	(2) 125ml poly	NA	ALS
—— 1011Y	Anions/Alk	Ice/ZincOHS	(2) 250ml poly	052024	"
—— 1012Y	TDS by SM2540C	Ice	(1) "	"	"
—— 1035Y	Perchlorate 6850	Ice/1/3 HS	(1) 125ml poly	081224	"
—— 1036Y	NO2/NO3 by 353.2	H2SO4/Ice	(1) 250ml poly	093024EK1	"

Runs	1)	2)	3)	4)
	68.66	68.62	68.57	68.51
	73.30	73.30	73.30	73.30
	73.32	73.29	73.32	73.30
	68.64	68.64	68.57	68.52

Continued from page

Read and Understood By

Signed 2/10/25 Date

Signed 2-11-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/10/25 Page 1 of 1

Sample Location: 200 · C · 270

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607/B60	T. Metals	Anions/AIK	TDS	Perchlorate		Charge Number
250210085OY (EB)	3	A	X							XGMO
0940 Y	3		X							
0941 Y	1			X						
1010 Y	2				X					
1011 Y	2					X				
1012 Y	1						X			
1035 Y	1							X		

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: NO2/NO3							Charge Number
250210103GY	1	A	X							XGMD

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MT GX	2/10/25 @ 1110			2-11-25 / 0830

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

WSTF 381C (05/2016)

Marcus Avalos & Robert Burrows present. Weather is cold & breezy. This zone will be sampled using 5 steam cleaned & triple rinsed, stainless steel sample tubes. Gen in use. Probe #1589. Surface checks performed on probe prior to sampling.

Carbon Gr. 1

30 Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250212300Y	VOA by 8260	HCl/Ice	(3) 40 ml vials	2774	A/S

Initial Parameters		Final	Meter ID
Time	250212345Y	250213092 5Y	
pH	8.23	7.54	pH/Cond - # 15
Temp	17.9°C	16.0°C	Turb - # 7
Cond	889 us/cm	1189 us/cm	= 350 - 48.7 NTU
Turb	1.67 NTU	3.34 NTU	= 200 - 46.5 NTU
pH pre	7.02/10.04 (8.4°C)	7.04/10.05 (11.2°C)	= LOT - AB333
pH post	7.04/10.03	7.04/10.05	= Exp - 2.28.25
DTW	181.60'	181.73'	
Atmos	12.18 psia	12.31 psia	
		IDW - 0.5 gal	

Buffers	lot	Exp
7	CC779793	8.25
10	CC783411	6.25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250212425Y	VOA by 8260	HCl/Ice	(3) 40 ml vials	2774	A/S
—— 1426Y	607/Bromacil	Ice	(1) 1L Amber	011990 J	SPI
250213 0845Y	Total Metals	HNO3/Ice	(2) 125 ml poly	NA	A/S
—— 0846Y	Anions/Alk	Ice/Zinc Ac HS	(2) 250 ml poly	052024	"
—— 0847Y	TDS by SM2540C	Ice	(1) "	"	"
—— 0920Y	Perchlorate 6850	Ice/Zn HS	(1) 125 ml poly	081224	"
—— 0921Y	NO2/NO3 by 353.2	H_2SO_4/Ice	(1) 250 ml poly	093024 (EKL)	"

Runs	1)	2)	3)	4)	5)
	35.12	35.08	35.07	35.20	35.20
	42.90	41.07	40.99	43.00	41.58
	38.04	37.98	39.84	40.49	40.22
	35.11	35.08	35.07	35.22	35.20

Continued from page

Read and Understood By

MA — Signed — 2/13/25 Date

Signed — 2-14-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/12/25 Page 1 of 1

Sample Location: 200 · F · 225

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260	607/8270						Charge Number
250212130041 (EB)	3	A	X							XGMD
14254	3	1	X							1
14264	1	1		X						1

Sample Location:

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

Analytical Requirement

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	2/12/25 @ 1520		[signature]	2-13-25 / 0815

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

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2.13.25 Page 1 of 1

Sample Location: 200.F.225

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: T. Metals	Anions / Alk	TDS	Perchlorate	NO2/NO3			Charge Number
2502130845Y	2	A	X							XGMD
0846Y	2			X						
0847Y	1				X					
0920Y	1					X				
0921Y	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:
MG	2.13.25 @ 0945			2-14-25 / 0815

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

WSTF 381C (05/2016)

Marcus Avalos & Robert Burrows present. Weather is windy & cool. This zone will be sampled using 5 steam cleaned & triple rinsed, stainless steel sample tubes. Gren in use. Probe # 1539. Surface checks performed on probe prior to sampling.

Carboy G.1
30-Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250211325Y	VOA by 8260	HCl/Ice	(3)40 ml vials	2774	A/S

Initial Parameters	Final
Time - 250211350Y	250211450Y
PH - 7.77	7.28
Temp - 20.4°C	19.0°C
Cond - 1110 us/cm	1280 us/cm
Turb - 1.71 NTU	1.21 NTU
PHpre - 7.03/10.05 (17.6°C)	7.02/10.06 (18.0°C)
PHpost - 7.04/10.04	7.05/10.05
DTW - 181.00'	181.23'
Atmos - 12.16 psia	12.13 psia
	IDW - 0.5 gal

Meter ID
PH/Cond - # 15
Turb - # 7
= STD: 48.7 NTU
= Rdg: 48 MA 47.2 NTU
= Lot - A3333
= Exp - 2/28/25

Buffers	lot	Exp
7	CC779793	8.25
10	CC783411	6.25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250211415Y	VOA by 8260	HCl/Ice	(3)40 ml vials	2774	A/S
1416Y	607/Bromacil	Ice	(1) 1L Amber	0119901J	SE
1445Y	Total Metals	HNO3/Ice	(2) 125 ml poly	NA	=
1446Y	= (Dup)	=	=	=	=

* Weather got very windy & dusty while sampling this zone.

Runs 1) 97.85 2) 97.79 3) 97.75
105.15 105.12 105.10
105.06 105.07 105.07
97.82 97.77 97.73

Continued from page

Read and Understood By

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/11/25 Page 1 of 1

Sample Location: 200 · F. 370

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260	607/8270	T. Metals					Charge Number
250211325Y (EB)	3	A								XGMD
1415Y	3	↓								↓
1416Y	1									
1445Y	2									
1446Y (Dup)	2	↓								

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	2/11/25 @1500		[signature]	2-12-25 / 0830

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

WSTF 381C (05/2016)

Marcus Avalos & Robert Burrows present. Weather is breezy & cold. 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 prior to sampling.

Carboy G.1

30. Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250212084SY	VOA by 8260	HCl/Ice	(3) 40 ml vials	2774	AL
—— 0846Y	Total Metals	HNO3/Ice	(2) 125 ml poly	NA	SI

Initial Parameters		Final	
Time	250212092SY	250212104SY	
pH	7.89	7.45	
Temp	17.1 °C	16.2 °C	
Cond	1149 µs/cm	1328 µs/cm	
Turb	1.96 NTU	1.10 NTU	
pH pre	7.04 / 10.03 (9.2 °C)	7.06 / 10.04 (8.9 °C)	
pH post	7.05 / 10.05	7.05 / 10.06	
DTW	181.23'	181.60'	
Atmos	12.19 psia	12.20 psia	
		IDW · 0.5 gal	

Meter ID

pH/Cond · #15

Turb · #7

= STD · 48.7 NTU

= RGN · 48.5 NTU

= LOT · A3333

= Exp · 2/28/25

Buffers	lot	Exp
7	CC779793	8·25
10	CC783411	6·25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250212100SY	VOA by 8260	HCl/Ice	(3) 40 ml vials	2774	AL
—— 1001Y	= (MS)	=	=	=	=
—— 1002Y	607/Bromacil	Ice	(1) 1L Amber	0119901J	SI
—— 1040Y	Total Metals	HNO3/Ice	(2) 125 ml poly	NA	AL

Runs	1)	2)	3)
	119.27	119.22	119.20
	127.43	126.28	125.72
	125.54	125.08	124.20
	119.24	119.16	119.14

Continued from page

Read and Understood By

MA — Signed — 2/12/25 Date

Signed — 2-13-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/12/25 Page 1 of 1

Sample Location: 200 · F · 420

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607/8270	T. Metals					Charge Number
250212084SY (EB)	3	A	X							XGMD
0846Y (EB)	2	↓			X					↓
1000Y	3		X							
1001Y (MS)	3		X							
1002Y	1			X						
1040Y	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]	2/12/25 @ 1110		[signature]	2-13-25 / 0815

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

WSTF 381C (05/2016)

Dan Halvorsen & Craig Del Ferraro present. Weather is cloudy, warm, and breezy. 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.

Trip blanks - Water purification system

Sample	Analysis	Preservative	Container	Lot	Lab
250218125OA	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS

Parameters (time)	temp (°c)	cond (us/cm)	DO	ORP	PH	Turb (NTU's)	DTW (ft)
1) 250218 1425A	20.96	931.70	5.33	22.6	7.65	5.01	131.12
2) ——— 1428A	21.00	932.15	5.03	21.3	7.67	4.44	131.12
3) ——— 1431A	21.05	932.68	4.86	20.8	7.68	3.92	131.12

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250218 1435A	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS
——— 1436A	" (FB)	"	"	"	"
——— 1437A	607/Bromacil	ice	(1) 1L Amber	01199013	SRI
——— 1438A	Total Metals	ice/HNO3	(2) 125ml polys	N/A	ALS

Initial DTW: 131.00ft. Total gallons purged: 1.5

Continued from page N/A

Read and Understood By

Craig Del Ferraro — Signed
2/18/25 — Date
B-19
Jen Munch — Signed
2-19-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/18/25 Page 1 of 1

Sample Location: 300-A-170

Sample Number	# of Containers	Sample Matrix*	8260	607	Total Metals				Charge Number
250218 1250A (TB)	3	A	✓						XGMD
1435A	3	A	✓						4
1436A (FB)	3	A	✓						4
1437A	1	A		✓					4
1438A	2	A			✓				4

Sample Location:

Sample Number	# of Containers	Sample Matrix*							Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Oelfke	2/18/25/1510hrs.		[signature]	2-19-25 / 0845

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

WSTF 381C (05/2016)

Marcus Aucbos & 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 a 4,7,10 Buffer
Conductivity: Using a 1413 uS/cm STD.
Turbidity: Using a 10 NTU STD.

Transducer
PSI: 3.68
Temp: 20.72
Depth: 8.53

Parameters (Time)	Temp	Cond	DO	pH	ORP	Turb
250205 1400 c	20.87	793	5.67	8.31	19.4	1.39
— 1402 c	20.86	791	5.66	8.29	19.7	1.34
— 1404 c	20.86	793	5.68	8.28	19.7	1.37

SAMPLES

Sample #	Analysis	Preserv.	Container	Lot	LAB
250205 1410 c	VOA by 8260	Ice/HCl	(3) 40 ml Vial		ALS
— 1411 c	" " (FB)	"	"		"
— 1412 c	NDMA/DMN Bromocil by 607	Ice	(1) 1L Amber		SRI
— 1413 c	" " (Dup)	"	"		"
— 1414 c	Total metals	Ice/HNO3	(2) 125 ml Poly		ALS

NOTE: Discharge hose is Broke off and needs to be repaired.

FOW: 1 gal.

Continued from page

Read and Understood By

B-21

2-5-2025 Date

Signed

2-6-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2.5.2025 Page _____ of _____

Sample Location: 300-B-166

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	U08	607	Metals					Charge Number
										XGMD
250205 1410 c	3	A	1							
1411 c FB	3		4							
1412 c	1			4						
1413 c	1			4						
1414 c	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:
[signature]	2.5.2025 1450		[signature]	2-6-25 / 0815

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

Marcus Avalos & Robert Burrows present. Weather is partly cloudy, breezy, & cool. 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 prior to sampling.

Carboy Gal
30 Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250214091SY	VOA by 8260	HCl/Ice	(3)40 ml vials	2774	AL

Initial Parameters	Final	Meter ID
Time - 250214095OY	250214111OOY	PH/Cond - # 15
PH - 7.63	7.85	Turb - # 7
Temp - 18.7°C	19.3°C	= STD - 48.7 NTU
Cond - 1230 µs/cm	1289 µs/cm	= RDG - 49.7 NTU
Turb - 1.45 NTU	1.11 NTU	= LOT - A8333
PH pre - 7.03/10.05 (16.9°C)	7.02/10.04 (18.1°C)	= EXP - 2·28·25
PH post - 7.02/10.04	7.03/10.03	
DTW - 139.84'	139.95'	
Atmos - 12.32 psia	12.35 psia	
	IDW - 0.5 gal	

Buffers	lot	Exp
7	CC779793	8·25
10	CC783411	6·25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250214101OY	VOA by 8260	HCl/Ice	(3)40 ml vials	2774	AL
—— 1011Y	= (Dup)	=	=	=	=
—— 1012Y	607/Bromacil	Ice	(1)1L Amber	01199101J	SGS
—— 1040Y	Total Metals	HNO3/Ice	(2)125 ml poly	NA	AL

Runs	1)	2)	3)	4)
	15.54	15.51	15.50	15.52
	22.64	22.61	22.60	22.57
	22.62	22.57	22.59	22.54
	15.57	15.55	15.57	15.54

Continued from page

Read and Understood By

Signed _____ Date 2/14/25 B-23 Signed _____ Date 2-18-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: ~~2/5/24~~ NA 2/14/25 Page 1 of 1

Sample Location: 300 · E · 138

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	8270/Rso	TCLP Metals					Charge Number
250214091S4 (EB)	3	A	X							XGMD
10104	3		X							
10114	3		X							
10124	1			X						
10404	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]	2/14/25 @ 1110		[signature]	2-18-25 / 0830

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

WSTF 381C (05/2016)

Robert Burrows & Craig Del Ferraro present. Weather is cloudy, cool, and windy. 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 GI

Sample	Analysis	Preservative	Container	Lot	Lab
250214 1250Y	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS

Initial Parameters	Final	Meter ID
Time - 250214 1310Y	Time - 250214 1351Y	pH/Cond - 15
PH - 8.24	PH - 8.15	Turb - 7
Temp - 20.2°C	Temp - 20.4°C	" std - 48.7 uS
Cond - 983 us/cm	Cond - 975 us/cm	" rdg - 49.7 NT
Turb - 1.42 NTU's	Turb - 1.16 NTU's	" lot - A3333
pH pre - 7.04/10.02 (25.6°C)	pH pre - 7.01/10.03 (25.3°C)	" Exp - 2/28/25
pH post - 7.04/10.03	pH post - 7.03/10.00	
DTW - 139.95 ft.	DTW - 140.03 Ft	Buffers Lot Exp
Atmos - 12.25 psia	Atmos - 12.28 psia	7 CC779793 8/2
	IDW - 1/2 gal.	10 CC783411 6/2

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250214 1330Y	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS
——— 1331Y	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI
——— 1350Y	Total Metals	ice/HNO_3	(2) 125ml polys	N/A	ALS

Runs	1)	2)	3)
	35.13	35.12	35.11
	42.02	42.01	42.03
	41.98	42.02	42.03
	35.13	35.12	35.09

Continued from page N/A

Read and Understood By

Craig DelFerraro 2/14/25 B-25 Tom Munck 2-18-25
Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/14/25 Page 1 of 1

Sample Location: 300-E-183

Sample Number	# of Containers	Sample Matrix*	8260	607	Total Metals					Charge Number
Pertinent Notes (if any)										
250214 1250y (EB)	3	A	✓							XAMD
1330y	3	A	✓							"
1331y	1	A		✓						"
1350y	2	A			✓					"

Sample Location:

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

Analytical Requirement

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Ferro	2/14/25/1415hrs.			2-18-25/0830

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

WSTF 381C (05/2016)

PROJECT 400·EU·131 WJ1: ENV·131

Notebook No. D32#138c

Continued from page NA

AL MONTES & TONY TORREZ PRESENT. WEATHER IS COOL & CLEAR. THIS WELL WILL BE SAMPLED WITH A DEDICATED BLADDER PUMP. PARAMETERS TAKEN FROM AN INSITU AQUA TROLL. CARBOY G-2.

CALIBRATIONS WITH:
PH = 4, 7, 10 BUFFERS
COND: 1413 µS/cm STD
DO : 100% SATURATION
TURB: 10 NTU BUFFERS

DTW: 141.90 FT
IDW: 1gal

PARAMETERS	PH	COND µS/cm	DO	TURB	TEMP(°C)	ORP	DTW
250219 1000c	7.33	1246.3	5.77	0.52	18.4°c	131.4	141.90
1005c	7.31	1230.2	5.71	0.50	18.4°c	131.0	"
1010c	7.26	1239.9	5.63	0.49	18.3°c	130.6	"

SAMPLE#	ANALYSIS	SAMPLES PRESERV	CONTAINER	LOT#	LAB
250219 1020c	8260	ICE. HCL	2-40mL VIALS	2774	ALS
1024c	" (FB)	"	"	"	"

Continued from page NA

Read and Understood By

2.19.25

2-20-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-19-25 Page 1 of 1

Sample Location: 400.EV.131

Pertinent Notes (if any)

Analytical Requirement: 8260

Charge Number: XGMD

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number
250219 1020c	3	A	X	
— 1024c (FB)	3	A	X	

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Charge Number

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

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T.	2-19-25 / 1100			2-20-25 / 0900

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

WSTF 381C (05/2016)

AT NOTES & TONY TORRES PRESENT. WEATHER IS COOL & CLEAR. THIS WEEK WILL BE SAMPLED USING A DEDICATED BLADDER PUMP. PARAMETER WILL BE TAKEN FROM AN INSITU AQUA TROLL. NEW TEFLON DISCHARGE TUBE USED FOR SAMPLES CARBOY G-2

CALIBRATIONS WITH
PH = 7.4.10 BUFFERS
COND = 1413 µS/cm
DO = 100% SATURATION
TURB = 10 NTU STD

DTW - 129.66 FT
IDW - 1gal

PARAMETERS	PH	COND µS/cm	DO	TURB	ORP	TEMP °C	DTW
250219 1410c	7.32	1335.2	5.44	NA	139.5	20.71°C	129.60'
1415c	7.30	1340.1	5.40	NA	139.5	20.72°C	129.60'
1420c	7.25	1341.3	5.40	NA	140.1	20.82°C	129.60'

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINER	LOT #	CAS
250219 1430c	8260 (T-B)	ICE-HCl	3-40mL VIALS	27764	AC
1435c	"	"	"	"	"

Continued from page NA

Read and Understood By

2-19-25

2-20-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2.19.25 Page 1 of 1

Sample Location: 400·GV·125

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260							Charge Number: X6MD
250219 1430c	3	A	x							
1435c FB	3	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:
	2.19.25 3:23			2-20-25 0900

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

WSTF 381C (05/2016)

Robert Burrows & Dan Halvorsen present. Weather is partly cloudy and warm. This well will be purged and sampled using a dedicated bladder pump. Samples will be collected using a dedicated discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G3 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 20 NTU STD.

Initial DTW = 145.33 ft.
Final " = 145.80
IDW = 1/2 gal.

Parameters (Time)	Temp	Cond	DO	PH	ORP	Turb
250220 1340 A	20.66	1963	4.58	7.21	89.3	5.76
1342 A	20.65	1960	4.54	7.19	89.1	5.68
1344 A	20.65	1962	4.55	7.18	89.1	5.65

SAMPLES

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
250220 1348 A	VOA by 8260	HCl/HCl	(3) 40 ml VOA	2774	ALS
1349 A	" " (FB)	"	"	"	"

Continued from page

Read and Understood By

Signed

2.20.2025
Date

B-31

Signed

2-24-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-20-2025 Page _____ of _____

Sample Location: 4108-JV-150

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: UOR							Charge Number: XGMD
2502201348A	3	A	Y							
1349A FB	3	A	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]	2.20.2025 1410		[signature]	2-24-25 0830

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

WSTF 381C (05/2016)

Marcus Avalos & Robert Burrows present. Weather is clear & cool. 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 prior to sampling.

Carboy Gp. 1

30. Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250213104OY	VOA by 8260	HCl/Ice	(3)40 ml vials	2774	ALS

Initial Parameters		Final	Meter ID	
Time	250213130OY	250213144OY	pH/Cond	# 15
pH	8.05	7.65	Turb	# 7
Temp	21.4°C	19.5°C	= STD	48.7 NTU
Cond	1485 µS/cm	1638 µS/cm	= RDG	49.2 NTU
Turb	1.06 NTU	1.56 NTU	= LOT	A3333
pH pre	7.07/10.02 (18.8°C)	7.06/10.06 (18.9°C)	= EXP	2.28.25
pH post	7.05/10.03	7.05/10.04		
DTW	261.71'	261.80'	Buffers	lot / Exp
Atmos	12.42 psia	12.41 psia	7	CC779793 / 8.25
		IDW · 0.5 gal	10	CC783411 / 6.25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250213140Y	VOA by 8260	HCl/Ice	(3)40 ml vials	2774	ALS
1341Y	607/Bromacil	Ice	(1) 1L Amber	011990 IJ	SRI
1435Y	Total Metals	HNO3/Ice	(2) 125 ml poly	NA	ALS

Runs	1)	2)	3)	4)
	24.88	24.87	24.83	24.82
	51.52	51.47	51.36	51.34
	51.43	51.35	51.35	51.26
	24.86	24.84	24.82	24.80

Blind Controls

Sample #	Analysis	Preserve	Container	lot	lab
250213145OY	VOA by 8260	HCl/Ice	(3)40 ml vials	25BG040A	ALS
1451Y	607/Bromacil	Ice	(1) 1L Amber	25BG040B	SRI
1452Y	Total Metals	HNO3/Ice	(2) 125 ml poly	25BG040C	ALS

Continued from page

Read and Understood By

Signed — Date: 2.13.25 — B-33 — Signed — Date: 2-14-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/13/25 Page 1 of 1

Sample Location: 600 · E · 280

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607/Bro	T. Metals					Charge Number
250213104OY (EB)	3	A	X							XGMD
1340Y	3		X							
1341Y	1			X						
1435Y	2				X					
1450Y (BC)	3		X							
1451Y (BC)	1			X						
1452Y (BC)	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:
MA	2-13-25 @ 1500			2-14-25 / 0815

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

WSTF 381C (05/2016)

2/19/25

PROJECT 400-001-GW WJI ENV-0013

Notebook No. D32 #136(A) 17

Continued from page N/A

Robert Burrows, Dan Halvorsen, and Craig Del Ferraro present. Weather i clear & cool. This well was purged dry using a Bennett pump. After well recovers, samples will be collected using a teflon bailer. Carboy G3 in use.

Total depth: 160 Ft.
Initial DW: 136.82 Ft.
start purge: 0900 hrs.
stop purge: 0920 hrs.
Total gallons purged: 25
Final DTW:

Meter ID	Buffers	Lot	Exp
pH/Cond - 91	7	CC779793	6/25
Turb - 8	10	CC783411	8/25
" std - 9.50 NTU's			
" rdg - 9.58 NTU's			
" lot - A3333			
" Exp - 2/28/25			

Initial Parameters
Time - 250219/315A
pH - 7.58
Temp - 22.3°C
Cond - 1319 µS/cm
Turb - 8.28 NTU
pH pre - 7.06 - 10.11
pH post - 7.04 - 10.10
DTW - 149.20

Final
Time - 250219/340A
pH - 7.61
Temp - 22.3
Cond - 1321
Turb - 8.17
pHpre - 7.05 - 10.09
pHpost ~~- 149.30 Ft.~~ 7.04 - 10.09

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250219/320A	VOA by 8260	ice/HCl	(3) 40ml vials	2774	ALS
/321A	" (FB)	"	"	"	"
/322A	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI
/323A	SVOA by 8270D	"	(2) 500ml amb.	101121-1BME	ALS
/324A	Total Metals	ice/HNO3	(2) 125ml polys	N/A	"
/325A	Anions/Alk	ice	(2) 250ml polys	052024-2ERG	"
/326A	TDS by SM2540C	"	(1) 250ml poly	070824-2ERG	"
/327A	Perchlorate by 6850	"	(1) 125ml poly	081224-2ERD	"
/328A	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	050824-4ERI	"

Continued from page N/A

Read and Understood By

Signed — 2.19.2025 Date — B-35 — Signed — 2.20.25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-19-2025 Page _____ of _____

Sample Location: 100-001-GW

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	VOA	607	SVOC	Metals	Anions/DIW	TDS		Charge Number
										XGMD
250219 1320 A	3		X							
1321 A FB	3		X							
1322 A	1			X						
1323 A	2				X					
1324 A	2					X				
1325 A	2						X			
1326 A	1							X		

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Perchlorate	NO2/NO3						Charge Number
										XGMD
250219 1327 A	1	A	X							
1328 A	1			X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	2-19-2025 1420		[signature]	2-20-25 / 0900

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

WSTF 381C (05/2016)

Frank G + Negos & Tim Moore present. These Samples will be purged and sampled using a dedicated sampling pack & Carboy Blue front.

Parameters	Meter ID	Buffers	Lot #	Exp
Time 2302190831	PH/Cond - Blue front	7	CC779793	6/25
pH 7.75	Turb - Blue front	10	CC783411	8/25
Temp 22.8°C	" TD - 9.76			
cond 1430 us/cm	" RDG 9.77 NTU			
Turb 0.50 NTU	" Lot # - N/A			
Phpre 7.00 - 10.00 (20.1°C)	" Exp - 2/28/25			
PhPost - 7.02 - 10.00				

Samples

Sample #	Analysis	Pres	Lot #	Lab Cont
250219 0836	VOA by 8260D	ICE & HCL	N/A	A (5) 40 mL Vial
0837	" (FB)	"	"	"
0838	NDMA/DMN/Bromide by 607	ICE	"	SUMMA (1) Canister
0839	LL NDMA	"	"	"
0840	" (FB)	"	"	"
0841	5 VOA - Sim	ICE	"	A (5) 40 mL Vials
0842	PFAS	"	L427700BB	PACE (2) 500 mL poly (PFAS)
0843	" (FB)	"	"	"

NOTES: Samples were Taken from Effluent Sample port located on the N. East Corner of the Building Located next to the UV Tower and Building Backflow Prevention. All precautions were Taken for PFAS Sampling. Clothing, Shoes, and Hands Washed with PFAS Free Soap. Sample PPE was worn during Sampling.

Continued from page N/A

Read and Understood By

Signed 2-19-25 Date

B-37

Signed 2-19-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-19-25 Page 1 of 1

Sample Location: B 650 - EFF - 1

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/ 607 BROMACIL LOW LEVEL NDMA	TOTAL METALS	ANIONS / ALK	TDS SM2540C	Charge Number
250219 0836	3	A			X					XGMD
— 0837 (FB)	3	A			X					"
— 0838	1	A				X				"
— 0839	1	A					X			"
— 0840 (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	PFAS				Charge Number
250219 0841	1	A				X					XGMD
250219 0842	2	A					X				"
— 0843 (FB)	2	A					X				"

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	2-19-25 / 1025	[signature]	2-20-25 / 0900

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

10
PROJECT B650-INF-1

Notebook No. PFTS#13
Continued from page N/A

Frank Gallegos & Tim Moore present. These Samples will Be purged and taken using a dedicated sampling poly. carboy. "Blue Front"

Parameters	Meter ID	Buffers	Lot #	Exp
Time 250219093	pH/cond-Bluetront 7		CC779793	6/25
pH 7.13	Turb-Bluetront 100		CC783411	8/25
Temp 24.1 C	STD-9.76			
Cond ~~0.93 MTC~~ 1060 uS/cm	RDG-9.77			
Turb 0.93 NTU	Lot #-N/A			
ph pH 7.01-10.00 (21.2°)	Exp-~~Y/m/d/25~~			
Ph pOST				

Samples

Sample #	Analysis	Preg	Lot #	Cont	Cont
250219 0935	VOAs by 8260	1 cc & HCl	N/A	AG	(3) 40mL Vial
0936	" (FB)	"	"	"	"
0937	NDMA/DMN/BnBy 8270	1 cc	"	SWR	(1) 1L amber
0938	SVOA SIM	"	"	AG	(1) 250mL amber
0939	PFAS By EPA 1633	"		PACE	2) 500mL by PFAS free
0940	" FB	"		"	"

NOTES: Samples were collected from Influent port located Toward S. East corner of Building next to the Air Strippers. All precautions were taken for PFAS Sampling. Clothing, Shoes, and Hands (before Sampling) were Cleaned w/ PFAS Free Soap. No PPE was worn During Sampling.

Continued from page N/A

Read and Understood By

Signed — 19 Feb 2025 — B-39 — Signed — 2-19-25

Date — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-19-25 Page 1 of 1

Sample Location: B650-INF-1

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMNJ/BROMACIL 607 LOW LEVEL NDMA	TOTAL NITRATE	ANIONS / ALK	TDS SM2540C	Charge Number: XGMD
250219 0935		3	A	X						
— 0936 (FB)		3	A	X						
— 0937		1	A			X				

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 6850	NO2/NO3 353.2	SVOA-SIM 1,4 DIOXANE 8270	PFAS				Charge Number: XGMD
250219 0938		1	A			X					
— 0939		2	A				X				
— 0940 (FB)		2	A				X				

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	2-19-25 (1025)		2-20-25 / 0900

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

WSTF 381C (05/2016)

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 2502190841	PH/cond - Pine front 7		CC 779793	8/25
pH 7.82	Turb - Pine front / CO		CC 783411	8/25
Temp 21.9c		STD - 9.76		
Cond 1058 us/cm		RDG - 9.74 NTU		
Turb 0.43 NTU		LOT # N/A		
PH pre 7.00-10.01 (18.8c)		EXP - 2/28/25		
PH post - 7.02 - 10.02				

Samples

Sample #	Analysis	Lot #	LAB CONT
2502190853	VOA by 8260D(LL) / ICE, HCl	N/A	ALS (3) 40mL Vial
0954	" (FB)	"	"
0955	NDMA/DMN/8270 by 607 / ICE	"	SWRI (1) Chamber
0956	LC NDMA	"	"
0957	" (TB)	"	"
0958	" (FB)	"	"
0959	SVOA_SIM / ICE	"	ALS (1) 250mL Amber
1000	PFAS by EPA 533 Ice		PACE (2) 500mL Poly PFAS Free
1001	" FB		"

Notes: Samples were collected from the Effluent Sample Port located on the S. West corner of the building next to the UV Tower and UV PDC. All required precautions were taken with clothing, Glove Hand Cleaning with PFAS free Soap. All PPE was used during Sampling. Effluent water comes from the Influent Poly Surge Tank, that remains in Recirculation until Enough water is in the Poly Surge Tank. When level is reached in Surge Tank, water is then discharged out the Effluent side.

Continued from page N/A

Read and Understood By

Signed — Date 2-19-25 — B-41 — Signed — Date 2-19-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-19-25 Page 1 of 1

Sample Location: B655-EFF-2

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	VOA 8260	LL-VOA 8260LL	NDMA/DMN/ BROMACIL 607	Low Level NDMA	Total Metals	Anions / Alk	TDS SM2540C	Charge Number
250219 0953	3	A			x						XGMD
— 0954 (FB)	3	A			x						"
— 0955	1	A				x					"
— 0956	1	A					x				"
— 0957 (TB)	1	A					x				"
— 0958 (FB)	1	A					x				"

Sample Location:

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Perchlorate 6850	NO_2/NO_3 353.2	SVOA-SIM 1,4 Dioxane 8270	PFAS				Charge Number
250219 0959	1	A				x					XGMD
— 10000	2	A					x				"
— 10001 (FB)	2	A					x				"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	2-19-25 (1025)		[signature]	2-20-25 / 0900

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

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

Parameters	Meter ID	Buffers	Lot #	Exp
Time 2502/9/1005	pH/cond - Pinetorch	7	CC778725	6/25
pH 6.92	Turb - Pinetorch	10	CC783411	8/25
Temp 23.9°C	DO - 9.76			
cond 1132 us/cm	ORP - 9.74			
Turb 0.21 NTU	" LOT # N/A			
Phase 7.00 10.00 (20.2°C)	" Exp - 2/28/25			
PhPost - 7.02 / 10.02				

Samples

Sample #	Analysis	Pres	Lot #	Lab Cont.
250219 1010	VOAs 8260 (FB)	ICE HCl	N/A	ALS (3) 40mL vials
1011				
1012	NDMA/Omni/Bobyoq	ICE		SWRI (1) L+ amber
1013	SVOA SIM			ALS (1) 250mL amber
1014	PFAS by EPA 1633 Inc			PACE (2) 500mL Poly PFAS Free
1015	" Dup			
1016	" FB			

NOTES: Samples were Collected From The Influent Sample port Located on The N. West Corner of The Building next To The Poly Surge Tank. Influent Water Comes in To The Surge Tank Before processing.

All precautions were Taken with Clothing, Showers To be PFAS Free. All PPE was Worn During Sampling

Continued from page N/A

Read and Understood By

Signed — 19 Feb 2025 Date

Signed — 2-19-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-19-25 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/ALK	TDS SM2540C	Charge Number
250219 1010	3	A	X						XGMD
— 1011 (FB)	3	A	X						
— 1012	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	PFAS				Charge Number
250219 1013	1	A			X					XGMD
— 1014	2	A				X				
— 1015 (Dup)	2	A				X				
— 1016 (FB)	2	A				X				

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	2-19-25 (1025)		2-20-25 / 0900

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

PROJECT BLM·21·400 WJ1:ENV·0053

Notebook No. D32#138C

Continued from page n/a

AL MONTES & TONY TORREZ PRESENT. WEATHER IS WINDY & WARM. THIS WELL WILL BE SAMPLED W/A DEDICATED BLADDER PUMP. PARAMETERS TAKEN FROM AN INSITU AQUATROLL. CARBOY G-2

CALIBRATIONS

PH = WITH 4,7,10 BUFFERS

COND = WITH 1413 µS/cm STD

DO = IN 100% SATURATION

TURB = 10 NTU STANDARD

DTW = 338.25 CT

IDW = 1 gal

PARAMETERS	PH	COND µS/cm	DO	TURB (NTU)	ORP	TEMP °C	DTW
250218 1400C	9.89	1223		1.83		20.7	338.30
——— 1405C	9.70	1230		1.29		20.8	"
——— 1410C	9.79	1208		1.10		20.9	"

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINER	LOT #	LAB
250218 1420C	8260	ICE. HCl	3·40ML VIALS	2774	ALS
——— 1422C	" (FB)	"	"	"	"
——— 1425C	8260 (DUP)	"	"	"	"
——— 1430C	6007	ICE	1CT AMB.	0119901J	SRI
——— 1436C	TOTAL METALS	ICE. HNO_3	2·125mL Poly	NA	ALS

Continued from page NA

Read and Understood By

2·18·25

2-19-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2.18.25 Page 1 of 1

Sample Location: BLM.21.400

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	6007	TOTAL METALS					Charge Number
										XGMD
250218 1420c	3	A	x							
1422c (FB)	3	A	x							
1425c (DUP)	3	A	x							
1430c	1	A		x						
1436c	1	A			x					

Sample Location:

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

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	2.18.25 3:26 PM			2-19-25 0845

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

WSTF 381C (05/2016)

PROJECT Blm-23-431 ENV.0053

Notebook No. DSR #136 (A)

Continued from page _____

MATT GARCIA & TONY TORREZ PRESENT. THE WEATHER IS WINDY & WARM, BUT ACCORDING TO PEOPLE IN THE OFFICE NOT THAT BAD. THIS WELL WILL BE PURGED & SAMPLED USING A DEDICATED TEFLON BLADDER PUMP. SAMPLES COLLECTED FROM A TEFLON DISCHARGE TUBE. PARAM'S COLLECTED FROM AN INSITU AQUA TROLL 500, CAB# 6.3

CALIBRATIONS
DO SENSOR CAL'D IN 100% SATURATION
COND SENSOR CAL'D IN 1413 µS/cm STANDARD
PH SENSOR CAL'D IN 4, 7, 10 BUFFERS.
TURB SENSOR CAL'D IN ZONTE'S STANDARD

PARAMS

SAMPLE #	pH	COND	DO	ORP	TEMP	TURB
250211 1355A	7.28	1,255.9	2.48	30.0	20.66	1.17
1356A	7.33	1,257.0	2.30	26.4	20.68	1.20
1357A	7.33	1,258.4	2.24	26.0	20.66	1.20

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250211 1400A	8260	ICE/HCl	(3) 40 ml VIAL	ALS
1401A	M	"	"	"
1402A	607	ICE	(1) 1LT Amber	"
1403A	ANIONS/ALK	ICE	(2) 250ml poly	ALS
1404A	TDS	"	"	"
1405A	PERCHLORATE	"	(1) 125 ml poly	"
1406A	NO_2/NO_3	ICE/H_2SO_4	(1) 250 ml poly	"

Continued from page

Read and Understood By

T. [illegible] 2-11-25 B-47 [signature] 2-12-25

Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-11-25 Page 1 of 1

Sample Location: Bln 23 431

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260	607	AN-105 Air	TDS	Percolate	NO2/NO3		Charge Number
										X6MD
250211 1400A	3		X							
1401A	3		X							
1402A	1			X						
1403A	2				X					
1404A	1					X				
1405A	1						X			
1406A	1							X		

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	2-11-25 / 1500		[signature]	2-12-25 / 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 warm. 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 16 psi. First 350 ml will be discarded. Carboy 61 in use.

Trip Blanks

# Sample	Analysis	Preserve	Container	Lot	LAB
250206 0715 B	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2795	ALS
—— 0716 B	NORMA LL	Ice	(1) 1L amber	90103	SRL

Pre Sample Parameters	Sample Parameters	Meter ID
Time = 250206/1130 B	250206/1147 B	PH/Cond = 91
PH = 8.74	8.71	Turb = 8
Temp = 21.5°C	21.5	DO = 9.50
Cond = 996 us/cm	997	ORP = 9.56
PH Pre = 7.09-10.12	7.08-10.09	Lot = 43335
PH Post = 7.08-10.11	7.07-10.09	Exp = 2/25
Turb = 0.15 NTUs		

SAMPLES

# Sample	Analysis	Preserve	Container	Lot	LAB
250206/1149 B	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2795	ALS
—— 1151 B	NORMA LL	Ice	(1) 1L Amber	90103	SRL
—— 1358 B	" " (FB)	"	"	"	"
—— 1359 B	Total metals	Ice/HNO3	(2) 125 ml Poly	N/A	ALS
—— 1400 B	" " (MS)	"	"	"	"
—— 1150 B	VOA by 8260 (FB)	Ice/HCl	(3) 40 ml Vial	2795	"

IDW: 4 gal

Continued from page

Read and Understood By

Signed 2-6-2025 Date B-49 Signed 2-10-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-6-2025 Page _____ of _____

Sample Location: Rym-32-543

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA	UDMA LL	Metals					Charge Number
										XGMD
250206 0715 B TB	3	A	X							
1149	3		X							
1150 FB	3		X							
0716 B TB	1			X						
1151 B	1			X						
1358 B FB	1			X						
1359 B	2				X					

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Metals							Charge Number
										XGMD
250206 1400 B MS	2	A	X							

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	2-6-2025 1415			2-10-25 / 0815

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

WSTF 381C (05/2016)

PROJECT Rem-32-571 FLUTE ENV-0110

Notebook No. D32 #137 B

Continued from page _____

marcus Avalos & Dan Halvorsen present. Weather is clear and warm. 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 253 psi. Bubbler set at 3psi, stable at 6psi. First 350 ml will be discarded. Cartridge G1 in use.

Pre-Sample Parameters	SAMPLE Parameters	Meter ID
Time = 250206/1136 B	250206/1205 B	PH/COND = 911
pH = ~~2.44~~ 8.50	8.52	TURB = 8
TEMP = 20.9°C	20.8	STD = 9.50
COND = 965 us/cm	969	RDG = 9.56
TURB = 2.11 ntu's	1.98	LOT = A3333
pH Pre = 7.10 - 10.12	7.08 - 10.09	EXP = 2/25
pH Post = 7.09 - 10.18	7.08 - 10.09	

SAMPLES

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
250206/1209 B	VOA's 8260	ICE/HCl	(3) 40 ml VOA	2795	ALS
1210 B	" " (FB)	"	"	"	"
1211 B	NDMA LL	ICE	(1) 1L Amber	90/103	SRL
1410 B	" " (Dup)	"	"	"	"
1411 B	" " (FB)	"	"	"	"

IDW: 4 gal.

Continued from page

Read and Understood By

2-6-2025
Date

Signed

2-10-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-6-2025 Page _____ of _____

Sample Location: BLM-32-571

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: VOC	Analytical Requirement: NDMA GL	Charge Number
250206209 B		3	D	X		XGMD
1210 B	FB	3		X		
1211 B		1			X	
1410 B	DUP	1			X	
1411 B	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]	2-6-2025 1415		[signature]	2-10-25 0815

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

WSTF 381C (05/2016)

marcus Avalos and Dan Halvorsen present. Weather is Clear and warm. 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 6 psi. First 350 ml will be discarded. Cadoy 61 in use.

Pre-Sample Parameters		Sample Pressure	Meter ID
Time	= 250206 1141 B	250206 1230 B	pH/Cond = 91
pH	= 8.58	8.53	Turb = 8
Temp	= 20.9°C	20.8	SJD = 9.50
Cond	= 955 us/cm	960	ROG = 9.56
Turb	= 0.44 NTU's	0.49	Lot = A3333
pH pre	= 7.09-10.11	7.06-10.10	Exp = 2/25
pH post	= 7.09-10.11	7.06-10.09	

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250206 1235 B	Voa by 8260	Ice HCl	(3) 40 ml Vial	2795	ALS
1236 B	" " (FB)	"	"	"	"
1237 B	DDMA LL	Ice	(1) 1L Amber	901103	SRL
1238 B	" " (FB)	"	"	"	"

EOW: 4 gal.

Continued from page

Read and Understood By

Signed _____ Date 2-6-2025

Signed _____ Date 2-10-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2.6.2025 Page _____ of _____

Sample Location: BLM-32-632

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
										X6MD
250206 1235 B	3	A	X							
1236 B FB	3		X							
1237 B	1			X						
1238 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:
	2-6-2025 1415			2-10-25 / 0815

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

WSTF 381C (05/2016)

Robert Burrows & Dan Halvorsen present. Weather is cloudy and cold. This well will be purged and sampled 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. Cordy 63 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 20 NTU STD.

Initial DTW = 197.13 ft.
Final " = 197.26
TD = 2 gal.

Trip Blanks

Sample #	Analysis	Preserv.	Container	Lot	LAB
250220 0720A	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS

Parameters (Time)	Temp	Cond	DO	pH	ORP	Turb	DTW
250220 0910A	19.52	4122	0.73	12.38	-140	999	
" 0912A	19.51	4125	0.76	12.31	-147	"	
" 0914A	19.51	4123	0.75	12.29	-148	"	

SAMPLES

Sample #	Analysis	Preserv.	Container	Lot	LAB
250220 0920A	VOA by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS
" 0921A	NPMAIDMN Bromacil by (60)	Ice	(1) 1L Amber	0119901	SRL
" 0923A	SVOA by 8270D	"	(2) 500 ml Amber	101121	ALS
" 0923A	Total Metals	Ice/HNO3	(2) 125 ml Poly	N/A	"
" 0924A	Anions/Alk	Ice	(2) 250 "	052024	"
" 0925A	TDS	"	(1) "	070824	"
" 0926A	Perchlorate	"	(1) 125 ml Poly	081224	"
" 0927A	NO2/NO3	Ice/H2SO4	(1) 250 ml Poly	050824	"
" 0928A	VOA by 8260 (FB)	Ice/HCl	(3) 40 ml Vial	2774	"

* NOTE: Water is very Dirty!!

Continued from page

Read and Understood By

Signed _____ Date 2-20-2025

Signed _____ Date 2-24-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-20-2025 Page _____ of _____

Sample Location: BW-4-330

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOC	LOC	SVOC	Metals	Cations / Anions			Charge Number
										XGMD
250220072OA TB	3	A	X							
0920A	3		X							
0928A FB	3		X							
0921A	1			X						
0922A	2				X					
0923A	2					X				
0924A	2						X			

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: TDS	Perchlorate	NO3 / NO2					Charge Number
250220092SA	1	A	X							
0926A	1			X						
0927A	1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	2-20-2025 1000			2-24-25 / 0830

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

WSTF 381C (05/2016)

PROJECT MPE-1

Notebook No. PFTS #13 5

Continued from page N/A

Frank Gallegos & Tim Moore present. These samples will be pulled and taken at a dedicated sampling port. Carboy filled from

Parameters		Meter ID	Buffers	LOT#	Exp
Time	2502110820	pH/cond-Pheta 607		CC779795	9/25
pH	7.54	Turb-Pheta 607/60		CC783411	8/25
Temp	21.9°C	STD	9.50 NTU's		
cond	1289 us/cm	ROG	9.62 NTU's		
Turb	1.28 NTU's	LOT# - N/A			
PhPre	7.07/10.08 (15.1°C)	Exp - 2/28/25			
PhPost	7.08/10.10				

Samples

Sample #	Analysis	Pres	LOT#	LAB	Cont
2502110821	VOA by 8260	ICE & HCl	N/A	ALS	(3) 40ml Vial
0822	" (Dup)	"	"	"	"
0823	" (FB)	"	"	"	"
0824	NDMA/DMN/8 by 607	ICE	"	SWR	(1) Chamber

Continued from page N/A

Read and Understood By

Craig Del Tempo — Signed — 2/11/25 — Date

B-57

Tom Murdoch — Signed — 2-11-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/11/25 Page 1 of 1

Sample Location: MPE-1

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMNA/1,4 BROMACIL LOW LEVEL NDMA	TOTAL METALS	ANIONS/ALK	TDS SM2540C	Charge Number
2502110821	3	A		✓						XGMD
0822 (Dupl.)	3	A		✓						4
0823 (FB)	3	A		✓						4
0824	1	A				✓				4

Sample Location:

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: PERCHLORATE 16850	NO_2/NO_3 353.2	SVOA-SIM 1,4 DIOXANE 8270	Charge Number
							XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig DelZuno	2/11/25/1015 hrs.	[signature]	2-12-25/0830

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

Frank Gallegos & Tim Moore present. These samples will be purged and taken using a dedicated sampling port. Calloy "Blue Front"

Parameters	meter ID	Buffers	Lot #	Exp
Time - 250211 0840	pH/cond - Blue Front 7		CC779793	6/25
pH - 7.43	Turb - Blue Front 10		CC783411	8/25
Temp - 18.8°C	" STD - 9.50 NTU's			
Cond - 1240 uS/cm	" QDG - 9.62 NTU's			
Turb - 0.67 NTU's	" Lot # N/A			
pH Pre - 7.08/10.09 (18.0°C)	Exp - 2/28/25			
pH Post - 7.09/10.09				

Samples

Sample #	Analysis	Pres	Lot #	LAB cont.
250211 0841	VOA's 8260B	ICE & HCl	N/A	ALS (5) 40mL Vials
——— 0842	" (FB)	"	"	"
——— 0843	NDMA / DMN / Bioby 607	ICE	"	SWRI (1) Cl Amber
——— 0844	" (Dupl.)	"	"	"

Continued from page N/A

Read and Understood By

Craig Deltenre 2/11/25 B-59 Signed Tim Moore 2-11-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/11/25 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/DMN/BROMACIL 607 Low Level NDMA	TOTAL NITRATE ANIONS/MW	TDS SM2540C	Charge Number
2502110841	3	A	✓					XGMD
0842 (FB)	3	A	✓					"
0843	1	A			✓			"
0844 (Dupl)	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 DeFreese	2/11/25/1015hrs.	[signature]	2-12-25 /0830

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

Frank Colleges & TM Moore present. These samples will be pulled and taken from a dedicated sampling port. Carboy "Pine front"

Parameters	Meter ID	Buffers	LOT #	Exp
~~TIME~~ 250211 0900	pH/cond - Pine front 7		CC 779283	9/25
pH 7.45	Turb - Pine Front / CO		CC 783411	8/25
Temp 18.7°C	" STD 9.50 NTU's			
cond 1220 us/cm	" RDG 9.62 NTU's			
Turb 0.47 NTU's	" LOT # N/A			
Ph Pre 7.06/10.08 (20.1°C)	" Exp 2/28/25			
Ph Post 7.06/10.09				

Samples

Sample #	Analysis	Pres	LOT #	LAB Cont
250211 0901	VOAs by 8260	cool HCl	N/A	ALS (3) 40 mL Vial
—— 0902	N/A " (FB)	"	"	"
—— 0903	NWMA/DMN/BIOBY6007	ICE	"	SWRI (1) Cooler

Continued from page N/A

Read and Understood By

Craig Del Fuco — Signed — 2/11/25 — Date

B-61

Tom Mundz — Signed — 2-11-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/11/25 Page 1 of 1

Sample Location: MPE-10

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/BROMACIL 607 LOW LEVEL NDMA	TOTAL METALS	ANIONS/ALK	TDS SM2540C	Charge Number
250211 0901	3	A		✓						XGMD
0902 (FB)	3	A		✓						u
0903	1	A				✓				u

Sample Location:

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	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:
Craig Deltrino	2/11/25/1015hrs.	[signature]	2-12-25 / 0830

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

WSTF 381C (05/2016)

Frank Gallegos & Tim Moore present. These samples will be purged and taken using a dedicated sampling port. Carboy "Blue Front"

Parameters	meter ID	Buffers	Lot #	Exp
Time-2502110925	pH/Cond-Blue Front		CC779793	6/25
pH- 7.64	Turb-Blue Front/CO		CC7834M	8/25
Temp- 22.5°C	STD- 9.50 NTU's			
cond- 949 us/cm	RDG- 9.62 NTU's			
Turb 3.19 NTU's	LOT# N/A			
pH pre-7.05/10.07/20.6	Exp- 2/28/25			
pH POST-7.03/10.06				

Samples

Sample #	Analysis	pres	Lot #	VAR cont
2502110926	VOA's 8260	ICE/HCl	N/A	AIS (3) 40 ml Vial
0927	(FB)	"	"	"
0928	NUMA/Sum/Radium 007	ICE	"	SWRI (1) Liter Amber

Continued from page N/A

Read and Understood By

Craig DeTemple 2/11/25 B-63 Tom Mundt 2-11-25
Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/11/25

Sample Location: MPE-11

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
2502110926	3	A	✓						XGMD
0927 (FB)	3	A	✓						"
0928	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 McFarland	2/11/25 / 1015 hrs.	[signature]	2-12-25 / 0830

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

MATT GARCIA & TORREZ, TONY PRESENT. THE WEATHER IS cloudy & cool. THE WELL WILL BE purged & SAMPLED USING A TEFLON BLADDER PUMP. SAMPLES COLLECTED FROM A TEFLON discharge TUBE. PARAM's COLLECTED FROM AN INSITU AQUA TROLL 500. CARBOY 6.3

CALIBRATIONS

DO SENSOR CALIBRATED IN 100% SATURATION
COND SENSOR CALIBRATED IN 1413 µS/cm STANDARD
pH SENSOR CALIBRATED IN 4, 7, 10 BUFFERS
TURB SENSOR CALIBRATED IN 20 NTU's STANDARD

PARAM's

~~SAMPLE #~~	pH	ORP	DO	COND	TURB	TEMP
250214 1240A	7.17	161.7	4.37	888.54	1.53	20.66
" 1241A	7.19	161.0	4.38	888.78	1.70	20.66
" 1242A	7.19	162.1	4.38	888.80	1.21	20.66

SAMPLES

~~SAMPLE #~~	ANALYSIS	PRESERV	CONT	LAB
~~250214~~ 1245A	8260 (FB)	ICE/HCl	(3) 40ml VOAs	ALS
" 1246A	" (FB)	"	"	"
" 1247A	6LMDmA	ICE	(1) 1LT AMBER	SRL
" 1248A	" (FB)	"	"	"

Continued from page

Read and Understood By

Signed 2-14-25 Date B-65 Signed 2-18-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-14-25 Page 1 of 1

Sample Location: NASA 3

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
			8260C	CHyDmA						X6mD
250214 1245A	3	A	X							
FB 1246A	3		X							
1247A	1			X						
1248A 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:
	2-14-25 1300			2-18-25 0830

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

PFAS sampling event.

6

PROJECT BLM-6-488 WJI ENV-0053

Notebook No. D32 #138 (C)

Continued from page N/A

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a (PFAS free) discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy #3 in use.

Calibrations

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

*This is a PFAS sampling event. All necessary precautions have been taken by the sampling crew to avoid contamination - including PFAS free laundry detergent, bar soap, liquid soap (sanitizer) and no food or drink permitted within the immediate sampling area.

Parameters (time)	temp (C)	cond (us/cm)	DO	ORP	PH	Turb (NTU's)	DTW (ft.)
1) 250224 1020C	20.72	1396.0	2.20	12.7	7.31	2.53	360.00
2) ——— 1023C	20.79	1394.4	2.16	13.4	7.33	2.22	360.00
3) ——— 1026C	20.86	1391.8	2.11	15.0	7.34	1.89	360.02

PFAS Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250224 1030C	PFAS by EPA 1633	ice	(2) 500ml plastic	L427001	BB PA
——— 1031C (FB)	"	"	"	"	"

Initial DTW: 359.70ft. Total gallons purged: 2

Continued from page N/A

Read and Understood By

Craig Del Ferro 2/24/25 B-67 Signed Dan Halvorsen 2-26-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/24/25 Page 1 of 1

Sample Location: BLM-6-488

Pertinent Notes (if any): PFAS Sampling

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PFAS / EPA 1633							Charge Number
250224 1030C	1	A	✓							XGMD
1031C (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 Terzo	2/24/25 1050 hrs.		[signature]	2/24/25 1500

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

WSTF 381C (05/2016)

PFAS Sampling Event 2/24/25

PROJECT WW-1-452 WIIENV-0053

Notebook No. D32 #138(C) 5

Continued from page N/A

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & cool. This well will be purged using a dedicated bladder pump. Samples will be collected using a (PFAS free) discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500.

Calibrations

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

*This is a PFAS sampling event. All necessary precautions have been taken by sampling personnel to avoid contamination. PFAS free laundry detergent, bar soap, liquid sanitizer, and no food or drink within the immediate sample area.

Parameters (time)	Temp (°C)	cond (us/cm)	DO	ORP	PH	Turb (NTUs)	DTW (ft)
1) 250224 0840C	20.75	997.06	6.69	129.9	7.29	1.34	428.04
2) ——— 0843C	20.81	997.56	6.40	131.2	7.28	1.23	428.04
3) ——— 0846C	20.83	998.10	6.12	132.1	7.28	1.13	428.04

PFAS Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250224 0850C	PFAS by EPA 1633	ice	(2) 500 ml plastic	L427001BB	PAC
——— 0851C (FB)	"	"	"	"	"

*Carboy G3 in use.

Initial DTW: 428.00 ft. Total gallons purged: 2

Continued from page N/A

Read and Understood By

Craig Del Ferraro 2/24/25 B-69 Per U Munck 2-25-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/24/25 Page 1 of 1

Sample Location: WW-1-452

Pertinent Notes (if any): PFAS Sampling

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PFAS/EPA 1633							Charge Number
250224085OC	2	A	✓							XGMD
0851C (FB)	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 DelTorro	2/24/25 1050hrs.		[signature]	2/24/25 1500

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

2/24/25 (PFAS)

PROJECT 200-F-225 WJI ENV-0020

Notebook No. D64 # 133(Y)

Continued from page NA

Matt Garcia & Robert Burrows Present. This zone sampled using 5 Pre cleaned & triple rinsed stainless sample tubes. Gen in use. Probe #1539. Surface checks prior to sample event. Heavy traffic, weather clear & warm.

30 min EQ Blanks Carboy G2

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250224092OY	PFAS	Ice	(2) 500 mL Poly	24270018	PACE

Parameters	Final	Meter I.D
Time - 250224100OY	250224110OY	pH/cond - 92
pH - 8.23	7.88	Turb - 20
Temp - 21.7°C	21.5°C	" STD - 10.2 NTU's
Cond - 1030 us/cm	1202 us/cm	" RDG - 10.7 NTU's
Turb - 2.27 NTU's	2.12 NTU's	" Lot - A3333
pH pre - 7.10, 10.06 (21.0°C)	7.07, 10.05 (21.1°)	" EXP - 2/28/25
pH post - " "	7.05, " "	
DTW - 181.90 ft.	181.97 ft	
ATMOS - 12.42 psia	12.44 psia	

Sample

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250224104OY	PFAS	Ice	(2) 500 mL Poly	24270018	PACE

Runs:	1)	2)	3)
	35.16	34.20	35.02
	42.37	42.01	41.06
	40.42	40.21	40.00
	35.12	34.21	35.15

Continued from page

Read and Understood By

Matt Garcia — 2/24/25 — Signed / Date

B-71

Jon Munck — 2-25-25 — Signed / Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/24/25 Page 1 of 1

Sample Location: 200-F-225

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	PFAS							Charge Number
250224 0920 (EB)	2	A	X							XCMD
1040	2	A	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]	2/24/25 1115hrs		[signature]	2/24/25 1500

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

WSTF 381C (05/2016)

2/24/25 (PFAS)

Matt Garcia & Robert Burrows Present. This zone sampled using 5 pre cleaned & triple rinsed stainless sample tubes. Gen in use. Probe # 1539 surface checks prior to sample event. Heavy traffic & weather is clear and warm.

30 min EQ Blanks Carboy G7

Sample	Analysis	Preserv	cont.	Lot	Lab
250224/1545Y	PFAS	Ice	(2) 500 mL Poly	L427001B3	PAC

Parameters	Final	Meter ID
Time 250224/1620Y	250224/1700Y	PH/Cond - 92
PH - 7.13	7.60	Turb - 20
Temp 21.7°C	21.4°C	1. STD - 10.2 NTU
Cond - 1169 uS/cm	1279 uS/cm	1. RDG - 10.7 NTU
Turb - 2.23 NTU's	1.58 NTU's	1. Lot - A3333
PH Pre 7.01, 10.05 (25.9°C)	7.02, 10.05 (25.7°C)	1. Exp - 2/28/2
PH Post 7.00, 10.060	" "	
DTW - 218 ft	218.10 ft	
ATMOS. 12.41 psia	12.42 psia	

Sample

Sample	Analysis	Preserv	cont.	Lot	Lot
250224/1650Y	PFAS	Ice	(2) 500 mL Poly	L427001B3	PAC

Runs.-	1)	2)	3)
	12.37	12.31	12.39
	23.38	23.33	23.38
	23.37	23.31	23.08
	12.32	12.30	12.34

Continued from page

Read and Understood By

Matt Garcia 2/24/25 Date

B-73

Signed

2-25-25 Date

2/24/25 (PFAS)

PROJECT 200-H-225 WSI ENV-0020

Notebook No. D64 # 133(Y) 63

Continued from page NA

Matt Garcia & Robert Burrows Present. This zone sampled using 5 pre cleaned & triple rinsed stainless sample tubes. Gen in use. Probe #1539. Surface checks prior to sample event. Heavy traffic & weather is clear & warm.

30 min EQ Blanks carboy G2

Sample	Analysis	Preserv.	cont.	Lot	Lab
250224 1325Y	PFAS	Ice	(2) 500mL Poly	L42700 1BTS	PACE

Parameters	Final	Meter ID
Time - 250224 1410Y	250224 1450Y	PH/cond - 92
PH - 7.00	7.28	Turb - 20
Temp - 22.4 °C	21.6 °C	" STD - 10.2 NTU
Cond - 1190 us/cm	1237 us/cm	" RDG - 10.7 NTU
Turb - 1.03 NTUs	1.61 NTUs	" LOT - A3333
PHpre - 6.89, 10.05 (26.4°C)	6.98, 10.03 (26.5°C)	" EXP - 2/28/25
PHpost - " "	" "	
DTW - 44.13 ft	44.25 ft	
ATMOS - 12.41 psia	12.44 psia	

Sample

Sample	Analysis	Preserv	cont.	Lot	Lab
250224 1430Y	PFAS	Ice	(2) 500mL Poly	L42700 1BTS	PACE

Runs -	1)	2)	3)
	94.57	94.21	94.26
	42.24	42.21	42.25
	42.25	43.01	42.25
	94.19	94.83	94.41

Continued from page

Read and Understood By

Matt Garcia — 2/24/25

Ben Munck — 2-25-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/24/25 Page 1 of 1

Sample Location: 200-H-225

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PFAS							Charge Number
250224 1325Y (EB)	2	A	X							XGMD
1430Y	2	A	X							↓

Sample Location: 200-G-175

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PFAS							Charge Number
250224 1545Y (EB)	2	A	X							XGMD
1650Y	2	A	X							↓

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt	2/24/25 1720hrs			2/27/25 15:25 SMP

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

WSTF 381C (05/2016)

PFAS sampling event 2/24/25

PROJECT ST-1-541 WJI ENV-0053

Notebook No. D32 #138(C) 7

Continued from page N/A

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a (PFAS free) discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500.

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.

*This is a PFAS sampling event. All necessary precautions have been taken by the sampling crew to avoid contamination — including PFAS free laundry detergent, bar soap, liquid soap (sanitizer) and no food or drink permitted within the immediate sampling area.

Parameters (time)	temp (c)	cond (us/cm)	ORP	DO	PH	Turb (NTU's)	DTW (ft.)
1) 250224 1440C	21.30	1137.0	-52.7	7.30	7.91	0.59	477.93
2) ——— 1443C	21.36	1135.5	-51.0	7.16	7.90	0.55	477.93
3) ——— 1446C	21.41	1134.2	-49.8	6.98	7.90	0.46	477.93

PFAS Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250224 1450C	PFAS by EPA 1633	ice	(2) 500ml plastic	L427001BB	PACE
——— 1451C (Dup.)	"	"	"	"	"
——— 1452C (FB)	"	"	"	"	"

Initial DTW: 477.78 ft. Total gallons purged: 2

Continued from page N/A

Read and Understood By

Craig Del Ferraro 2/24/25 Jon Munch 2-25-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/24/25 Page 1 of 1

Sample Location: ST-1-541

Pertinent Notes (if any): PFAS sampling event.

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PFAS / EPA 1633	Charge Number
250224/450C	2	A	✓	XGMD
1451C (Dupl)	2	A	✓	"
1452C (FB)	2	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 Terro	2/24/25/1530hrs.		[signature]	2/27/25 1525

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

Tony Tarrez & Dan Halvorsen present. Weather is clear, warm and breezy. 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. Cartboy G1 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 20 NTU STD.

Initial DTW = 287.20 ft.
Final " 287.49
EDW = 1.5 gal.

Parameters (Time)	Temp	Cond	Do	PH	ORP	Turb	DTW
250226 1030	21.52	786	4.73	9.53	78.6	1.30	287.25
—— 1032	21.51	780	4.76	9.49	78.2	1.26	287.33
—— 1034	21.51	781	4.72	9.50	78.3	1.22	287.40

SAMPLES

Sample #	analysis	Preserve	Container (PFAS Free)	Lot	LAB
250226 1040	PFAS	Ice	(2) 500 ml Poly	~ 10	PACE
—— 1041	" (MS)	"	" "	"	"
—— 1042	" (FB)	"	" "	"	"

Continued from page

Read and Understood By

2-26-2025

3-3-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-26-2025 Page _____ of _____

Sample Location: 100-C-365

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*							Charge Number
250226104OA	2	A	X						
1041A MS	2		X						
1042A FB	2		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:
	2-26-2025 1100		S Caldwell	2/28/25 12:15

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

WSTF 381C (05/2016)

PFAS Sampling Event

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PROJECT BLM-14-327 WJI ENV-0053

Notebook No. D32 #138 (C)

Continued from page N/A

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & cool. This well will be purged using a dedicated bladder pump. Samples will be collected using a (PFAS free) discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy GI 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.

*this is a PFAS sampling event. All necessary precautions have been taken by the sampling crew to avoid possible contamination including PFAS free laundry detergent, bar soap, liquid soap, and no food or drink permitted within the immediate sampling area.

Parameters (time)	temp (c)	cond (us/cm)	ORP	DO	PH	Turb (NTU's)	DTW (Ft)
1) 250225 0830C	20.71	1173.0	168.9	5.66	7.31	1.17	278.12
2) ——— 0833C	20.69	1152.5	170.3	5.34	7.28	1.05	278.12
3) ——— 0836C	20.76	1138.8	172.6	5.12	7.27	0.96	278.12

PFAS Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250225 0840C	PFAS by EPA 1633	ice	(2) 500ml pl.	L427001	BB PAC
——— 0841C (FB)	" (FB)	"	"	"	"

Initial DTW: 277.88 Ft. Total gallons purged: 2

Continued from page N/A

Read and Understood By

Craig Del Ferraro 2/25/25 — Signed / Date

Paul Munck 3-3-25 — Signed / Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/25/25 Page 1 of 1

Sample Location: BLM-14-327

Pertinent Notes (if any): PFAS Sampling Event

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PFAS/EPA 1633							Charge Number
250225084OC	2	A	✓							XGMD
0841C (FB)	2	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 Del Toro	2/25/25 / 1040hrs.		[signature]	2/28/25 / 11:20

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

WSTF 381C (05/2016)

PTH> Sampling event 2/25/25

PROJECT BLM-3-182 WJI ENV-0053

Notebook No. D32 #138(C) 9

Continued from page N/A

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Sample will be collected using a (PFAS free) discharge hose. Water quality parameters will be monitored using an In-Situ Aqua TroII 500.

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.

*this is a PFAS sampling event. All necessary precautions have been taken by the sampling crew to avoid possible contamination. This includes PFAS free laundry detergent; bar soap, liquid soap, and no food or drink permitted within the immediate sampling area. BLM-3 is located just a few feet from a major roadway on site. Exhaust from these vehicles will likely be present within the sampling area.

Parameters (time)	temp(°C)	cond(us/cm)	ORP	DO	PH	Turb(NTU's)	DTW (ft.
1) 250225 1000C	21.19	3793.0	141.2	1.32	8.03	3.97	178.71
2) ——— 1003C	21.25	3809.5	140.4	1.30	8.04	4.02	178.71
3) ——— 1006C	21.29	3822.2	138.8	1.26	8.04	3.70	178.71

PFAS Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250225 1010C	PFAS by EPA 1633	ice	(2) 500ml pl.	L427001BB	PACE
——— 1011C	" (FB)	"	"	"	"

*Carboy GI in use.

Initial DTW: ~~177.88 ft.~~ 178.39 ft. EO

Total gallons purged: 1

Continued from page N/A

Read and Understood By

Craig DelFerraro 2/25/25 B-82

Ben Munch 3-3-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/25/25 Page 1 of 1

Sample Location: BLM-3-182

Pertinent Notes (if any): PFAS Sampling Event

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PFAS / EPA 1633							Charge Number
250225 1010C	2	A	✓							XGMD
1011C (FB)	2	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 Fierro	2/25/25 / 1040hrs		[illegible]	11:25 / 2/28/25

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

PFAS sampling event 2/25/25

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PROJECT 100-D-176 WJI ENV-0053

Notebook No. D32 #138 (C)
Continued from page N/A

Dan Halvorsen, Tony Torrez, & Craig Del Ferraro present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a (PFAS free) teflon discharge hose. Water quality parameters will be monitored using an In-Situ Aqua Troll 500 Carboy GI 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.

This is a PFAS sampling event. All necessary precautions have been taken by the sampling crew to avoid possible contamination – including PFAS laundry detergent, bar soap, liquid soap (sanitizer), and no food or drink permitted within the immediat sampling area.

Parameters (time)	Temp (°C)	Cond (us/cm)	ORP	DO	PH	Turb (NTU's)	DTW (ft.)
1) 250225 1404C	21.48	2501.0	101.8	0.28	8.22	1.42	186.75
2) ——— 1406C	21.47	2505.2	100.0	0.26	8.19	1.40	186.75
3) ——— 1408C	21.48	2500.6	100.9	0.25	8.20	1.27	186.75

PFAS Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250225 1415C	PFAS by EPA 1633	ice	(2) 500ml p/a.	L427001BB	PACE
——— 1416C	" (FB)	"	"	"	"

Initial DTW: 186.68 ft. Total gallons purged: 1

Continued from page N/A

Read and Understood By

Craig Del Ferraro 2/25/25 Dan Halvorsen 3-3-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-25-2025 Page _____ of _____

Sample Location: 100-D-176

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PFAS							Charge Number
Pertinent Notes (if any)										
250225 1415	2	A	✓							
1416 FB	2	1	✓							

Sample Location:

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

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	2.25.2025 1500		[signature]	2/28/25 11:55

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

2/26/25 (PFAS)

PROJECT 200-D-240 WJI ENV-0053

Notebook No. D32 #138 (C) 11

Continued from page N/A

Matt Garcia & Robert Borrows present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a (PFAS) free teflon discharge hose. Water quality parameters will be monitored using an In-situ Aqua troll 500. Carboy -GR

Calibrations

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

* This is a PFAS sampling event. All necessary precautions have been taken by the sampling crew to avoid possible contamination - including PFAS laundry detergent, bar soap, liquid soap (sanitizer), and no food or drink permitted within the sampling area.

Parameters (Time)	Temp (°C)	Cond (us/cm)	ORP	DO	PH	Turb (NTUs)	DTW (FT
250226 1000C	20.84	1202	89.8	4.06	7.23	0.61	127.6
——— 1005C	20.81	1999	92.0	4.05	7.24	0.21	"
——— 1010C	20.88	1992	93.2	4.05	7.22	0.63	"

PFAS Samples

Sample	Analysis	Preserv.	Cont.	Lot.	Lab
250226 1015C	PFAS	Ice	(2) 500 mL poly	LH2700188	PACE
——— 1016C	" (FB)	"	"	"	"

Initial DTW = 127.66 ft

Total gal. Purged = 2

Continued from page

Read and Understood By

Craig DeTienne 2/26/25

Ron Munch 3-3-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/26/25 Page 1 of 1

Sample Location: 200-D-240

Analytical Requirement: PFAS

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Charge Number
250226 1015C	2	A	XGMD
1016C (FB)	2	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:
[signature]	2/26/25 1115hrs		[signature]	2/28/25 12:05

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

WSTF 381C (05/2016)

2/26/25 (PFAS)

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PROJECT 200-B-240 WSI ENV-0053

Notebook No. D32# 138 (c)
Continued from page N/A

Matt Garcia & Robert Burrows present. Weather is clear & warm. This well will be purged using a dedicated bladder pump. Samples will be collected using a (PFAS) Free teflon discharge hose. Water quality parameters will be monitored using an In-Situ AquaTroll 500. Carboy - GZ

Calibrations
DO - calibrated in 100% saturation
Cond: " using 1413 us/cm S+D.
pH - " " 4, 7, 10 Buffers
Turb. - " " 20 NTU S+D.

* This is a PFAS sampling event. All necessary precautions have been taken by the sampling crew to avoid possible contamination. - including PFAS laundry detergent, bar soap, liquid soap (sanitizer), and no food or drink permitted within the

Parameters (Time)	Temp (°C)	cond (us/cm)	ORP	DO	pH	Turb (NTU)	DTW (FT)
250226 1440C	21.94	1134.0	46.4		7.27	1.04	Trans
—— 1445C	22.01	1133.2	48.4		7.28	1.24	"
—— 1450C	21.92	1132.6	54.0		7.28	1.80	"

PFAS samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250226 1500C	PFAS	Ice	(2) 500mL Poly	L427001 BB	PACE
—— 1501C	" (FB)	"	"	"	"

Transducer - 24.62 psi; 22.52 °C; 56.89 ft

TOTAL gal. Purged - 1 gal.

Continued from page

Read and Understood By

Matt Garcia 2/26/25

Ron Munds 3-3-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/26/25 Page 1 of 1

Sample Location: 200-B-240

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PFAS							Charge Number
250226 1500C	2	A	X							XGMD
1501C (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:
Matt	2/26/25 1535hrs			2/28/25 12:20

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

WSTF 381C (05/2016)

2/25/25 (PFAS)

Notebook No. DL04 #133(Y) 65

PROJECT 700-H-350 WSI ENV-0020

Continued from page NA

Matt Garcia & Robert Burrows present. This zone sampled using 5 pre cleaned & triple rinsed stainless sample tubes. Genin use Probe #1539 surface checks prior to sample event. Weather is clear & warm.

30min EQ Blanks G3

Sample	Analysis	Preserv	Cont	Lot	Lab
250225 0900Y	PFAS	Ice	(2) 500mL Poly	L42700188	PA

Parameters	Final	Meter ID
Time - 250225 0945Y	250225 1015	PH/cond - 9Z
PH - 8.15	8.45	Turb - Z0
Temp - 22.8°C	22.7°C	" STD - 10.2 NTU
Cond - 946 us/cm	966 us/cm	" RDG -
Turb - 1.70 NTUs	1.92 NTUs	" Lot - A3337
PH Pre - 7.01, 10.10 (19.6°C)	7.03, 10.04 (20.9°C)	" EXP - 2/28/25
PH Post - " "	" "	
DTW - 288.20	288.49 ft	
ATMOS - 12.30 psia	12.32 psia	

Sample

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250225 1005Y	PFAS	Ice	(2) 500 mL Poly	L42700188	PACE

Runs. 1) 43.19
64.21
64.78
43.22

2) 43.26
64.27
64.84
43.26

Continued from page

Read and Understood By

Matt Garcia 2/25/25 B-90

Signed Date

Signed Date 3-3-25

2/25/25 (PFAS)

66

PROJECT 600-G-138 WSI ENV-0013

Notebook No. DX04 # 133(Y)

Continued from page NA

Matt Garcia & Robert Burrows Present. This well was purged dry the morning ~~of~~ of 2/25/25 @ 0705 hrs. Using a bennett pump with PFAS free tubing for discharge. Let recover & purged 3 gallons of water before sampling. Weather is Clear & warm. Carboy G3

Parameters	Final
250225 1050Y	250225 1058Y
PH - 6.76	6.98
Temp - 19.5°C	20.5°C
cond - 1893 us/cm	1911 us/cm
Turb - 1.14 NTU's	0.67 NTU's
PH Pre - 6.93. 10.01 (22.3°C)	6.97. 9.87 (21.1°C)
PH Post - " "	" "
DTW - 145.09 ft.	147.65

Meter ID

PH/Cond - 92

Turb - 20

STD - 10.2 NTU

RDG .107 NTU's

Lot - A3337

EXP - 2/28/25

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250225 1055Y	PFAS	ICE	(2) 500ML Poly	L427001BB	PAS
1056Y	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia 2/25/25 Date

B-91

Signed

3-3-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/25/25 Page 1 of 1

Sample Location: 600-G-138

Analytical Requirement: PFAS

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Charge Number
250225105SY		2	A	XGMD
10506Y	(FB)	2	A	↓

Sample Location: 700-H-350

Analytical Requirement: PFAS

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Charge Number
250225090QY	(EB)	2	A	XGMD
1005Y		2	A	↓

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt	2/25/25 1111	hrs		2/28/25 11:44

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

WSTF 381C (05/2016)

2/25/25 (PFAS)

Notebook No. DOH #133(Y) 67

PROJECT WB-1-330 WJI ENV-0020

Continued from page NA

Matt Garcia & Robert Burrows present, weather is clear & warm. This zone sampled using 5 pre-cleaned & triple rinsed Stainless sample tubes. Gen. in use. Probe #1539. Surface checks prior to sample event.

30 min EQ Blanks + carboy G3

Sample	Analysis	Preserv.	cont.	Lot	Lab
250225 1400Y	PFAS	Ice	(2) 500 mL Poly	L42700, B5	PACE

Parameters	Final	Meter ID
Time 250225 1440Y	250225 1458Y	PH/cond - 92
PH - 7.18	7.22	Turb - 20
Temp - 21.5°C	21.7°C	STD - 10.2 NTU
cond 1259 us/cm	1222 us/cm	RDG - 10.7 NTU's
Turb - 3.09 NTU's	.89 NTU's	Lot - 43333
PH pre 6.93, 10.06 @25.8	6.97, 10.07 (26.1°C)	Exp - 2/28/25
PH post " "	" "	
DTW 191.82	191.89 ft	
ATMOS 12.41	12.43 psia	

Samples

Sample	Analysis	Preserv.	cont.	Lot	Lab
250225 1455Y	PFAS	Ice	(2) 500 mL Poly	L42700, B5	PACE

Continued from page

Read and Understood By

Matt [signature] 2/25/25 Signed Date

B-93

[signature] 3-3-25 Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/25/25 Page 1 of 1

Sample Location: WB-1-330

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PFAS							Charge Number
2502257400 (EB)	2	A	X							XGMD
1455	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:
[signature]	2/25/25 1530hrs		[signature]	2/28/25 12:00

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

WSTF 381C (05/2016)

11 MONTES & ROB BURROWS PRESENT. WEATHER IS COOL & CLEAR. TI.1J ZONE WILL BE SAMPLED USING 5 STAINLESS STEEL SAMPLE TUBES, TRIPLE RINSED. PROBE #1539. GEN IN USE. CARBOY G-1. SYSTEM CHECKS DONE PRIOR. 30 MIN EQUIPMENT BLANKS SET 1ST
K PUMP DRY @ 600 AREA DONE PRIOR AND END OF DAY*
E FUELED VEHICLE IN A.M.*
E CHARGED WEST BAY BATTERY*

INITIAL PARAMETERS	FINAL
TIME - 250203 1009y	250203 1355y
PH - 7.94	7.89
TEMP - 21.1°C	21.8 °C
COND - 1030 us/cm	1027 us/cm
TURB - 1.92 NTU	1.64 NTU
PH PRE - 7.05 - 10.04 (13.1c)	7.06 - 10.05
PH POST - 7.06 - 10.05	7.07 - 10.06
GTW - 473.85 FT	473.91 FT
BAROS - 12.45 psia	12.46 psia

METER ID
PH/COND - 15
TURB NTR - 7
" STD - 48.7
" RDG - 48.8
" LOT # - A3373
" EXP - 2·28·25

BUFFERS		EXP
7	CC779793	8.25
10	CC783W11	6·25

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINER	LOT#	LAB
250203 1044y	LL 8260	ICE · HCL	3-40ml VIALS	2774	ALS
—— 0925y	" (E.B.)	"	"	"	"
—— 0805y	" (T.B.)	"	"	"	"
—— 1048y	LLNDMA	ICE	1 LT AMBER	0119801J	SRL
—— 0929y	" (E.B.)	"	"	"	"
—— 0807y	" (T.B.)	"	"	"	"
—— 1312y	" (M.S)	"	"	"	"
—— 1346y	" (M.S.D)	"	"	"	"

	1)	2)	3)	4)	5)
	48.00	47.96	47.91	47.90	
	53.70	53.69	53.67	53.67	
	53.69	53.68	53.69	53.69	
	47.97	47.94	47.90	47.89	

MOVED GENERATOR END OF DAY
REFUELED GENERATOR END OF DAY FOR NEXT WEEK

Continued from page NA

Read and Understood By

Signed 2·3·25 Date

Signature 2·4·25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2.5.25 Page 1 of 1

Sample Location: PL.6.545

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL0260	Analytical Requirement: AM22						Charge Number
										XGMD
250203 1044 y	3	A	x							
0835y (EB)	3		x							
0805y (TB)	3		x							
1048y	1			x						
0929y (EB)	1			x						
0807y (TB)	1			x						
1312y MS	1			x						

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: AM22							Charge Number
250203 1346y MSD	1	A	x							

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	2.3.25 1411			2-4-25 / 0800

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

WSTF 381C (05/2016)

52
PROJECT PL-7-560 WJI-ENV-0020

Notebook No. D64#1337
Continued from page NA

AL MONTES & ROB BURROWS PRESENT. WEATHER IS WARM & SUNNY. THIS ZONE WILL BE SAMPLED USING 5 TRIPLE RINSED SAMPCE TUBED PROBE #1536 GEN IN USE. CARBOY G-1. SYSTEM CHECKS PRIOR. 30 MIN EQ BLANKS PRIOR.

INITIAL PARAMETERS	FINAL	METER ID	BUFFERS EXP
TIME - 250206 1325Y	250206 1425Y	PH/COND=15	7 TC779763 8.25
PH - 7.71	7.68	TURB MTR: 7	10 TC783411 6.25
TEMP - 23.4°C	22.9 °C	" STD: 48.7 NTU	
COND - 898 uS/cm	890 uS/cm	" RDG: 49 NTU	
TURB - 1.32 NTU	1.43 NTU	" LOT#: A3333	
PHPRE - 7.06-10.05	7.06-10.06 (25.3C)	" EXP: 2.28.25	
PHPOST - 7.06-10.04 (26.4C)	7.07-10.06		
DTW - 486.14 ft	486.20 ft		
ATMOS - 12.43 PSIA	12.44 PSIA		

SAMPLES

SAMPLE #	ANALYSIS	PRESERVE	CONTAINER	LOT#	CASE
250206 1250Y	8260 LL	ICE. H/C	3-40ML VIALS	2774	ALS
1250Y	" (EB)	"	"	"	"
1356Y	LL NDMA	ICE	1 LT AMB.	01199013	SDI
1255Y	" (EB)	"	"	"	"

RUN 1) 48.96, 46.31, 46.32, 48.97
2) 48.94, 46.32, 46.32, 48.94
3) 48.91, 46.31, 46.30, 48.94

Continued from page NA

Read and Understood By

B-97

2.6.25 Date

Signed

2-10-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2·6·25 Page 1 of 1

Sample Location: PL·7·630

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	LL UDMA	Total Metal				Charge Number
										XGMD
ESO206 0900y	3	A	X							
0904y	1	A		X						
0933y	1	A			X					
1010y	2	A				X				

Sample Location: PL·7·560

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL UDMA						Charge Number
										XGMD
ESO206 1350y	3	A	X							
1250y EB	3	A	X							
1356y	1	A		X						
1255y EB	1	A		X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	2·6·25 245			2-10-25 / 0815

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

Robert Burrows & Craig Del Ferraro present. Weather is clear, warm, and breezy. 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 prior to sampling.
* CHARGED BATTERY ON WESTBAY IN A.M. *

Trip blanks - Water purification system

Sample	Analysis	Preservative	Container	Lot	Lab
250205 1315y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 1316y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

30 Min. Equipment blanks - Carboy GI

Sample	Analysis	Preservative	Container	Lot	Lab
250205 1420y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 1421y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

* HIT BOTTOM OF WELL DUE TO WRONG INFO ON TASK MEMO. PRESSURES! *

Initial Parameters		Final		Meter ID OFF	
Time - 250206 0825y		Time - 250206 1017y		pH/Cond - 15	
PH - 8.15		PH - 8.10		Turb - 7	
Temp - 21.0 °C		Temp - 21.3 °C		" Std - 48.7 NTU	
Cond - 969 us/cm		Cond - 978 us/cm		" rdg - 49.0 NTU	
Turb - 3.58 NTU		Turb - 3.29 NTU		" lot - A3333	
pH pre - 7.05-10.05 (13.8c)		pH pre - 7.04-10.05		" Exp - 2/28/26	
pH post - 7.04-10.04		pH post - 7.05-10.05			
DTW - 486.05 ft.		DTW - 486.14 FT	Buffers	Lot	Exp
Atmos - 12.47 PSIA		Atmos - 12.47	7	CC779793	8/26
		IDW - 1 gal.	10	CC783411	6/26

* PUMP DRY @ 600 AREA WELL IN MORNING PRIOR & END OF DAY *
* AL MONTES BACK ON SAMPLING 2-6-25 *

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250206 0900y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0904y	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI
——— 0933y	Low Level NDMA	"	"	"	"
——— 1010y	Total Metals	ice/HNO3	(2) 125ml polys	N/A	ALS

	79.59		79.52		79.50		79.44
Runs 1)	77.52	2)	77.50	3)	77.50	4)	77.48
	77.53		77.50		77.51		77.52
	79.57		79.50		79.48		79.43

Continued from page N4

Read and Understood By

Signed 2-6-25 Date B-99 Signed Date 2-10-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2/5/25 Page 1 of 2

Sample Location: PL-7-630

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	Analytical Requirement: LLNDMA	Charge Number
250205 1315Y (TB)		3	A	✓		XGMD
1316Y (TB)		1	A		✓	"
1420Y (EB)		3	A	✓		"
1421Y (EB)		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 Dalton	2/5/25 / 1455 hrs.			2-6-25 / 0815

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

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2·6·25 Page 1 of 1

Sample Location: PL·7·630

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	LL UDMA	Total Metal				Charge Number
										XGMD
ES0206 0900y	3	A	x							
0904y	1	A		x						
0933y	1	A			x					
1010y	2	A				x				

Sample Location: PL·7·560

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL UDMA						Charge Number
										XGMD
ES0206 1350y	3	A	x							
1250y EB	3	A	x							
1356y	1	A		x						
1255y EB	1	A		x						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	2·6·25 249			2-10-25 / 0815

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

PROJECT PL-12-570 ENV.0053

Notebook No. D32#136(A)

Continued from page

Matt Garcia + Tony Tofer present. The weather is clear and cool. This well will be purged + sampled using a dedicated Teflon bladder pump. Samples collected from a Teflon discharge tube. Canby 6-3

	Initial
250213	1400A
pH	7.41
Temp	17.6
Cond	1103 µs/cm
Turb	1.46
phpre	7.05 / 16.03 (16.5')
phpost	7.07 / 16.03

Samples

Sample #	Analysis	Preserv	Cont	Lab
250213 1401A	8260	ICE / HCl	(3) 40ml VOAs	ALS
1402A	" (FB)	"	"	"
1403A	" Dup	"	"	"
1404A	CLP OMA	ICE	(1) LT Amber	"
1405A	" (Dup)	"	"	"

Continued from page

Read and Understood By

T. Tofer 2.13.25 B-102 Lara W Munch 2-14-25

Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-13-25 Page 1 of 1

Sample Location: P(-12-570

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	Analytical Requirement: 1,4 Dioxane						Charge Number
										X6MD
250213 1401A	3	A	x							
1402A (FB)	3		x							
1403A (Dup)	3		x							
1404A	1			x						
1405A (FB)	1			x						
	1									

Sample Location:

Pertinent Notes (if any)

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

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
J. Z	2-13-25 / 1500			2-14-25 / 0815

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

MATT GARCIA & TONY TORREZ PRESENT, THE WEATHER IS CLEAN & COOL. THIS WELL WILL BE PURGED & SAMPLED WITH A DEDICATED TEFLON BLADDER PUMP. SAMPLES COLLECTED FROM A TEFLON DISCHARGE TUBE. PARAM'S WILL BE COLLECTED WITH A PH & TURBIMETER. CARBOY 6.3

CALIBRATIONS

DO SENSOR CALIBRATED ~~TO~~ 100% SATURATION

pH SENSOR CALIBRATED @

PARAMETERS

250213 0940A

pH	7.14
TEMP	16.5 C
COND	1130
TURB	1.33
phpre	7.01 / 10.03 (10.9)
phpost	7.00 / 10.05

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250213 0945A	8260	ICE/HCl	(3) 40ml VIALS	ALS
— 0946A	"	"	"	"
— 0947A	LLNOMA	ICE	(1) 1LT AMBER	SNI
— 0948A	" (MS)	"	"	"
— 0949A	" (DUP)	"	"	"

TRIP BLANKS

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250213 0730A	8260	ICE/HCl	(3) 40ml VIALS	ALS
— 0731A	LLNOMA	"	(1) 1LT AMBER	SNI

Continued from page

Read and Understood By

Signed 2-13-25 Date B-104 Signed Jon W Munck Date 2-14-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-13-25 Page 1 of 1

Sample Location: P1-12-800

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260	LCMSMA						Charge Number
										X6MD
8502130730A (TB)	3		X							
0731A (TB)	1			X						
0945A	3		X							
0946A (FB)	3		X							
0947A	1		X	X						
0948A (FB)	1			X						
0949A (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:
T. Ng	2-13-25 / 1100			2-14-25 / 0815

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

WSTF 381C (05/2016)

MATT GARCIA & TONY TORRES PRESENT. THE WEATHER IS CLEAR & COOL. THIS ZONE WILL BE PURGED & SAMPLED USING A DEDICATED TEFLON BLADDER PUMP. SAMPLES COLLECTED FROM A TEFLON DISCHARGE TUBE. PARAMS COLLECTED FROM AN INSITU AQUA TROLL 500, CANBOY 6-3

CALIBRATIONS

DO SENSOR CAL'D IN 100% SATURATION
COND SENSOR CAL'D IN 1413 µS/cm STANDARD.
pH SENSOR CAL'D IN 4, 7, 10 BUFFERS.
TURB CAL'D IN ZONTE STANDARD

PARAMS

SAMPLE #	TEMP	COND	DO	ORP	pH	TURB
250211 1030A	20.23	988.78	6.23	84.8	7.56	1.15
— 1031A	20.24	990.45	6.23	84.9	7.56	1.23
— 1032A	20.23	990.55	6.23	85.1	7.56	0.91

TRIP BLANKS

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250211 0730A	ACVOCs	ICE	(1) 1LT Amber	STL

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250211 1040A	8260LL	ICE/HCl	(3) 40ml VOAs	ALS
— 1041A	" (FB)	"	"	"
— 1042A	COC	ICE	(1) 1LT Amber	STL
— 1043A	LL 8260B	"	"	"
— 1044A	" (FB)	"	"	"
— 1045A	~~Dup~~ TOTAL METALS	ICE/HNO3	(2) 250ml poly	ALS
— 1046A	" (FB)	"	"	"
— 1047A	" (Dup)	"	"	"
— 1048A	ANIONS/ALK	ICE	(2) "	"
— 1049A	TDS	"	(1) "	"
— 1050A	PERCHLORATE	"	(1) 125ml poly	"
— 1051A	NO2/NO3	ICE/H2SO4	(1) 250ml poly	"

Continued from page

Read and Understood By

J. [illegible] Signed 2-11-25 Date B-106 Pam W Lumsden Signed 2-12-26 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-11-25 Page 1 of 1

Sample Location: SJ.2.444

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260 (VOA)	607	CL2 DMA	TOTAL METALS				Charge Number
250211 1040A	3		X							XGMN
1041A (FB)	3		X							
1042A	1			X						
1043A	1				X					
1044A (FB)	1				X					
1045A	2					X				
1046A (FB)	2					X				

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	METALS	ANIONS/CATIONS	TDS	PERCHLORATE	NO2/NO3	8260 (VOC)		Charge Number
1047A (Dup)	2		X							XGMD
1048A	2			X						
1049A	1				X					
1050A	1					X				
1051A	1						X			
0730A (TDS)	3							X		

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	2-11-25 / 1115			2-12-25 / 0830

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

WSTF 381C (05/2016)

MATT GARCIA & TONY TORRES PRESENT. THE WEATHER IS cloudy & cool. THIS WELL WILL BE PURGED & SAMPLED USING A DEDICATED TEFLON bladder pump. SAMPLES COLLECTED FROM A TEFLON DISCHARGE TUBE. PARAMETERS WILL BE COLLECTED FROM AN INSITU AQUA TROLL 500. CARboy G-2.

CALIBRATIONS
DO SENSOR CALIBRATED IN 100% SATURATION
COND SENSOR CAL'd IN 1413 µS/cm STANDARD
pH SENSOR CAL'd IN 4, 7, 10 BUFFERS.
TURB STANDARD TO NTU

PARAMS

SAMPLE #	PH	ORP	DO	COND	TEMP	TURB
250212 1410A	7.56	189.6	3.00	736.13	20.30	0.89
1411A	7.65	189.7	3.06	736.03	20.29	0.81
1412A	7.67	189.7	3.05	736.05	20.29	0.85

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250212 1415A	8260LL	ICE/HCl	(3) 40 MLVIALS	ALS
1416A	11 (FB)	"	"	"
1417A	CLANDATA	ICE	(1) 1LT AMBER	SNL
1418A	11 (FB)	"	"	"

BLIND CONTROLS

SAMPLE #	ANALYSIS	PRESERV	CONT	LOT #	LAB
250212 1430A	CLANDATA	ICE	1) 1LT AMBER	25BG0394A	SNL

Continued from page

Read and Understood By

T-

2-12-25

Pam Mumaw

2-13-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-12-25 Page 1 of 1

Sample Location: ST-4-989

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260C	Analytical Requirement: 1C N2 N4						Charge Number
											X6nD
250212 1415A		3	A	X							
1416A	F,B	3		X							
1417A		1			X						
1416B	F,B	1			X						
1430A	BC	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:
J. Z	2-12-25 / 1500		[signature]	2-13-25 / 0815

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

MATT GARCIA & TONY TORRES PRESENT. THE WEATHER cloudy & cool. This well will be purged & sampled using a Dedicated TEFLON Bladder pump. Samples collected from TEFLON discharge tube. Parameters collected from an insitu Aqua Troll 500. Cable # 6-5

Calibrations
DO calibrated in 100% saturation
Cond calibrated w/ 1413 µs/cm standard
pH calib in 4, 7, 10 buffers.
DO calib w/ zonite standard.

Parameters

Sample #	pH	Cond	DO	ORP	Temp	Turb
250212 1015A	8.28	766.76	0.73	73.8	20.11	0.98
—— 1016A	8.28	766.56	0.75	74.2	20.11	1.15
—— 1017A	8.28	766.60	0.76	74.2	20.11	1.10

Samples

Sample #	Analysis	Preserv	Cont	Lab
250212 1020A	8260 II	Weight	(3) 40ml VIALS	ALS
—— 1021A	" (AB)	"	"	"
—— 1022A	CLNDMA	ICE	(1) LITER AMBER	SRL
—— 1023A	" (AB)	"	"	"

Continued from page

Read and Understood By

Signed — Date 2-12-25 B-110 — Signed — Date 2-13-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-12-25 Page 1 of 1

Sample Location: ST. 4-690

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260C	Analytical Requirement: CUSTM7						Charge Number
										X6MD
250212 1020X	3	A	X							
1021X (FB)	3		X							
1022X	1			X						
1023X (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:
[illegible]	2-12-25 / 1100		[signature]	2-13-25/0815

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

PROJECT ST-I-481 ENV.0053

Notebook No. D82 136(A) 13

Continued from page

MATT GARCIA & TONY TORRES PRESENT. THE WEATHER IS cloudy due TO clouds in THE SKY. THIS WELL will BE SAMPLED & PURGED USING A DEDICATED TEFLON BLADDER pump. SAMPLES collected from A TEFLON discharge TUBE. PARAMETERS collected USING AN INSITU AquaTroll 500. Crabby 6.3

CALIBRATIONS

DO SENSOR CAL'd IN 100% SATURATION
COND SENSOR CAL'd IN 1413 µs/cm STANDARD
pH SENSOR CAL'd IN 4, 7, 10 BUFFERS
TURB SENSOR CAL'd IN 20 NTU BUFFER.

PARAM's

Sample #	pH	COND	DO	ORP	TURB	TEMP
250214/1030A	7.46	974.99	5.08	134.7	1.41	20.23
— 1031A	7.48	974.77	5.06	134.8	1.30	20.25
— 1032A	7.48	974.80	5.07	134.7	1.33	20.23

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250214/1035A	8260 LL	ICE/HCl	(3) 40ml VIALS	ALS
— ~~1036A~~ 1036A	" (FB)	"	"	"
— 1037A	C607	ICE	(1) 1LT AMBER	SNT
— 1038A	CLNGMA	"	"	"
— 1039A	" FB	"	"	"
— 1040A	" ~~(FB)~~ (MS)	"	"	"
— 1041A	" (MSD)	"	"	"
— ~~1042A~~	~~" (MSD)~~	"	"	"
— 1043A	TOTAL METALS	ICE/HNO3	(2) 125ml poly	ALS

Continued from page

Read and Understood By

Signed

2-14-25 Date

Tom Munch

2-18-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-14-25 Page 1 of 1

Sample Location: ST-5-481

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
			8260C	607	CrVI 7196A					XGMD
250214 1035A	3	A	X							
1036A (FB)	3		X							
1037A	1			X						
1038A	1				X					
1039A (FB)	1				X					
1040A (MS)	1				X					
1041A (MSA)	1				X					

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
			Total Metals							XGMD
1042A	2	A	X							

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[illegible]	2-14-25 / 1100		[signature]	2-18-25 / 0830

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

WSTF 381C (05/2016)

AI MONES & ROB BURROWS PRESENT. WEATHER IS WARM & SUNNY. THIS ZONE WILL BE SAMPLED W/ 5 TRIPLE RINSED SAMPLE TUBES. PROBE#1539. GEN IN USE. CARBOY G-1. SYSTEM CHECKS PRIOR. 30 MIN EQ BLANK @ START. * PUMP DRY DONE @ 600 AREA WELL PRIOR IN A.M. AND END OF DAY. *
* SET UP & TEAR DOWN WESTBAY TRUCK DAILY *

INITIAL PARAMETERS		FINAL	METER ID	BUFFERS	EXP
TIME - 250205 0820Y		250205 1052Y	PH/COND - 15	7 - CC779793	8-25
PH - 7.73		7.67	TURB MTR - 7	10 - CC783411	6-25
TEMP - 19.5	°C	19.9 °C	" STD - 48.7 NTU		
COND - 632	uS/cm	646 uS/cm	" RNG - 48.9 NTU		
TURB - 2.43	NTU	2.73 NTU	" LOT - A3333		
PH PRE - 7.08 - 10.05 (15.8°C)		7.08 - 10.04	" EXP - 2.28.25		
PH POST - 7.08 - 10.06		7.07 - 10.05			
DTW - 489.45 FT		489.52 FT			
ATMOS - 12.43 PSIA		12.45 PSIA			

SAMPLES

SAMPLE#	ANALYSIS	PRESERV	CONTAINER	LOT#	LAB
250205 0855Y	VOA LL 8260	ICE - HCl	3 - 40 ML VIALS	2774	ACS
0841400Y	" (EB)	"	"	"	"
250205 0859Y	607	ICE	1 LT AMBER	011990 IJ	SRL
250205 0936Y	LL ND MA	"	"	"	"
250204 1403Y	" (EB)	"	"	"	"
250205 1008Y	TOTAL METALS	ICE - HNO3	2 - 125 ML Poly	NA	ACS
250205 1010Y	ANIONS - ALK	ICE - ØHEAD	2 - 250 ML Poly	052024	"
250205 1045Y	TDS	ICE	250 ML Poly	097823	"
250205 1047Y	PERCHLORATE	ICE - 2/3 FULL	125 ML Poly	081224	"
250205 1048Y	NO2 NO3	ICE - H2SO4	250 ML Poly	052024	"

RUN	1)	2)	3)	4)	5)
	14.67	14.69	14.67	14.64	14.63
	37.75	37.75	37.76	37.76	37.73
	37.75	37.70	37.75	37.74	37.71
	14.68	14.68	14.65	14.67	14.67

* CHARGED BATTERY IN A.M. DUE TO EXCLAMATION MARKS ON MOSDAX *
* SLOW FILL, SLOW PRODUCER. TOP ZONE *

Continued from page NA

Read and Understood By

Signed — Date 2.5.25 — B-114 — Signed — Date 2-6-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2.5.25 Page 1 of 1

Sample Location: ~~2.5.25~~ AM ST.5.485

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	607	LL NDMA	TOTAL METALS	ANIONS ALK	TDS	CERCH	Charge Number
										XGMD
250205 0855 y	3	A	x							
250205 0859 y	1	A		x						
250205 0936 y	1	A			x					
250205 1008 y	2	A				x				
250205 1010 y	2	A					x			
1045 y	1	A						x		
1047 y	1	A							x	

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: NO2NO3							Charge Number
										XGMD
250205 1048 y	1	A	x							

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	2.5.25 11:10 AM			2-6-25 / 0815

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

PROJECT ST-5-655 WJI:ENV-0020

Notebook No. D64 # 133 y 49

Continued from page NA

AJ MONTES & ROB BURROWS PRESENT. WEATHER IS COLD & HAZY. THIS ZONE WILL SAMPLED USING STRIPLE RINSED SAMPLE TUBES. SYSTEM CHECK DONE PRIOR. PROBE #1539. GEN IN USE. CARBOY G-1. 30MIN EQ BLANKS @ SS
* PUMP DRY GOO WELL @ START OF DAY & END OF DAY *

INITIAL PARAMETER	FINAL
TIME - 250204 0920y	250204 1315y
PH - 8.06	8.01
TEMP - 20.8°C	21.4°C
COND - 850 us/cm	866 us/cm
TURB - 1.53 NTU	1.29 NTU
PH PRE - 7.06-10.05 (20.3°)	7.06-10.05
PH POST - 7.07-10.06	7.06-10.04
DTW - 489.30 Ft.	489.45 FT
ATMOS - 12.43 PSIA	12.44 PSIA

METER ID
PH/COND - 15
TURB MTR - 7
" STD - 48.7 NTU
" RDG - 48.9 NTU
" LOT# - A3333
" EXP - 2-28-25

BUFFERS EXP
7 - CC779795 8.25
10 - CC783411 6.25

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINER	LOT#	LAB
250204 0954y	LL 8260	ICE. HCL	3.40 mL VIAL	2774	ALS
——— 0840y	" (EB)	"	"	"	"
——— 1001y	607	ICE	1LT AMBER	0119901J	SR
——— 1036y	LL NDMA	"	"	"	"
——— 0842y	" (EB)	"	"	"	"
——— 1307y	TOTAL METAL	ICE. HNO_3	2.125 mL POLY	NA	ALS

RUN (PSIA)	1)	2)	3)	4)
	89.32	89.25	89.21	89.16
	111.37	111.36	111.34	111.36
	111.37	111.38	111.33	111.35
	89.30	89.21	89.19	88.94

Continued from page NA

Signed

2.4.25
Date

Read and Understood By

2-9-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2.4.25 Page 1 of 1

Sample Location: ST.5.655

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	LL 8260	607	LL NDMA	TOTAL METAL				Charge Number
										XGMD
250204 0954	3	A	x							
0840 (EB)	3		x							
1001	1			x						
1036	1				x					
0842 (EB)	1				x					
1307	2					x				

Sample Location: ST.5.485

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	LL 8260	LL NDMA						Charge Number
										XGMD
250204 1400 (EB)	3	A	x							
1403 (EB)	1	A		x						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	2.4.25 3pm			

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

WSTF 381C (05/2016)

PROJECT WW-4-~~414~~ 589 FLUTE ENV-0110

Notebook No. D32 #137 B

Continued from page NA

Tony Torres & Dan Halvorsen present. Weather is cloudy 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 221 psi, Sample pressure at 199 psi., Bubbler set at 3psi, stable at 6psi., first 350 ml will be discarded. Cooler 63 in use.

TRIP BLANKS

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
250210 0715 B	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2779	ALS
—— 0716 B	NDMA LL	Ice	(1) 1L Amber	901301	SRL

Pre-Parameters	Sample Parameters	Meter ID
Time = 250210 1130 B	250210 1152 B	PH/COND = 91
PH = 7.49	7.52	TURB = 8
TEMP = 20.2°C	20.2	STD = 9.50
COND = 1036 us/cm	1051	ROG = 9.53
TURB = 1.23 NTU's	1.17	LOT = A3383
PH Pre = 7.09 - 10.11	7.08 - 10.10	EXP = 3/25
PH Post = 7.08 - 10.11	7.07 - 10.10	

SAMPLES

Sample #	Analysis	Preserve	Container	LOT	LAB
250210 1152 B	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2779	ALS
—— 1153 B	" " (FB)	"	"	"	"
—— 1154 B	NDMA LL	Ice	(1) 1L Amber	901301	SRL
—— 1155 B	" " (FB)	"	"	"	"
—— 1310 B	SVOA by 8270D	"	(2) 500 ml Amber	N/A	ALS

Transducer =

PSI = 45.10

Temp = 24.85

Depth = 104.26 ft.

IDW = 4 gal.

Continued ~~from~~ on page NA

Read and Understood By

2-10-2025 B-118 2/10/25

Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2.10.2025 Page _____ of _____

Sample Location: WW.41-585

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	VOC	NDMALL	SVOC					Charge Number
										XGMD
250210071SB TB	3	A	X							
1152 B	3		X							
1153 B FB	3		X							
0716B B TB	1			X						
1154 B	1			X						
1155 B FB	1			X						
1310B	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:
	2.10.2025 1410			2-11-25 / 0830

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

WSTF 381C (05/2016)

Tony Torres & Dan Halvorsen present. Weather is cloudy 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 221 psi, sample pressure at 199 psi. Bubbler set at 3 psi, stable at 6 psi. First 350 ml will be discarded. Carby G3 in use.

Pre-Parameters		Sample Parameters	Meter ID
Time	= 250210113B	250210121OB	pH/Cond = 91
pH	= 7.73	7.76	Turb = 8
Temp	= 19.5°C	19.6	SID = 9.50
Cond	= 878 µS/cm	877	DO = 9.53
Turb	= 0.63 NTU's	0.66	Lot = A3333
pH Post	= 7.09-10.11	7.08-10.10	Exp = 2/25
pH Pre	= 7.09-10.10	7.08-10.11	

SAMPLES

SAMPLE #	Analysis	Preserve	Container	Lot	LAB
250210121 3B	VOA by 8260 LL	HCl	(3) 40 ml Vial	2779	ALS
1214B	" " (FB)	"	"	"	"
1215B	NDMA LL	Ice	(2) 1L Amber	901301	SEJ
1216B	" " (FB)	"	"	"	"
1320B	SVOA by 8270D	"	(2) 500 ml Amber	N/A	ALS

IDW = 4 gal.

Transducer:
Psi = 49.42
Temp = 24.54
Depth = 114.12 Ft.

Continued ~~from~~ on page NA

Read and Understood By

Signed — 2-10-2025 Date — B-120 — Signed — 2-10-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-10-2025 Page _____ of _____

Sample Location: WW-4-848

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA	NDMA LL	SVOA					Charge Number
										XGMD
250210 1213 B	3	A	4							
1214 B FB	3		4							
1215 B	1			4						
1216 B FB	1			4						
1320 B	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:
	2-10-2025 1410			2-11-25 0830

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

WSTF 381C (05/2016)

PROJECT WW-4-9418 FLUTe ENV-010

Notebook No. D32 #137 B

Continued from page NA

Tony Torrez & Dan Halvorsen present. Weather is Cloudy 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 321 psi, Sample pressure at 199 psi. Bubbler set at 3 psi, Stick at 6 psi. First 350 ml will be discarded. Corbay 63 in use.

Pre-Parameters	Sample Parameters	meter ID
Time = 250210 1145 B	250210 1230 B	pH/COND = 91
pH = 8.48	8.52	TURB = 8
Temp = 19.7 °C	19.8	STD = 9.50
COND = 1064 us/cm	1060	RDG = 9.53
TURB = 0.56 NTUs	0.61	LOT = A3333
APH = 7.09-10.10	7.08-10.11	EXP = 2/25
#Port = 7.08-10.11	7.08-10.10	

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	LAB
250210 1234 B	VOCs by 8260 LL	Iced HCl	(3) 40 ml Vials	2279	ACS
1235 B	" " (FB)	"	"	"	"
1236 B	NDMA LL	Iced	(1) 1L Amber	901301	SCC
1237 B	" " (FB)	"	"	"	"
1338 B	SVOCs by 8270D	"	(2) 500 ml Amber	N/A	ACS

TOW = 4 gal.

Transducer =
PSI = 51.19
Temp = 24.53
Depth = 118.13 Ft.

Continued ~~from~~ page NA

Read and Understood By

B-122

2-10-2025 Date

Signed

2/10/25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 2-10-2025 Page _____ of _____

Sample Location: WW-4-948

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
			VOC	NDMA LL	SVOC					XGMD
250210 1234 B	3	A	Y							
1235 B FB	3		Y							
1236 B	1			Y						
1237 B FB	1			Y						
1338 B	2				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:
	2.10.2025 1410			2-11-25 0830

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

WSTF 381C (05/2016)

PROJECT 100-D-176 ENV.2055

Notebook No. D32#1380) 23

Continued from page _____

ROBERT BURROWS & TONY TORRES PRESENT. THE WEATHER IS CLEAR & WARM. THIS WELL WILL BE PURGED & SAMPLED WITH A DEDICATED TEFLON BLADDER PUMP. SAMPLES COLLECTED FROM A TEFLON DISCHARGE TUBE. PARAM'S COLLECTED FROM A IN SITU AQUA TROLL 500. CANSAY 6 J

CALIBRATIONS

DO SENSOR CAL'D IN 100% SATURATION 187.03 DTW

COND SENSOR CAL'D IN 1413 µs/cm STANDARD

PH SENSOR CAL'D IN 4, 7, 10 BUFFERS.

TURB CAL'D IN 10 NTU STANDARD.

PARAM'S.

SAMPLE#		PH	COND	DO	ORP	TEMP	TURB
250325	0930c	7.63	2,445.0	0.28	67.7	20.94	0.89
——	0931c	7.62	2,445.8	0.28	68.1	20.94	1.20
——	0932c	7.62	2,445.7	0.29	68.7	20.94	1.10

SAMPLES

SAMPLE#		ANALYSIS	PRESERV	CONT	LAB
250325	0935c	TDS	ICE/~~HCl~~ H_2SO_4	(1) 250ml poly	ALS
——	0936c	" (FB)	"	"	"
——	0937c	TKN	ICE/H_2SO_4	"	"
——	0938c	" (FB)	"	"	"
——	0939c	Chloride	ICE/~~HNO_3~~	"	"
——	0940c	" (FB)	"	"	"
——	0941c	NO_2+NO_3	ICE/H_2SO_4	"	"
——	0942c	" (FB)	"	"	"

Continued from page _____

Read and Understood By

T. [illegible] 3.25.25 Pam Munch 3-26-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3-25-25 Page 1 of 1

Sample Location: 100-D-175

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: TDS	TKN	Chloride	Nitrate/Nitrite				Charge Number
										X002
250325 0935c	1		X							
0936c (FB)	1		X							
0937c	1			X						
0938c (FB)	1			X						
0939c	1				X					
0940c (FB)	1				X					
	3									

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: NO2/NO3							Charge Number
										X002
0941 c	1		X							
0942c (FB)	1		X							

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	3-25-25/1100		[signature]	3-26-25/0810

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

WSTF 381C (05/2016)

All monies & Dan Halvorsen present. Weather is clear and cold. 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 AquaTroll 500. Cardoy G3 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 20 NTU STD.

Initial DTW = 128.30 ft.
Final " = 128.47
IDV = 1 gal.

TRIP BLANKS

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
250319073OC	VOCs by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS

Parameters (Time)	Temp	Cond	DO	PH	ORP	TURB
250319094OC	19.43	992	6.24	7.48	259	0.419
——— 0942C	19.42	991	6.25	7.41	258	0.52
——— 0944C	19.42	994	6.23	7.44	258	0.48

SAMPLES

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
250319094SC	VOCs by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS
——— 0949C	" " (Dup)	"	"	"	"
——— 0950C	" " (FB)	"	"	"	"
——— 0951C	NDMA/DMN Bromacil by 607	Ice	(1) 1L Amber	0119901	SRL
——— 0952C	Total metals	Ice/HNO3	(2) 125 ml Poly	102124	ALS
——— 0953C	" " (FB)	"	(1)	"	"

BLIND CONTROLS

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
250319101OC	VOCs by 8260	Ice/HCl	(3) 40 ml Vial	~~2558604A~~ 2774 DH	ALS
——— 1011C	NDMA/DMN Bromacil by 607	Ice	(1) 1L Amber	" " B 0119901 DH	SRL
——— 1012C	Total metals	Ice/HNO3	(2) 125 ml Poly	" " C ~~102124~~ DH	ALS

Continued from page

Read and Understood By

3-19-2025 1-20-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.19.25 Page _____ of _____

Sample Location: 100.HG.139

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	[illegible]					Charge Number
										XGMD
250319 0730c TB	3	A	X							
0948c	3	|	X							
0949c Dup	3	|	X							
0950c FB	3	|	X							
1010c BC	3	|	X							
0951c	1	|		X						
1011c BC	1	|		X						

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 537.1							Charge Number
250319 0952c	2	A	X							
0953c FB	2	|	X							
1012c BC	2	|	X							

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	3.19.25 1030		[signature]	3-20-25 0830

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

WSTF 381C (05/2016)

Al Montes & 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. Corbay G3 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 20 Ntu STD.

Initial DTW = 127.50 ft.
Final " = 127.59
TDW = 1 gal.

Parameters (Time)	Temp	Cond	Do	PH	ORP	Turb
25037~~19~~20 0915c	20.03	1173	4.21	7.25	163	0.61
——— 0917c	20.04	1171	4.20	7.26	161	0.58
——— 0919c	20.03	1173	4.20	7.23	161	0.62

SAMPLES

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
25037~~19~~20 0925c	Uda by 8260	Ice/HCl	(3) 40ml Vial	2774	ALS
——— 0926c	" " (FB)	"	"	"	"
——— 0927c	Bromacil by (60)	Ice	(1) 1L Amber	01/9901	SRL
——— 0928c	" " (FB)	"	"	"	"
——— 0929c	Total Metals	Ice/HNO3	(2) 125ml Poly	102124	ALS

Continued from page

Read and Understood By

3-19-2025 3-24-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3·28·25 Page 1 of 1

Sample Location: 200·D·240

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260	6007	TOTAL METAL					Charge Number
										XGMD
250328 0925C	3	A	Y							
0926C FB	3		Y							
0927C	1			Y						
0928C FB	1			Y						
0929C	2				Y					

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	3·28·25 1030 3:30		3-24-25 /0810

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

WSTF 381C (05/2016)

3-26-25

PROJECT 200-H-225 WSI ENN-0020

Notebook No. D64 # 133 (Y) 77

Continued from page

Marcus Avalos & Matt Garcia present. Weather is partly cloudy & warm. This zone will be sampled using 5 steam cleaned stainless steel sample tubes. Gas in use. Probe # 1539. Surface checks performed on probe prior to sampling.

Initial Parameters		Final	Meter ID
Time	250326 1040A	250326 1100A	PH/Cond - # 15
PH	7.78	7.22	Turb - # 7
Temp	21.0°C	21.1°C	= STD - 33.8 NTU
Cond	1158 uS/cm	1157 uS/cm	= RDG - 31.2 NTU
Turb	4.18 NTU	1.47 NTU	= LOT - A3333
PH pre	7.05 / 10.05 (22.3°C)	7.02 / 10.04	= EXP - 3/31/25
PH post	7.08 / 10.02	7.05 / 10.06	
Atmos	12.33 psia	12.35 psia	
DTW	44.15'	44.20'	
		IDW. 0.25 gal	

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250326 1055A	TDS by SM2540C	Ice	(1) 250ml poly	0918232AOD	ALS
— 1056A	TKN	H_2SO_4 / Ice	=	0106254GK1	=
— 1057A	Chloride	Ice	=	0918232AOD	=
— 1058A	NO2/NO3 353.2	H_2SO_4 / Ice	=	0106254GK1	=

Runs 1) 94.17 2) 94.13
42.28 42.27
42.28 42.27
94.20 94.15

Continued from page

Read and Understood By

Signed 3.26.25 Date

Signed 3-31-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.26.25 Page 1 of 1

Sample Location: 200 · I · 300

Sample Number	# of Containers	Sample Matrix*	TDS	TKN	Chloride	NO2/NO3				Charge Number
Pertinent Notes (if any)										
2503260955A	1	A	X							X002
0956A	1	"		X						"
0957A	1	"			X					"
0958A	1	"				X				"

Sample Location: 200 · H · 225

Sample Number	# of Containers	Sample Matrix*	TDS	TKN	Chloride	NO2/NO3				Charge Number
Pertinent Notes (if any)										
2503260955A	1	A	X							X002
0956A	1	"		X						"
1057A	1	"			X					"
1058A	1	"				X				"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	3.26.25 @ 1515		[signature]	3-31-25 / 0815

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

WSTF 381C (05/2016)

3.26.25

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PROJECT 200 · I · 300 WSI ENV · 0020

Notebook No. DG4 # 133 (Y)

Continued from page NA

Marcus Avalos & Matt Garcia present. Weather is clear & warm. This zone will be sampled using 5 steam cleaned stainless steel sample tubes. Gen in use. Probe #1539. Surface checks performed on probe prior to sampling.

Initial Parameters		Final	Meter ID	
Time	250326 0930Y	250326 1000Y	pH/Cond	#15
pH	7.36	7.68	Turb	#7
Temp	21.2°C	20.8°C	= STD	53.8 NTU
Cond	839 µS/cm	827 µS/cm	= READ	51.2 NTU
Turb	1.26 NTU	1.48 NTU	= LOT	A3333
pH pre	6.98 / 10.02 (21.3°C)	7.03 / 10.04 (21.9°C)	= EXP	3/31/25
pH post	7.00 / 10.04	7.02 / 10.01		
Hmos	12.37 psia	12.34 psia		
DTW	222.95	223.02		
		IDW · 0.25 gal		

Buffers	lot	EXP
7	CC1799793	8/25
10	CC1783411	6/25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250326 0955A	TDS by SM2540C	Ice	(1) 250 ml poly	0918232A00	ALS
0956A	TKN	H_2SO_4 / Ice	=	0106254EK1	=
0957A	Chloride	Ice	=	0918232A00	=
0958A	NO2/NO3 353.2	H_2SO_4 / Ice	=	0106254EK1	=

Runs 1) 49.89 2) 49.87
62.64 62.61
62.57 62.55
49.92 49.87

Continued from page NA

Read and Understood By

Signed — Date 3.26.25 — B-132 — Signed — Date 3.31.25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.26.25 Page 1 of 1

Sample Location: 200 · I · 300

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: TOS	TKN	Chloride	NO2/NO3				Charge Number
250326 0955 A	1	A	X							X002
0956 A	1	↓		X						↓
0957 A	1				X					
0958 A	1					X				

Sample Location: 200 · H · 225

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: TOS	TKN	Chloride	NO2/NO3				Charge Number
250326 1055 A	1	A	X							X002
1056 A	1	↓		X						↓
1057 A	1				X					
1058 A	1					X				

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	3.26.25 @ 1515		[signature]	3-31-25 / 0815

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

WSTF 381C (05/2016)

3/19/25

Notebook No. D32 # 136(A) 29

PROJECT 600 · A · 001 · GW · 1 WJI ENV · 0013

Continued from page NA

Marcus Avelos & Robert Burrows present. Arrived @ well location 0900 hrs. Weather is sunny, breezy, & cool & hazy. Well was purged using a Bennett Pump. Samples will be collected using a new bailer. Carboy G · 1

Total Depth - 152.00'
Initial DTW - 150.70'
Purge Volume - 2.98 gal
Purge Rate - 0.75 gpm

Meter ID
PH/Cond - #91
Turb - #8
- STD - ~~A3333~~ MA 9.88 NTU
- BOG - 9.37 NTU
- LOT - A3333
- Exp - 3/31/25

Initial Parameters	Secondary	Final
Time - 2503191000 A	2503191004 A	2503191322 A
PH - 7.34	7.43	7.54
Temp - 15.0°C	15.9°C	18.4°C
Cond - 1534 us/cm	1570 us/cm	1699 us/cm
PH pre - 6.91/9.97 (17.7°C)	6.99/10.01 (17.9°C)	6.95/9.97 (18.8°C)
PH post - 6.98/10.02	7.01/10.04	6.97/9.98
Turb - 130 NTU	22.3 NTU	14.1 NTU

SAMPLES

Sample #	Analysis	Preserve	Container	lot	Lab
2503191250 A	VOA by 8260	HCl/Ice	(3) 40 ml vials	1774	ALS
1251 A	= (FB)	=	=	=	=
1252 A	607/Bromacil	Ice	(1) 1L Amber	0119015	SRL
1303 A	SVOA 8270D	Ice	(2) 500 ml Amber	10112118 ME	ALS
1310 A	Total Metals	HNO3/Ice	(2) 125 ml poly	NA	=
1313 A	Anions/Alk	Ice/2 drops HS	(2) 250 ml poly	05202426RG	=
1316 A	TDS by SM2540C	Ice	(1) 250 ml poly	11042426AD0	=
1319 A	Perchlorate	Ice/1/3 HS	(1) 125 ml poly	11042426ERD	=
1320 A	NO2/NO3 353.2	H2SO4/Ice	(1) 250 ml poly	010625426K1	=

Final DTW - 150.84

Total Gallons: 6 gal

Continued from page NA

Read and Understood By

MA — Signed — 3/19/25 Date

B-134

Signed — 1-20-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.19.25 Page 1 of 1

Sample Location: 600.A.001.GW.1

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260	607/Brc	8270	T. Metals	Anions/Alk	TDS		Charge Number
250319 1250 A	3	A	X							XGMD
1251 A (FB)	3		X							
1252 A	1			X						
1303 A	2				X					
1310 A	2					X				
1313 A	2						X			
1316 A	1							X		

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Perchlorate	NO2/NO3						Charge Number
250319 1319 A	1	A	X							XGMD
1320 A	1			X						1

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MA	3.19.25 @ 1400		[signature]	3-20-25 / 0830

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

WSTF 381C (05/2016)

3/20/25

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PROJECT 600-A-002-GW-1 WSI ENV.0013

Notebook No. D32 # 136 (A)

Continued from page NA

Marcus Avalos & Robert Burrows present. Arrived @ well location 0850 hrs. Weather is clear, sunny, & cool. 3 casing volumes purged using a Bennett Pump. Samples will be collected using a steam cleaned bailer. Cadoxy G.1.

Total Depth - 183 ft.
Initial DTW - 173.45 ft
3 Casing Volume - 18.71 gal
Purge Rate - 2 gpm

Meter ID
PH/Cond - #91
Turb - #8
= STD - 9.88 NTU
= RDG - 9.60 NTU
= LOT - A3333
= EXP - 3/31/25

Initial Parameters	Secondary	Final
Time - 250320 1000A	250320 1006A	250320 1305A
PH - 7.72	7.78	7.84
Temp - 15.8°C	18.6°C	20.1°C
Cond - 1180 uS/cm	1180 uS/cm	1076 uS/cm
Turb - 2.07 NTU	1.27 NTU	2.77 NTU
PH pre - 7.02/10.01 (15.6°C)	7.05/10.04 (15.4°C)	7.02/10.07 (18.8°C)
PH post - 7.05/10.03	7.04/10.04	7.03/10.05

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250320 1245A	VOA by 8260	HCl/Ice	(3) 40 ml vials	2774	ALS
1246A	= (FB)	=	=	=	=
1247A	607/Bromacil	Ice	(1) 1L Amber	011901J5	SBL
1248A	SVOA 8270D	Ice	(2) 500 ml Amber	101121BMG	ALS
1255A	Total Metals	HNO3/Ice	(2) 125 ml poly	NA	=
1256A	Anions/Alk	Ice/ZeroHS	(2) 250 ml poly	052024ZERG	=
1257A	TDS SM2540C	Ice	(1) "	110424ZADD	=
1258A	Perchlorate 6850	Ice/1/3 HS	(1) 125 ml poly	110424ZERD	=
1259A	NO2/NO3 353.2	H2SO4/Ice	(1) 250 ml poly	010625461K1	=

Final DTW - 173.45'

Total Gallons - 19 gal

Continued from page

Read and Understood By

MA 3/20/25 Date

B-136

Signed Date 3-24-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.20.25 Page 1 of 1

Sample Location: 600A · 002 · GW · 1

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	8260	607/8270	8270	T. Metals	Anions/Alk	TDS		Charge Number
250320 1245 A	3	A	X							XGMD
1246 A	3		X							
1247 A	1			X						
1248 A	2				X					
1255 A	2					X				
1256 A	2						X			
1257 A	1							X		

Sample Location:

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	Perch/Iorate	NO2/NO3						Charge Number
250320 1258 A	1	A	X							XGMD
1259 A	1			X						1

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MJ GD	3.20.25 @ 1400			3-24-25 / 0810

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

WSTF 381C (05/2016)

DP-392 sampling event.

PROJECT 600-C-173 WJI EWV-0053 3/25/25

Notebook No. D32#138(C)

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 G3 in use.

Calibrations

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

Parameters (time)	temp(°c)	cond(us/cm)	DO	ORP	PH	Turb(NTU's)	DTW(Ft.)
1) 250325 1340C	22.40	19,121.74	5.92	97.0	7.23	6.81	178.72
2) ——— 1343C	22.48	19,204.12	5.80	102.3	7.26	6.13	178.72
3) ——— 1346C	22.52	19,272.34	5.68	107.6	7.27	5.73	178.72

Samples - DP-392 event

Sample		Analysis	Preservative	Container	Lot	Lab
250325	1350C	TDS by SM2540C	ice	(1)250ml poly	110424-2ADD	ALS
———	1351C	TKN	ice/H_2SO_4	"	050824-4EKI	"
———	1352C	Chloride	ice	"	110424-2ADD	"
———	1353C	NO_2/NO_3 by 353.2	ice/H_2SO_4	"	050824-4EKI	"

Initial DTW: 178.35 Ft.

Total gallons purged: 1

Continued from page N/A

Read and Understood By

Craig DelFerraro 3/25/25

Peter Mueck 3-26-25

Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/25/25 Page 1 of 1

Sample Location: 600-C-173

Pertinent Notes (if any): DP-392 Sampling Event.

Sample Number	# of Containers	Sample Matrix*	TDS	TKN	Chloride	NO2/NO3				Charge Number
250325/1350C	1	A	✓							X002
1351C	1	A		✓						4
1352C	1	A			✓					4
1353C	1	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 Reltjens	3/25/25 / 1420hrs.		[signature]	3-26-25 / 0810

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

3/25/25

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PROJECT 300.002.GSV WSI ENV.0013

Notebook No. D82 # 136 (A)

Continued from page

Marcus Avalos & Matt Garcia present. Arrived @ well location 0830 hrs. Weather is clear, sunny, & warm. 3 casing volumes purged using Bennett Pump. Samples will be collected using a steam cleaned & triple rinsed bailer. Carbon/G.L.

Total Depth - 160.00'
Initial DTW - 117.30'
3 Casing Volume - 84 gal
Purge Rate - 2 gpm

Meter ID
pH/Cond - #91
Turb - #8
= STD - 9.88 NTU
= RPA - 9.78 NTU
= Lot - A3333
= Exp - 3/31/25

Initial Parameters		Secondary	Final
Time	250325 0940A	250325 1010A	250325 1035A
pH	7.68	7.62	7.59
Temp	21.5 °C	22.1 °C	22.2 °C
Cond	1081 uS/cm	1155 uS/cm	1147 uS/cm
Turb	5.37 NTU	3.47 NTU	4.60 NTU
pH pre	7.02/10.03 (20.2°C)	7.02/10.06 (22.6°C)	7.03/10.03 (34.5°C)
pH post	7.05/10.04	7.04/10.03	7.05/10.06

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250325 1255A	VOA by 8260	HCl/Ice	(3) 40ml vials	2774	ALS
1256A	= (FB)	=	=	=	=
1257A	607/Bromacil	Ice	(1) 1L Amber	011901S	SBL
1258A	SVOA 8270D	=	(2) 500ml Amber	101211BME	ALS
1259A	Total Metals	HNO3/Ice	(2) 125ml poly	NA	=
1300A	Anions/Alk	Ice/ZeroHS	(2) 250ml poly	~~NO~~ 110424ADD	=
1301A	TDS SM2540C	Ice	(1)	09/823ADD	=
1302A	Perchlorate 6850	Ice/1/3 HS	(1) 125ml poly	110424ZERO	=
1303A	NO2/NO3 353.2	H2SO4/Ice	(1) 250ml poly	010625HEK1	=

Final DTW: 117.60'

Total Gallons Purged: 85 gal

Continued from page

Read and Understood By

Signed — Date: 3.25.25

B-140

Signed — Date: 3-26-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.25.25 Page 1 of 1

Sample Location: 300.002.GSV

Sample Number	# of Containers	Sample Matrix*	8260	607	8270	T. Metals	Anions / Alk	TDS			Charge Number
250325 1255 A	3	A	X								XGMD
1256 A (FB)	3		X								
1257 A	1			X							
1258 A	2				X						
1259 A	2					X					
1300 A	2						X				
1301 A	1							X			

Pertinent Notes (if any)

Sample Location:

Sample Number	# of Containers	Sample Matrix*	Bacteria	NO2/NO3							Charge Number
250325 1302 A	1	A	X								XGMD
1303 A	1			X							1

Pertinent Notes (if any)

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	3.25.25 @ 1400			3-26-25 / 0810

* 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 after one minute of purging. Carboy "Plume Front"

Parameters	Meter ID	Buffers	Lot #	Exp
Time 2503140545	PL/Cond - Plume Front	7	CC799793	6/25
PH 7.58	Turb - Plume Front	10	CC783411	6/25
Temp 23.5 C	STD - 9.51			
Cond 1080 us/cm	RDG 9.49 NTU			
Turb 0.25 NTU	LOT # N/A			
PH Pre 6.99-10.00 (20.3 C)	EXP - 3/31/25			
PH Post 7.02-10.02				

Samples

Sample #	Analysis Req	Lot #	Cont	Labs Cont
2503140551	VOA by 8260(CL) ICE HCl	N/A	(3) 40mL Vial	ALS
→ 0552	" (FB)	"	"	
— 0553	NDMA IDMW/Bby607 ICE	"	(1) Amber 500mL	SWRL
— 0554	LL NDMA "	"	"	"
— 0555	" (FB) "	"	"	"
— 0556	SVOA — Sim "	"	(1) 250mL Amber	ALS

Continued from page N/A

Read and Understood By

Signed — Date 14 MAR 2025 B142

Signed — Date 3-14-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3-14-25 Page 1 of 1

Sample Location: 3650-EFF-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 / ALK	TDS SM2540C	Charge Number
250314 0551	3	A		X				XGMD
0552 (FB)	3	A		X				
0553	1	A			X			
0554	1	A				X		
0555 (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
250314 0556	1	A			X	XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	3-14-25 0615	[signature]	3-14-25 0845

* 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" "Plume front"

Parameter	Meter ID	Buffers	LOT #	Exp
Time ~~250313/1244~~	PL/cond-Plume front 7	cc 729753		6/26
pH 7.14	Turb-Plume front 10	cc 783411		8/26
Temp 24.0°c	DO 9.51 mg/L			
Cond 1070 us/cm	ORP 9.51 mV			
Turb 0.27	LOT # N/A			
pH pre 7.01-10.00 (20.7°c)	Exp - 3/31/25			
pH post - 7.00-10.00				

Sample # 190605	Analysis	Sample Rec	LOT #	LAB	Cont
250313/1246	VOAs 8260	1 cool HCl	N/A	ALS	(5) 40mL Vials
0606 1247	(Comp)	"	"	"	"
0607 1248	(FD)	"	"	"	"
0608 1249	NDMA 1,4-D m-D/R10b 4607 1E	"	"	SWRI	"
0609 1250	SVOA 5in	"	"	ALS	"

Continued from page N/A

Read and Understood By

Signed

14 MAR 2025
Date

Signed

3-14-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3-14-25 Page 1 of 1

Sample Location: B650-INF-1

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMN/BROMACIL 607 LOW LEVEL NDMA	TOTAL METALS	ANIONS/ALK	TDS SM2540C	Charge Number
250314 0605	3	A		X						XGMD
0606 (DUP)	3	A		X						"
0607 (FB)	3	A		X						"
0608	1	A				X				"

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
250314 0609	1	A				X					XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	3-14-25 (0615)		3-14-25 / 0845

* 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. Carboy "Pine Front"

Parameters	Meter ID	Buffers	LOT #	EXP
Time 250313/1225	pH/cond-Pine Front 7		CC779793	6/25
pH 7.62	Turb Pine Front 10		CC783411	8/25
Temp 23.7 C	"STD-9.51 NTU			
cond ~~0.82 mS/cm~~ 1152 uS/cm	RDG 9.52 NTU			
Turb 0.22 NTU	"LOT # - N/A			
pH pre 7.00-10.00 (21.1)	"Exp - 3/31/25			
pH post - 7.02/10.02				

Samples

Sample #	Analysis	Pres	LOT #	LAB	CONT
250313/1230	VOA by 8260C(C)	ICE HCl	N/A	ALS	(3) 40 mL Vial
— 1231	" (FB)	"	"	"	"
— 1232	NDMA by 8270E(M)	ICE	"	ALS	(1) L Amber
— 1233	LL NDMA	"		"	(1) L Amber
— 1234	" (FB)	"	"	"	"
— 1235	SVOA - 5 m	"	"	ALS	(1) 250 mL Amber

Continued from page N/A

Read and Understood By

Signed 13 MAR 2025 Date

Signed 3-13-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3-13-25 Page 1 of 1

Sample Location: 3655 - EFF-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 / ALK	TDS SM2540C	Charge Number
250313/1230	3	A		X				XGMD
— 1231 (FB)	3	A		X				"
— 1232	1	A			X			"
— 1233	1	A				X		"
— 1234 (FB)	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
250313/1235	1	A			X					XGMD
										"

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	3-13-25 (1300)	[signature]	3-14-25 / 0845

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

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

Parameters	meter ID	Buffers	Lot #	Exp
Time 250313/1241	pH/cond - Thermo #7		CC779793	6/25
pH 6.96	Turb - Thermo 100		CC783411	8/25
Temp 22.9 C	" - STD - 9.51			
Cond 1139 uS/cm	" - RDG - 9.53			
Turb 0.34 NTU	" - Lot # - N/A			
Phpre 7.01 - 10.00 (22.1 C)	" - Exp 3/31/25			
Phpost 7.02 / 10.02				

Samples

Sample #	Analysis	Pres	Lot #	Lab Cont
250313/1246	10 Aby 8260	ICE & HCl	N/A	AIS (3) 40mL Vial
1247	" (FB)	"	"	" "
1248	NDMA/1,4-Dioxane/Bby 607	ICE	"	SWRI (1) 1L Amber
1249	" (FB) Dup	"	"	" "
1250	SVOA-SIM	"	"	AIS (1) 250mL Amber

Continued from page N/A

Read and Understood By

Signature | 13 MAR 2025 Date | B-148 | Signed | 3-13-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3-13-25 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/ALK	TDS SM2540C	Charge Number
250313 1246	3	A	X						XGMD
1247 (FB)	3	A	X						"
1248	1	A			X				"
1249 (Dup)	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 1,4 DIOXANE 8270					Charge Number
250313 2500	1	A			X					XGMD
										"

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	3-13-25 (1300)	[signature]	3-14-25 / 0845

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

PROJECT Blm. 5-527 ENV-0053

Notebook No. D32 #138(c)

Continued from page

Al Montes & 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. Cordon 53 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 20 NTU STD.

Initial DTW =

Final " =

IDW = 1.5 gal.

Parameters (Time)	Temp	Cond	DO	PH	ORP	Turb
250320 1415 c	21.11	903	7.49	7.46	184	0.65
1417 c	21.12	905	7.52	7.41	183	0.67
1419 c	21.12	902	7.46	7.63	183	0.62

SAMPLES

Sample #	Analysis	Preserve	Container	LOT	LAB
250320 1425 c	VOA by 8260	Eq/HCl	(3) 40 ml Vial	2774	ALS
1426 c	" " (Dup)	"	"	"	"
1427 c	" " (FB)	"	"	"	"
1428 c	NAPHTHALENE Bromacil by 6007	Ice	(1) 1L Amber	0119901	SRL
1429 c	" " (Dup)	"	"	"	"
1430 c	Anions/Alk	"	(2) 250 ml Poly	N/A	ALS
1431 c	TDS	"	(1)	"	"
1432 c	Perchlorate	"	(1) 125 ml Poly	"	"
1433 c	NO3/NO2	Eq/H2SO4	(1) 250 ml Poly	"	"

Continued from page

Read and Understood By

3-20-2025

B-150

3-24-25

Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3-20-2025 Page _____ of _____

Sample Location: BLM-5-527

Analytical Requirement

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	VOA	607	Dioxins/Furans	TDS				Charge Number
											XGMID
250320 1425 c		3	A	X							
1426 c		3		X							
1427 c	FB	3		X							
1428 c		1			X						
1429 c	Dup	1			X						
1430 c		2				X					
1431 c		1					X				

Sample Location:

Analytical Requirement

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Perchlorate	1004/1003						Charge Number
250320 1432c		1	A	X							
1433 c		1	A		X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	3-20-2025 1515			3-24-25 0810

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

WSTF 381C (05/2016)

Al Montes & 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 G3 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 20 ntu STD.

Initial DTW = 498.78 ft.
Final " = 498.85
Low = 1.5 gal.

Parameters (Time)	Temp	Cond	DO	PH	ORP	Turb
250318 0915 c	20.17	962	5.17	7.65	207	1.59
—— 0917 c	20.18	961	5.13	7.61	208	1.46
—— 0919 c	20.18	962	5.16	7.62	208	1.52

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250318 0924 c	Voc by 8260 LL	Ice/HCl	(3) 40 ml Vial	27774	ALS
—— 0925 c	" " (FB)	"	"	"	"
—— 0926 c	NDMA 10 ppt Bromacil by 607	Ice	(1) 1L Amber	0119901	SRL
—— 0927 c	NDMA LL	"	"	"	"
—— 0928 c	" " (FB)	"	"	"	"
—— 0929 c	Total metals	Ice/HNO3	(2) 125 ml Poly	102124	ALS
—— 0930 c	" " (Dup)	"	"	"	"

Continued from page

Read and Understood By

3-18-2025 3-19-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.18.25 Page 1 of 1

Sample Location: BW. 7.509

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: LL8260	607	LL2DMA	TOTAL METAL				Charge Number
250318 0924 C		3	A	X							XGMD
0925 C	FB	3		X							
0926 C		1			X						
0927 C	FB	1				X					
0928 C	FB	1				X					
0929 C		2					X				
0930 C		2					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]	3.18.25 1045		[signature]	3-19-25 / 0810

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

WSTF 381C (05/2016)

Marcus Avalos + Dan Halvorsen present. Weather is windy, dusty, cloudy, + cold. This well will be purged using a dedicated bladder pump. Samples will be collected using a new teflon discharge tube. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy Ca. 1.

Initial DTW · 378.00'

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

Parameters (time)	Temp (°C)	Cond (us/cm)	DO	ORP	pH	Turb (NTU)	DTW (ft)
1) 250314 1250 C	19.25	820.42	7.26	220.9	7.66	0.68	378.45'
2) —— 1255 C	19.23	818.62	7.29	221.5	7.65	0.47	=
3) —— 1300 C	19.24	813.27	7.24	222.7	7.64	0.55	=

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250314 1310 C	VOA by 8260	HCl/Ice	(3) 40 ml vials	2774	ALS
—— 1311 C	= (FB)	=	=	=	=
—— 1312 C	607/Bromacil	Ice	(1) L Amber	011990 J	SIEX
—— 1313 C	Low Level NDMA	=	=	=	=
—— 1314 C	= (Dup)	=	=	=	=
—— 1315 C	= (FB)	=	=	=	=
—— 1316 C	Anions/Alk	Ice/Zero HS	(2) 250 ml poly	052624 2ERG	ALS
—— 1317 C	TDS by SM2540C	Ice	(1) =	091823 2ADD	=
—— 1318 C	Perchlorate 6850	Ice/1/3 HS	(1) 125 ml poly	081224 2ERD	=
—— 1319 C	NO2/NO3 353.2	H_2SO_4/Ice	(1) 250 ml poly	093024 4EK1	=

Total Gallons Purged · 1.5 gal

Continued from page

Read and Understood By

3/14/25

3-17-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/14/25 Page 1 of 1

Sample Location: BIM·9·419

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	LL NDMA	Anions/Alk				Charge Number
250314 1310C	3	A	X							XGMD
— 1311C (FB)	3		X							
— 1312C	1			X						
— 1313C	1				X					
— 1314C (Dup)	1				X					
— 1315C (FB)	1				X					
— 1316C	2	↓				X				↓

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: TOS	Perchlorate	NO2/NO3					Charge Number
250314 1317C	1	A	X							XGMD
— 1318C	1	↓		X						↓
— 1319C	1	↓			X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	3/14/25 @ 1335		[signature]	3-17-25

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

WSTF 381C (05/2016)

3/3/25

PROJECT BLM-13-300 WJI ENV-0053

Notebook No. D32#136(A) 21

Continued from page N/A

Marcus Avalos & Craig Del Ferraro present. Weather is clear, cool, & windy. 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.

Trip blanks - Water purification system

Sample	Analysis	Preservative	Container	Lot	Lab
250303 0750A	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS
——— 0751A	Low Level NDMA	ice	(1) 1L Amber	0119101J	SRI

Parameters (time)	temp (°C)	cond (us/cm)	DO	ORP	PH	Turb (NTU's)	DTW (ft)
1) 250303 0930A	19.22	1133.3	6.81	119.7	7.78	1.20	248.90
2) ——— 0933A	19.20	1132.0	6.59	120.4	7.77	1.06	248.90
3) ——— 0936A	19.24	1130.4	6.38	121.8	7.75	1.03	248.95

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250303 0945A	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS
——— 0946A	" (FB)	"	"	"	"
——— 0947A	GRO by 8015D	"	"	"	"
——— 0948A	607/Bromacil	ice	(1) 1L Amber	0119101J	SRI
← ——— 0949A	* " (MS)*	"	"	"	"
——— 0950A	Low Level NDMA	"	"	"	"
——— 0951A	" (FB)	"	"	"	"
——— 0952A	SVOA by 8270D	"	(2) 500ml amb.	090224-1HY	AL
——— 0953A	DRO by 8015D	"	(1) 500ml amb.	"	"
——— 0954A	Total Metals	ice/HNO_3	(2) 125ml polys	N/A	"
——— 0955A	Anions/Alk.	ice	(2) 250ml polys	052024-2ERG	"
——— 0956A	TDS by SM2540C	"	(1) 250ml poly	101424-2ADD	"

Continued from page N/A

Read and Understood By

Craig Del Ferraro — Signed — 3/3/25 — Date

B-156

Pete Mundt — 3-4-25

3/3/25

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PROJECT BLM-13-300 WJI ENV-0053

Notebook No. D32 #136 (A)

Continued from page 21

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250303 0957A	Perchlorate by 6850	ice	(1) 125ml poly	110424-2ERD	ALS
——— 0958A	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	010825-4EKI	"

Initial DTW: 247.98ft.

Total gallons purged: 1

Continued from page 21

Read and Understood By

Craig Del Zuno Signed 3/3/25 Date B-157 Jon W Munda Signed 3-4-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/3/25 Page 1 of 2

Sample Location: BLM-13-300

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	8260	GRO	607	LLNDMA				Charge Number
250303~~0945~~0750A (TB)	ED	3	A	✓							XGMD
0751A (TB)		1	A				✓				u
0945A		3	A	✓							u
0946A (FB)		3	A	✓							u
0947A		3	A		✓						u
0948A		1	A			✓					u
0949A (MS)		1	A			✓					u

Sample Location: BLM-13-300

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	LLNDMA	SVOA	DRO	Total Metals	Anions/Alk.	TDS		Charge Number
250303 0950A		1	A	✓							XGMD
0951A (FB)		1	A	✓							u
0952A		2	A		✓						u
0953A		1	A			✓					u
0954A		2	A				✓				u
0955A		2	A					✓			u
0956A		1	A						✓		u

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Deltorro	3/3/25/1050hrs			3-4-25 / 0830

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

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/3/25 Page 2 of 2

Sample Location: BLM-13-300

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Perchlorate	Analytical Requirement: NO_2/NO_3	Charge Number
250303 0957A	1	A	✓		XGMD
0958A	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 DelZucco	3/3/25 / 1050hrs	[signature]	3-4-25 / 0830

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

3/6/25

PROJECT BLM-42-569 WJI ENV-0053 Notebook No. D32 #136(A) 25

Continued from page NA

Matt Garcia & Al Montes present. Weather is windy & warm. well purged & sampled using dedicated bladder Pump. Samples collected with a new Teflon hose. water quality Parameters taken prior to sample. Carboy - G1. Packer Pressure: 16 psi IDW - 3gal.

Trip Blanks

Sample	Analysis	Preserv	Cont.	Lot	Lab
250306 0730A	8260LL	Ice/HCL	(3)40 ML vials		AL
——— 0731A	LL NDMA	Ice	(1)1L Amber		SRL

Parameters	PH	Temp (oC)	Cond (us/cm)	Turb (NTU's)
1) 250306 1040A	8.06	19.3	6048	0.71
2) ——— 1045A	7.95	20.0	6045	0.93
3) ——— 1056A	8.01	20.1	651	0.77

PH Pre - 7.09, 10.13 (10.5)
" Post - 7.13, 10.13

Meter ID
PH/Cond - 92
Turb - 6
" STD - 4.86
" RDG - 4.89
" Lot - A3333
" EXP - 3/31/25

Samples

Sample	Analysis	Preserv	Cont.	Lot	Lab
250306 1051A	8260LL	Ice/HCL	(3)40ML vials	2774	AL
——— 1052A	" (FB)	Ice/HCL	"	"	"
——— 1053A	" (MS)	"	"	"	"
——— 1054A	LL NDMA	Ice	(1)1L Amber	01199101J	SRL
——— 1055A	" (FB)	"	"	"	"
——— 1056A	" (BC)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia 3/6/25 Signed Date

B-160

Per Munde 3-10-25 Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/6/25 Page 1 of 1

Sample Location: BLM-42-569

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA 8260C	Analytical Requirement: LL NDMA						Charge Number
250306007 30A TB	3		X							X GMD
0731A TB	1			X						
1051A	3		X							
1052A (FB)	3		X							
1053A (MS)	3		X							
1054A	1			X						
1055A (FB)	1			X						

Sample Location: BLM-42-569

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL NDMA							Charge Number
250306007 1056A (BC)	1	A	X							X GMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	3/6/25 1425MST	[signature]	3-10-25 / 0815

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

Tony Torrez & Dan Halvorsen present. Weather is partly cloudy, windy and cool. This well will be purged and sampled using a decontaminated 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.

Trip Blanks

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
250312124504	NDMA LL	Ice	(1) 1L Amber	0119901	SRL

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	ORP	Turb
250312 1400 A	21.39	573	7.73	8.09	93.8	0.59
1402 A	21.38	571	7.71	8.03	93.7	0.53
1404 A	21.38	574	7.70	8.04	93.7	0.57

SAMPLES

SAMPLE #	Analysis	Preserve	Container	LOT	LAB
250312 1410 A	VOA by 8260 LL	Ice/HCl	(3) 40 ml VOA	2774	ALS
1411 A	" " (FB)	"	"	"	"
1412 A	NDMA LL	Ice	(1) 1L Amber	0119901	SRL
1413 A	" " (FB)	"	"	"	"

Packer: 16 psi.
IDW = 2.5 gal.

Continued from page

Read and Understood By

3-12-2025 Date

Signed

3-13-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3-12-2025 Page _____ of _____

Sample Location: BLM 42-339

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: VOA	Analytical Requirement: DOM ALL						Charge Number: X6MD
250312 1410 A		3	A	X							
1411 A	FB	3		X							
1245 A	TB	1		X	X						
1412 A		1			X						
1413 A	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:
	3-12-2025 1515			3-13-25 0800

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

WSTF 381C (05/2016)

Dan Halvorsen & Craig Del Ferraro present. Weather is cloudy, cool, and windy. 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 AquaTroll 500. Carboy R2 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)	DTW (ft)
1) 250306 0900C	21.41	976.30	1.60	57.5	7.92	1.14	247.40
2) ——— 0903C	21.36	979.81	1.63	59.0	7.90	1.07	247.40
3) ——— 0906C	21.35	982.25	1.57	59.8	7.90	1.00	247.40

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250306 0915C	VOA by 8260	ice / HCL	(3) 40ml vials	2774	ALS
——— 0916C	" (FB)	"	"	"	"
——— 0917C	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI

Initial DTW: 245.69 ft. Total gallons purged: 1.5

Continued from page N/A

Read and Understood By

Craig Del Ferro 3/6/25 Ron Munck 3-6-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/6/25 Page 1 of 1

Sample Location: BW-6-355

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607						Charge Number
250306 0915C	3	A	✓							XGMD
0916C (FB)	3	A	✓							"
0917C	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 Frenno	3/6/25/0950hrs.			3-10-25 / 0815

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

WSTF 381C (05/2016)

3.27.25

PROJECT NASA 3 WSI ENV.0053

Notebook No. D32 # 136 (A) 33

Continued from page

Marcus Avalos & Matt Garcia presents. Weather is very hazy & 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.

Initial DTW - 125.60'

Calibrations
DO - Cal in 100% saturated air
PH - = using 4,7,10 Buffers
Cond - = using 1413 us/cm STD.
Turb - = using 20 NTU STD.

Parameters (time)	Temp (°C)	Cond (us/cm)	DO	PH	ORP	Turb (NTU)	DTW (ft)
1) 250327 0925 A	20.16	886.71	4.58	7.29	107.2	1.15	126.10'
2) —— 0928 A	20.19	886.36	4.59	7.29	110.8	1.02	=
3) —— 0931 A	20.14	884.18	4.58	7.30	116.9	0.95	=

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250327 0935 A	TDS by SM2540C	Ice	(1) 250 ml poly	0918232ADD	ALS
—— 0936 A	TKN	H_2SO_4/Ice	=	0106254EK1	=
—— 0937 A	Chloride	Ice	=	0918232ADD	=
—— 0938 A	NO2/NO3 353.2	H_2SO_4/Ice	=	0918232ADD	=

Total Gallons Purged - 0.75 gal

Continued from page

Read and Understood By

Signed — Date 3.27.25 — Signed — Date 3-31-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/27/25 Page 1 of 1

Sample Location: NASA 3

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	TDS	TRW	Chloride	NO_3^-				Charge Number
250327 0935A	1		X							~~X004~~
0936A	1			X						
0937A	1				X					
0938A	1					X				

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*								Charge Number

Analytical Requirement

X002

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	3/27/25 1030MST		[signature]	3-31-25 / 0815

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

WSTF 381C (05/2016)

ROBERT BURROWS & TONY TORRES PRESENT. THE WEATHER IS OVERCAST & Cool. THIS WELL WILL BE PURGED & SAMPLED WITH A DEDICATED TEFLON Bladder pump SAMPLES COLLECTED FROM A TEFLON DISCHARGE TUBE.

TOTAL DEPTH	171.16
INITIAL DTW	136.80
PURGE RATE	0.17
3 CASING VOLS	17 GALLONS
PURGE START	0755
PURGE STOP	1010

METERS

pH Kit #	92
Turb #	6
" std	4.86
" Rdg	4.95
" Exp	3-31-25

INITIAL	FINAL
250327 1000C	250327 1010C
pH 8.70	8.78
Temp 21.0°C	22.4
Cond 1284 µs/cm	1280 µs/cm
Turb 9.20	8.81
Phpre 7.01/10.04	7.01/10.01
Phpost 7.00/10.04	7.01/10.00

SAMPLES

SAMPLE #	Analysis	Preserv	Cont	Lab
250327 1005C	TDS	ICE	(3) 250ml poly	ALS
1006C	TKN	ICE/H_2SO_4	1	"
1007C	Chloride	ICE	1	"
1008C	NO_2+NO_3	ICE/H_2SO_4	1	"

Continued from page

Read and Understood By

T. D 3-27-25 Paul Munch 3-31-26

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3-27-25 Page 1 of 1

Sample Location: NASA 4

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: TS	TC 2	Chloride	NO2/NO3				Charge Number
										X002
250327 1005c	1	A	X							
1006c	1			X						
1007c	1				X					
1008c	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]	3-27-25 / 1100		[signature]	3-31-25 / 0815

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

WSTF 381C (05/2016)

ROBERT BURROWS & TONY TORRES PRESENT. THE WEATHER IS CLEAR & BREEZY
THIS WELL WILL BE PURGED & SAMPLED USING A DEDICATED TEFLON BLADDER PUMP
SAMPLES COLLECTED FROM A TEFLON DISCHARGE TUBE. WATER IS RUST COLOR
AT FIRST. WAITING FOR WATER TO CLEAR up.

TOTAL DEPTH	135.24
INITIAL DTW	117.50
3 CASING VOLS =	9 gallons
PURGE START	0830
PURGE STOP	1000
PURGE RATE	0.10 gpm

METER ID's
pH/cond 92
Turb 6
" Std 4.86
" Rdg 5.01
" LOT# A5333
" EXP 3/31

	INITIAL	FINAL
250326	1000c	1015
pH	7.05	7.85
TEMP	21.4	21.3
COND	1301	1253
Turb	5.11	5.17
pHpre	7.01/10.02	7.00/10.05
pHpost	7.05/10.01	7.00/10.02

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250326 1010c	TDS	ICE ~~HCl~~ HT	(1) 250ml poly	ALS
—— 1011c	TKN	ICE ~~HCl~~ H_2SO_4	"	"
—— 1012c	Chloride	ICE	"	"
—— 1013c	NO_2/NO_3	ICE ~~HCl~~ H_2SO_4	"	"

Continued from page

Read and Understood By

T.S. 3-26-25 Tom Munch 3-31-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3-26-25 Page _____ of _____

Sample Location: NASA 5

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	TOC	TIC	Chloride	NO3 2023				Charge Number
										X002
250326 1010C			X							
1011C				X						
1012C					X					
1013C						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. D.	3-26-25 / 1030			3-31-25 / 0815

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

3/13/25

8

PROJECT PL-2-504 WJI ENV-0053

Notebook No. D32# 136 (A)

Continued from page N/A

Matt Garcia & Tony Torrez Present. Weather is clear & warm. Zone sampled using dedicated pump. Samples taken with new teflon hose and water parameters taken using Insitu Aquatroll 500

Carboy G1

Calibrations

DO - 100% Saturated air

pH - 4, 7, 10 Buffers

Cond. 1413 us/cm STD.

Turb - NTU STD (20)

Parameters	Temp (oC)	Cond (uS/cm)	DO (mg/L)	pH	ORP	Turb
250313 1340A	21.71	934.48	4.17	7.94	98.1	.78
——— 1345A	20.97	928.94	3.90	7.93	100.3	.88
——— 1350A	21.28	931.24	3.92	7.93	101.1	.65

Samples

Sample	Analysis	Preserv	cont.	Lot	Lab
250313 1400A	8260	Ice/HCl	(3) 40 mL vials	2774	ALS
——— 1401A	" (FB)	"	"	"	"
——— 1402A	6007	Ice	(1) 1L Amber	011901J	SRI
——— 1403A	LL NOMA	"	"	"	"
——— 1404A	" (FB)	"	"	"	"

Continued from page

Read and Understood By

B-172

Matt Garcia 3/13/25

Tom Munck 3-14-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/13/25 Page 1 of 1

Sample Location: PL-2-504

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	6007	LL NO3 N4					Charge Number
250313 1400A	3	A	X							X GMD
-1401A (FB)	3	↓	X							↓
-1402A	1			X						
-1403A	1				X					
-1404A (FB)	1	↓			X					↓

Sample Location:

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

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Gass	3/13/25 1500hrs		[signature]	3-14-25 / 0845

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

3/5/25

PROJECT PL-4-4604 WSI ENV-0053

Notebook No. D32 #1360(4) 23

Continued from page NA

Matt Garcia & AL Montes present. Weather is clear & sunny. well will be purged & sampled using dedicated bladder pump. Samples collected using a new teflon hose. Water quality Parameters taken Prior to sample. carboy-G1. Initial DTW -455.20. IDW gals-2gal.

Parameters	PH	Temp (°C)	cond us/cm	Turb (NTUs)	DHpre	PH Post	DTW (FT
1) 250305 0900A	7.46	17.5	1109	.32	6.99, 10.19 (15.2°C)	"	455.
2) —— 0905A	8.49	17.8	1102	.82	6.99, 10.20 (15.3)	6.97, 10.17	"
3) —— 0910A	7.85	19.1	1105	.45	6.97, 10.15 (15.5)	6.99, 10.18	"

Meter ID

PH/cond - 92

Turb - 6

1. STD - 4.00

1. RDG - 5.21

1. LOT - A353

1. EXP - 3/31/25

Samples

Sample	Analysis	Preserv	Lot	Cont.	La
250305 0915A	8260	Ice/HCL	R774	(3) 40ML vials	A
—— 0916A	" (FB)	"	"	"	"
—— 0917A	6007	Ice	6119005	(1) 1L Amber	SR
—— 0918A	2L NDMA	"	"	"	"
—— 0919A	" (FB)	"	"	"	"
—— 0920A	T. Metals	Ice/HNO_3	NA	(2) 125ML Poly	A

Continued from page

Read and Understood By

Matt Garcia
Signed

3/5/25
Date

B-174

Jon Munch
Signed

3-6-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/5/25 Page 1 of 7

Sample Location: PL-4-464

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260	6007	LLWDMA	T. Metals				Charge Number
250305091 5A	3	A	X							XGMD
0916A (FB)	3	↓	X							
0917A	1			X						
0918A	1				X					
0919A (FB)	1				X					
0920A	2	↓				X				

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*								Charge Number

Analytical Requirement

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Boss	3/5/25 0945hrs		[signature]	3-6-25 / 0815

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

Marcus Avalos & Robert Borrows 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. Surface checks performed on probe prior to sampling.

Carboy C-3

30 Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250317 1035 Y	VOA by 8260LL	HCl/Ice	(3) 40ml/vials	2774	ALS
—— 1036 Y	Low Level NDMA	Ice	(1) 1L Amber	01199015	SRI

Initial Parameters		Final	
Time	250317 1105 Y	250317 1400 Y	
PH	7.34	7.17	
Temp	21.4°C	22.6°C	
Cond	1000 us/cm	1083 us/cm	
Turb	1.42 NTU	1.84	
PH pre	7.02/10.03 (17.4°C)	6.99/10.05 (27.3°C)	
PH post	7.00/10.06	7.02/10.02	
Atmos	12.52 psia	12.54 psia	
DTW	456.89'	457.05'	
		IDW -	

Meter ID

PH/Cond - #15
Turb - #7
= STD - 53.8 NTU
= RDG - 51.3 NTU
= LOT - A3333
= EXP - 3/31/25

Buffers	lot	EXP
7	CC779793	8/25
10	CC778341	6/25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250317 1255 Y	VOA by 8260LL	HCl/Ice	(3) 40ml/vials	2774	ALS
—— 1256 Y	Low Level NDMA	Ice	(1) 1L Amber	01199015	SRI
—— 1320 Y	1,4-Dioxane 8270D	=	(1) 250ml/Amber	07112214Y	ALS
—— 1340 Y	Total Metals	HNO3/Ice	(2) 125ml/poly	NA	=

Runs	1)	2)	3)	4)	5)
	15.67	15.62	15.60	15.58	15.54
	20.83	20.82	20.80	20.78	20.79
	20.79	20.81	20.82	20.79	20.86
	15.66	15.64	15.62	15.59	15.54

Continued from page

Read and Understood By

3.17.25 Date

Signed

3-18-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.17.25 Page 1 of 1

Sample Location: Pl. 8.455

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260LL	LL NDMA	1,4 Dioxane	T. Metals				Charge Number
250317103SY (EB)	3	A	X							XGMD
1036Y (EB)	1			X						
1255Y	3		X							
1256Y	1			X						
1320Y	1				X					
1340Y	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]	3.17.25 @ 1430Y		[signature]	3-18-25 / 0820

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

WSTF 381C (05/2016)

PROJECT Pl.8.605 WJI ENV.0020 3/13/25

Notebook No. 064 # 133 (Y)

Continued from page

Marcus Avalos & Al Montes present. Weather is cloudy, breezy, & cool. This zone will be sampled using 5 steam cleaned + Triple rinsed, stainless steel sample tubes. Geo in use, Probe # 1539. Surface checks performed on probe prior to sampling.

Carboy C-2

30-Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250313090OY	VOA by 8260LL	HCl/Ice	(3) 40ml vials	2774	A/S
—— 0901Y	Low Level MMA	Ice	(1) 1L Amber	011990TJ	SRI

Initial Parameters		Final	
Time	250313094OY	250313131SY	
PH	7.43	7.25	
Temp	20.8°C	21.8°C	
Cond	1095 us/cm	1083 us/cm	
Turb	1.12 NTU	1.07 NTU	
PHpre	6.98/10.01	(17.3°C)	6.99/10.04 (23.3°C)
PHpost	6.97/10.03		7.02/10.05
Atmos	12.42 psia		12.45 psia
DTW	456.40'		456.52'
			IDW - 0.5 gal

Meter ID

PH/Cond - #15

Turb - #7

- STD - 53.8 NTU
- ROG - 52.8 NTU
- LOT - A3333
- EXP - 3/31/25

Buffers	lot	Exp
7	CC779793	8/25
10	CC783411	6/25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250313100SY	VOA by 8260LL	HCl/Ice	(3) 40ml vials	2774	A/S
—— 1006Y	Low Level MMA	Ice	(1) 1L Amber	011990TJ	SRI
—— 1035Y	" (Dup)	"	"	"	"
—— 1036Y	1,4-Dioxane 8270D	"	(1) 250ml Amber		A/S
—— 1310Y	Total Metals	HNO3/Ice	(2) 125 ml poly	NA	"

Runs	1)	2)	3)	4)
	81.52	81.48	81.47	81.41
	85.82	85.82	85.82	85.83
	85.80	85.81	85.82	85.81
	81.50	81.47	81.45	81.36

Continued from page

Read and Understood By

MA 3/13/25 B-178 Date

Signed 3-14-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3·13·25 Page 1 of 1

Sample Location: PL-8-606

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL NDMA	1,4 Dioxane	Total Metal				Charge Number
250313 09004 EB	3	A	X							XGMD
09014 EB	1	A		X						
10054	3	A	X							
10064	1	A		X						
10354 DUP	1	A		X						
10364	1	A			X					
13104	2	A				X				

Sample Location: PL-8-965

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL NDMA	Total Metals					Charge Number
250313 14004 EB	3	A	X							XGMD
14014 EB	1	A		X						1

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MJ	3.13.25 @ 1525		Jon Lynch	3-14-25 / 0845

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

Marcus Avalos & Robert Borrows present. Weather is breezy & 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 prior to sampling.
* While sampling weather got real windy & dusty.

Carboy G.3
30-Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250318090OY	VOA by 8260LL	HCl/Ice	(3) 40ml vials	2774	ALS
—— 0901Y	Low Level NDMA	Ice	(1) 1L Amber	01199015	SRI

Initial Parameters	Final	Meter ID
Time - 250318094OY	250318125SY	PH/Cond - #15
PH - 7.83	7.54	Turb - #7
Temp - 21.8°C	22.2°C	= STD - 53.8 NTU
Cond - 955 us/cm	1009 us/cm	= BDG - 53.2 NTU
Turb - 1.63 NTU	1.27 NTU	= LOT - A3333
PH pre - 7.00/10.01 (20.7°C)	6.98/9.99 (21.1°C)	= EXP - 3/31/25
PH post - 6.94/10.03	6.98/10.04	
Atmos - 12.43 psia	12.44 psia	
DTW - 457.05'	457.25'	
	IDW - 0.5 gal	

Buffers	lot	Exp
7	CC779793	8/25
10	CC783911	6/25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250318100SY	VOA by 8260LL	HCl/Ice	(3) 40ml vials	2774	ALS
—— 1006Y	607/Bromacil	Ice	(1) 1L Amber	01199015	SRI
—— 1007Y	Low Level NDMA	"	"	"	"
—— 1030Y	Total Metals	HNO3/Ice	(2) 125ml poly	NA	ALS
—— 1050Y	Anions/Alk	Ice/Zero HS	(2) 250ml poly	101424ZA00	"
—— 1051Y	TDS by SM2540C	Ice	(1) 250ml poly	091823ZA00	"
—— 1052Y	Perchlorate 6850	Ice/1/3 HS	(1) 125ml poly	110424ZERD	"
—— 1053Y	NO2/NO3 by 353.2	H2SO4/Ice	(1) 250ml poly	010625YEK1	"
Runs1) 157.17	2) 157.05	3) 156.98	4) 156.93	5) 156.91	
161.10	161.05	161.03	161.05	161.03	
161.08	161.05	161.07	161.03	161.00	
157.18	157.01	157.00	156.91	156.86	

Continued from page

Read and Understood By

Signed 3/18/25 Date

Signed 3-19-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.18.25 Page 1 of 1

Sample Location: PI-8-780

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260LL	607/8260	LL NDMA	T. Metals	Anions/AIK			Charge Number
250318090014 (EB)	3	A	X							XGMD
09014 (EB)	1				X					
10054	3		X							
10064	1			X						
10074	1				X					
10304	2					X				
10504	2						X			

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	TDS	Perchlorate	NO2/NO3					Charge Number
250318105104	1	A	X							XGMD
10524	1			X						
10534	1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	3.18.25 @1325		[signature]	3-19-25 / 0810

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

WSTF 381C (05/2016)

Marcus Avalos & Al Montes present. Weather is clear, warm, windy. 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 prior to sampling.

Carboy C4.2
30. Min Equipment Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250313140OY	VOA by 8260LL	HCl/Ice	(3) 40ml vials	2774	ALS
—— 1401Y	Low Level NONA	Ice	(1) 1L Amber	0119901J	SRI

Initial Parameters	Final	Meter ID
Time - 250313145OY	250317094OY	pH/Cond - #15
pH - 7.57	7.65	Turb - #7
Temp - 23.6°C	17.1°C	= STD - 33.8 NTU
Cond - 878 us/cm	1038 us/cm	= 1206 - 52.8 NTU
Turb - 1.43 NTU	1.28 NTU	= LOT - A3333
PHpre - 7.06/10.02 (25.4°C)	6.98/10.04 (19.4°C)	= EXP - 3/31/25
PHpost - 7.04/10.04	6.97/10.02	
Atmos - 12.41 psia	12.48 psia	
DTW - 456.52'	456.89'	
	IDW - 0.5 gal	

Buffers	lot	EXP
7	CC779793	8/25
10	CC778341	6/25

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250317090OY	VOA by 8260LL	HCl/Ice	(3) 40ml vials	2774	ALS
—— 0901Y	607/Bromacil	Ice	(1) 1L Amber	0119901J	SRI
—— 0902Y	Low Level NONA	=	=	=	=
—— 0940Y	Total Metals	HNO3/Ice	(2) 125ml poly	NA	ALS

Runs	1)	2)	3)
	238.00	238.03	238.00
	242.26	241.41	241.42
	242.24	241.38	241.39
	238.00	238.03	237.97

* R. Burrows Replaced Al Montes on 3/17/25

Continued from page

Read and Understood By

Signed 3/17/25 Date

Signed 3-18-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.17.25 Page 1 of 1

Sample Location: Pl. 8 - 965

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	657/RSO	LL NDMA	T. Metals				Charge Number
250317 0900Y	3	A	X							XGMD
0901Y	1	1		X						1
0902Y	1	1			X					1
0940Y	2	1				X				1

Sample Location:

Pertinent Notes (if any)

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

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MA GA	3.17.25 @ 1100		[signature]	3-18-25 / 0820

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

WSTF 381C (05/2016)

3/3/25

10
PROJECT PL-11-470 WJI ENV-0110 (Flute)

Notebook No. D32 #157(13)
Continued from page NA

Matt Garcia & AL montes present. Weather is very windy and temp at 62°F. This zone will be Purged & sampled using a Flute system. Samples will be collected using a dedicated discharg hose. This zone will be purged every 15 min. and a minimum of 4 gallons purged prior to sampling. Purge Pressure set @ 22.7 psi. Sample Pressure @ 20.5 psi. Bubbler set @ 3psi, stable @ 6psi. First 350mL will be discarded. Carboy 62

Pre-Parameters	Sample Parameters	Meter I.D
Time - 250303 1200B	250303 1220B	PH/cond. 92
PH - 8.21	8.25	Turb - 6
Temp - 18.4°C	18.6°C	" STD - 4.86
Cond - 1101 us/cm	1111 us/cm	" EDG - 4.75
Turb - 1.56 NTUs	1.47 NTUs	" Lot - A3335
PH Pre - 7.05, 10.10	7.04, 10.10	" EXP - 3/31/25
PH Post - " "	" "	

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250303 1225B	8260LL		(3)40mL vials	2779 011990 1Snc	ALS
1226	" (FB)	"	"	"	"
1227	LL-NDMA		(1)1L Amber	011990.5	SRI
1228	" (FB)	"	"	"	"
1229	1,4-Dioxane		(1)250mL Amber	111422165	ALS

Continued from page

Read and Understood By

Matt Garcia
Signed
3/3/25
Date

B-184

Jon Munck
Signed
3-4-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3·03·25 Page 1 of 1

Sample Location: PL·11·470

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL NDMA	1,4 Dioxane					Charge Number
250303 1225 B	3	A	X							XGMD
1226 B FB	3	A	X							
1227 B	1	A		X						
1228 B FB	1	A		X						
1229 B	1	A			X					

Sample Location: PL·11·530

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL NDMA	1,4 Dioxane					Charge Number
250303 1315 B	3	A	X							XGMD
1316 B FB	3	A	X							
1317 B	1	A		X						
1318 B FB	1	A		X						
1319 B	1	A			X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	3·03·25 2:50			3-4-25 / 0830

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

WSTF 381C (05/2016)

3/3/25

PROJECT PL-11-530 WSI ENV-0110 (Flute)

Notebook No. D32 II 137(B) 11

Continued from page NA

Matt Garcia & Almontes present. Weather is very windy and temp at 63°F. This zone will be purged & sampled using a Flute system. Samples will be collected using a dedicate discharge hose. This zone will be purged every 15min, a min. of 4gals. purged prior to sampling. Purge Pressure set @ 22PSI Sample Pressure @ 20PSI. Bubbler set @ 3 PSI & stable @ 60PSI. First 350mL will be discarded. Carboy - G2

Pre-Parameters	Sample Parameters	Meter I.D.
Time - 250303125 0B	250303131 0B	PH/Cond - 92
PH - 8.48	8.50	Turb - 6
Temp - 16.9°C	16.7°C	" STD - 4.8
Cond - 1048 us/cm	1052 us/cm	" RDG - 4.7
Turb - 1.56 NTUS	1.21 NTUS	" Lot - A333
PH Pre - 7.05, 10.10	7.06, 10.07	" EXP - 3/31/2
PH Post - " "	" "	

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250303131 5B	8260LL	Ice/HCl	(3) 40mL vials	2779	ALS
13116B	" (FB)	"	"	"	"
13117B	LL NDMA			611990 15	SRC
13118B	" (FB)	"	"	"	"
13119B	1,4 Dioxane			111422-163	ALS

Continued from page

Read and Understood By

Matt Garcia
Signed

3/3/25
Date

B-186

Pete Mundt

3-4-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3·03·25 Page 1 of 1

Sample Location: PL·11·470

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL 2MA	1,4 DIOXANE					Charge Number
250303 1225 TB	3	A	X							XGMD
1226 TB FB	3	A	X							
1227 TB	1	A		X						
1228 TB FB	1	A		X						
1229 TB	1	A			X					

Sample Location: PL·11·530

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL 8260	LL 2MA	1,4 DIOXANE					Charge Number
250303 1315 TB	3	A	X							XGMD
1316 TB FB	3	A	X							
1317 TB	1	A		X						
1318 TB FB	1	A		X						
1319 TB	1	A			X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	3·03·25 2:50			3-4-25 0830

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

WSTF 381C (05/2016)

3/4/25

12
PROJECT PL-11-710 WJI ENV-0110 FLute

Notebook No. 032 # 137 (B)
Continued from page NA

Matt Garcia & AL montes Present. The weather is windy & cool. This zone will be Purged & Sampled using a Flute System. Samples will be collected using a dedicated discharge hose. This zone Purged every 15 min. and minimum of 4 gallons purged prior to sampling. Purge Pressure @ 22 & Sample Pressure @ 205 psi. Bubbler set @ 3psi, Stable @ 6psi First 350mL Discarded. Carboy - G2

Pre-Parameters	Sample Parameters	Meter I.D.
Time - 250304 1130B	250304 1150B	PH/cond - 9
PH - 7.27	7.33	Turb -
Temp - 20.3 °C	20.6 °C	4.86 STD -
Cond - 1115 us/cm	1127 us/cm	4.49 RDG -
Turb - 2.24 NTUs	2.12 NTUs	A3555 Lot -
PH pre - 6.99, 10.03 (19.2°C)	6.96, 10.05	3/31/25 Exp -
PH post - " "	" "	

Samples

Sample	Analysis	Preserv	Cont.	Lot	Lab
250304 1200B	8260LL	Ice/HCl	(3) 40mL vials	2779	AL
——— 1201B	" (FB)	"	"	"	"
——— 1202B	LL NDMA	Ice	(1) 1L Amber	0119915	SR
——— 1203B	" (FB)	"	"	"	"
——— 1204B	1,4 Dioxane	"	(1) 250mL Amber	111422165	AL

Continued from page

Read and Understood By

Matt Garcia 3/4/25 Date

B-188

Jon Munde 3-5-25 Date

Signed

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.4.25 Page 1 of 2

Sample Location: PL-11-710

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	LL8260	LL NDMA	1,4 Dioxane					Charge Number
										XGMD
250304 1200B	3	A	x							
1201B FB	3		x							
1202B	1			x						
1203B	1			x						
1204B	1				x					

Sample Location: PL-11-870

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	LL8260	LL NDMA						Charge Number
										XGMD
250304 1225B	3	A	x							
1226B FB	3		x							
1227B	1			x						
1228B FB	1			x						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	3.4.2025 250			3-5-25 0815

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

WSTF 381C (05/2016)

3/4/25 Flute

PROJECT PL-11-820 WSI ENV-0110

Notebook No. D32 # 137 (B) 13

Continued from page NA

Matt Garcia & AL Montes Present. The weather is windy & cool. This zone will be Purged & sampled using a Flute system. Samples will be collected using a dedicated discharge hose. Zone Purged every 15 min with a minimum of 4 gals. Purged Purge Pressure - 227 psi. Sample Pressure - 205 psi Bubbler 3/6 psi First 350mLs Discarded Prior to sample. Carboy - G2

Pre-Parameters		Sample Parameters		Meter ID
Time	250304 1210B	250304 1220B		PH/Cond - 9B
PH	- 8.49	8.50		Turb - C
Temp	- 19.2 °C	19.8 °C		" STD - 4.86
Cond	- 1034 us/cm	1071 us/cm		" RDG - 4.49
Turb	- 1.95 NTU's	1.37 NTU's		" Lot - A3333
PH Pre	- 6.99, 10.03 (19.3°C)	7.01, 10.03	(19.6°C)	" EXP - 3/31/25
PH Post	- 7.01, 10.03	" 10.01		

Sample	Analysis	Samples Presery.	Cont.	Lot	Lab
250304 1225B	8260LL	Ice/HCl	(3) 40 mL vials	2779	ALS
—— 1226B	" (FB)	"	"	"	"
—— 1227B	LL NDMA	Ice	(1) 1L Amber	01191015	STL
—— 1228B	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia — Signed — 3/4/25 — Date

B-190

Lori Munch — Signed — 3-5-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.4.25 Page 1 of 2

Sample Location: PL-11-710

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	LL 8260	LL NDMA	1,4 Dioxane					Charge Number
										XGMD
250304 1200B	3	A	x							
1201B FB	3		x							
1202B	1			x						
1203B	1			x						
1204B	1				x					

Sample Location: PL-11-870

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	LL 8260	LL NDMA						Charge Number
										XGMD
250304 1225B	3	A	x							
1226B FB	3		x							
1227B	1			x						
1228B FB	1			x						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	3.4.2025 250			3-5-25 0815

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

Matt Garcia & AL Montes present. Weather is windy & cool. This zone will be purged & sampled using a FLute system. Samples will be collected using a dedicated discharge hose. Zone purged every 15 min with a minimum of 4 gals. purged.
Purge Pressure - 22 Psi. Sample Pressure - 20 Psi. Bubbler - 3/16 psi; carboy - 62

Pre-Parameters	Sample Parameters	Meter I.D.
Time 250304 1230B	250304 1250B	PH/cond - 92
PH - 8.68	8.51	Turb - 6
Temp 20.0°C	20.3°C	" STD - 4.00
Cond 968 us/cm	971 us/cm	" RD6 - 4.49
Turb 1.07 NTUs	1.12 NTUs	" Lot - A3333
PH pre 6.97, 10.03	6.97, 10.01	" Exp - 3/31/25
PH post 7.00. "	" "	

Sample	Analysis	Samples Preserv.	Cont.	Lot	Lab
250304 1255B	8260LL	Ice/HCl	(3)40mL vials	2779	
—— 1256B	" (FB)	"	"	"	"
—— 1257B	LL NDMA	Ice	(1)LL Amber	01199015	
—— 1258B	" (Dup)	"	"	"	"
—— 1259B	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia — Signed — 3/4/25 — Date

B-192

Pam Munds — Signed — 3-6-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3·4·25 Page 2 of 2

Sample Location: PL-11-980

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	LL8260	LL NDMA						Charge Number
										XGMD
ES0304 1255B	3	A	X							
1256B (FB)	3		X							
1257B	1			X						
1258B (FB)	1			X						
1259B DUP	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:
	3·4·2025 255			3-5-25 / 0815

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

3/5/25

PROJECT ST-4-481 WJI ENV-0053

Notebook No. D32 #1360 (A)

Continued from page NA

Matt Garcia & Al Montes present. Weather is clear & warm. Well Purged & sampled using dedicated bladder pump. Samples collected with new teflon hose. Water quality parameters taken prior to sample.

IDW gals: 2 Carboy - GS1 Initial DTW - 464.95 ft

Parameters

Sample	PH	Temp (°C)	Cond. (us/cm)	Turb (NTU)	PH pre	DO Post	DTW
1) 250305 1400A	7.42	19.9	1096	.077	7.15, 10.09	7.12, 10.11	464.9
2) ——— 1405A	7.35	20.1	1090	1.17	" "	" "	"
3) ——— 1410A MC	7.55	20.0	1100	1.10	7.11, 10.05	7.13, 10.11	"

Samples

Sample	Analysis	Preserv	cont.	Lot	Lab
250305 1420A	8260 LL	Ice/HCl	(3) 40 ML vials	27744	ALS
——— 1421A	" FB	"	" "	"	"
——— 1422A	LL NDMA	Ice	(1) 1L Amber	01199015	SRL
——— 1423A	" (FB)	"	" "	"	"
——— 1424A	" (MS)	"	" "	"	"
——— 1425A	" (MSD)	"	" "	"	"
——— 1426A	T. Metals	Ice/HNO_3	(2) 125 ML Poly	NA	ALS
——— 1427A	Anions/ALK	Ice/zero H.S.	(2) 250 ML Poly	0520242ERD	
——— 1428A	TDS	Ice	(1) 250 ML Poly	1104242ADD	
——— 1429A	Perchlorate	Ice/1/3 H.S.	(1) 125 ML Poly	1104242ERD	
——— 1430A	$NO_2 NO_3$	Ice/H_2SO_4	(1) 250 ML Poly	0106254ERI	

Trip Blanks

Samples	Analysis	Preserv	cont.	Lot	Lab
250305 0730A	8260 LL	Ice/HCl	(3) 40 ML vials	27744	ALS
——— 0731A	LL NDMA	Ice	(1) 1L Amber	01199015	SRL

Meter ID

PH/cond - 92

Turb - 6

STD - 4.80

RDG - 4.89

LOT # A3333 EXP - 3/31/25

Continued from page

Read and Understood By

Matt Garcia — Signed — 3/5/25 — Date

Ben Mundt — Signed — 3-6-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3-6-25 Page 1 of 1

Sample Location: ST-4-481

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260 LC	LC NDMA	T. Metals					Charge Number
250305-1420A	3	A	X							XGMD
1421A (FB)	3		X							
1422A	1			X						
1423A FB	1			X						
1424A MS	1			X						
1425A MSD	1			X						
1426A	2				X					

Sample Location: ST-4-481

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Anions/Alk	TDS	Perchlorate	NO3 NO2				Charge Number
250305-1427A	2	A	X							XGMD
1428A	1			X						
1429A	1				X					
1430A	1					X				

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	3/5/25 1535hrs		[signature]	3-6-25 / 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 & cool. this well will be purged and sampled using a FLUTe system. Samples will be collected using a dedicated teflon discharge hose. This zone will be purged at least 4 times every 15-20 min. ~~or~~ until 4 gallons has been collected. Purge pressure set @ 228 psi and sample pressure set at 207psi. Bubbler set @ 3psi and stable @ 7psi. The first 350ml collected just prior to sampling will be discarded. Carboy 61 in use.

Pre parameters
Time - 250310 1115B
PH - 7.68
Cond - ~~21.9 cd~~ 1139us/cm
Temp - 21.9 °c
Turb - 1.01 NTU's
pH pre - 7.10/10.07 (18.3°c)
pH post - 7.11/10.06

Parameters
Time - 250310 1140B
PH - 7.60
Temp - ~~1128us/cm cd~~ 22.3°c
Cond - 1128us/cm
Turb - 0.85 NTU's
pH pre - 7.04/10.01 (24.0°c)
pH post - 7.03/10.01

Meter ID
pH/Cond - 92
Turb - 6
" Std - 4.86 NTU's
" rdg - 4.90 NTU's
" lot - A3333
" Exp - 3/31/25

Buffers	Lot	Exp
7	CC779793	6/25
10	CC783411	8/25

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250310 1145B	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
—— 1146B	" (FB)	"	"	"	"
—— 1147B	Low Level NDMA	ice	(1) 1L Amber	011990 1J	SRI
—— 1148B	" (FB)	"	"	"	"
—— 1149B	1,4 Dioxane by 8270D	"	(1) 250ml amber	111422-1GJ	ALS

Transducer readings:
pressure: 28.89 psi
Temp: 24.14 °c
depth: 68.00 ft.

Total gallons purged: 4

Continued from page N/A

Read and Understood By

Craig Del Ferraro 3/10/25 B-196 Dan Halvorsen 3-10-25
Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/10/25 Page 1 of 1

Sample Location: ST-6-528

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260LL	LLNDMA	Dioxane					Charge Number
250310 1145B	3	A	✓							XGMD
1146B (FB)	3	A	✓							"
1147B	1	A		✓						"
1148B (FB)	1	A		✓						"
1149B	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 Wellenund	3/10/25/1300hrs.			3-11-25 /0830

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

WSTF 381C (05/2016)

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & cool. This well will be purged and sampled using a FLUTe system. Samples will be collected using a dedicated teflon discharge hose. This zone will be purged at least 4 times every 15-20 min until at least 4 gallons has been collected. Purge pressure set @ 228 psi and sample pressure set @ 207 psi. Bubble set @ 3 psi and stable @ 7 psi. The first 350 ml collected just prior to sampling will be discarded. Carboy GL in use.

Pre parameters	Parameters	Meter ID
Time - 250310 1125 B	Time - 250310 1155 B	pH/Cond - 92
PH - 7.70	PH - 7.79	Turb - 6
Temp - 20.9°C	Temp - 21.4°C	" Std - 4.86
Cond - 1113 us/cm	Cond - 1107 us/cm	" rdg - 4.90
Turb - 0.58 NTU's	Turb - 0.47 NTU's	" lot - A3333
pHpre - 7.10/10.06 (18.9°C)	pHpre - 7.03/10.02 (24.5°C)	" Exp - 3/31/2
pHpost - 7.10/10.07	pHpost - 7.01/10.00	

Buffers	Lot	Exp
7	CC799793	6/2
10	CC783411	8/2

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250310 1200 B	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
—— 1201 B	" (Dupl.)	"	"	"	"
—— 1202 B	" (FB)	"	"	"	"
—— 1203 B	Low Level NDMA	ice	(1) 1L Amber	011990 1J	SRI
—— 1204 B	" (FB)	"	"	"	"
—— 1205 B	1,4 Dioxane by 8270D	"	(1) 250ml Amber	111422-16J	ALS

Transducer readings:
pressure: 29.25 psi.
temp: 24.09°C
depth: 68.74 ft.

Total gallons purged: 4

Continued from page N/A

Read and Understood By

Craig DelFerraro — Signed — 3/10/25 — Date

B-198

Jon Munck — Signed — 3-10-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/10/25 Page 1 of 1

Sample Location: ST-6-568

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260LL	LLDMA	Dioxane					Charge Number
250310 1200B	3	A	✓							XGMD
1201B (Dupl.)	3	A	✓							"
1202B (FB)	3	A	✓							"
1203B	1	A		✓						"
1204B (FB)	1	A		✓						"
1205B	1	A			✓					"

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Craig Del Zuno	3/10/25/1300hrs.	[signature]	3-11-25/0830

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

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & cold. This well will be purged and sampled using a FLUTe system. Samples will be collected using a dedicated teflon discharge hose. This zone will be purged at least 4 times every 15-20 min until 4 gallons have been collect Purge pressure set @ 228 psi and sample pressure set @ 207 psi. Bubbler set at 3 psi and stable @ 7 psi. The first 350ml collected just prior to sampli will be discarded. Carboy G1 in use.

Trip blanks - Water purification system

Sample	Analysis	Preservative	Container	Lot	Lab
250311 0730B	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0731B	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRL

Pre-parameters

Time - 250311 1158
PH - 8.60
Temp - 19.8°C
Cond - 1070 us/cm
Turb - 1.35 NTU's
pHpre - 7.06/10.05 (22.0°C)
pHpost - 7.04/10.06

Parameters

Time - 250311 1145B
PH - 8.68
Temp - 20.3°C
Cond - 1056 us/cm
Turb - 1.12 NTU's
pHpre - 6.99/10.03 (23.3°C)
pHpost - 7.01/10.04

Meter ID

pH/Cond - 92
Turb - 6
" Std - 4.86
" rdg - 4.94
" Lot - A3333
" Exp - 3/31/25

Buffers	Lot	Exp
7	CC779793	6/25
10	CC783411	8/25

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250311 1146B	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 1147B	" (FB)	"	"	"	"
——— 1148B	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRL
——— 1149B	" (FB)	"	"	"	"
——— 1150B	1,4 Dioxane by 8270D	"	(1) 250ml amber	111422-1GJ	ALS

* No transducer readings available at this zone.

Total gallons purged: 4

Continued from page N/A

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/11/25 Page 1 of 1

Sample Location: ST-6-678

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	LLNDMA	Dioxane					Charge Number
250311 0730B (TB)	3	A	✓							XGMD
0731B (TB)	1	A		✓						"
1146B	3	A	✓							"
1147B (FB)	3	A	✓							"
1148B	1	A		✓						"
1149B (FB)	1	A		✓						"
1150B	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 Frerud	3/11/25 / 1330hrs.		[signature]	3-12-25 / 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 & cold. This well will be purged and sampled using a FLUTe system. Samples will be collected using a dedicated teflon discharge hose. This zone will be purged at least 4 times every 15-20 min. until 4 gallons have been collected. Purge pressure set @ 228 psi and sample pressure set @ 207 psi. Bubbl set @ 3psi and stable @ 7psi. The first 350 ml collected just prior to sample collection will be discarded. Carboy GI in use.

Pre-parameters

Time - 2503111125B
PH - 8.75
Temp - 19.7°c
Cond - 923us/cm
Turb - 1.81 NTU's
pH pre - 7.04/10.06 (22.3°c)
pH post - 7.02/10.05

Parameters

Time - 2503111150B 1151B CO
PH - 8.67
Temp - 19.9°c
Cond - 915us/cm
Turb - 1.47 NTU's
pHpre - 7.02/10.04 (23.5°c)
pHpost - 7.02/10.05

Meter ID

pH/Cond - 92
Turb - 6
" std - 4.86
" rdg - 4.94
" lot - A3335
" Exp - 3/31/25

Buffers	Lot	EXP
7	CC779793	6/25
10	CC783411	8/25

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
2503111155B	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
—— 1156B	" (FB)	"	"	"	"
—— 1157B	Low Level NDMA	ice	(1) 1L Amber	011901J	SRL
—— 1158B	" (FB)	"	"	"	"

Transducer readings:

pressure: 30.64 psi
Temp: 24.29°c
depth: 71.71 ft.

Total gallons purged: 4

Continued from page N/A

Read and Understood By

Craig Del Ferraro — 3/11/25 Date — B-202 — Signed — 3-11-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/11/25 Page 1 of 1

Sample Location: ST-6-824

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	Analytical Requirement: LLNDMA	Charge Number
250311115SB	3	A	✓		XGMD
1156B (FB)	3	A	✓		"
1157B	1	A		✓	"
1158B (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 Fernando	3/11/25/1330hrs.		[signature]	3-12-25 / 0815

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

3/11/25

PROJECT ST-6-970 FLUTe WSI ENV-0110

Notebook No. D32#137(B) 19

Continued from page N/A

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & cold. This well will be purged and sampled using a FLUTe system. Samples will be collected using a dedicated teflon discharge hose. This zone will be purged at least 4 times every 15-20 min. until 4 gallons have been collected. Purge pressure set @ 228 psi and sample pressure set at 207 psi. Bubbler set @ 3 psi and stable @ 7 psi. The first 350ml collected just prior to sampling will be discarded. Carboy GI in use.

Pre-parameters	Parameters	Meter ID
Time - 250311 1135B	Time - 250311 1205B	pH/cond - 92
PH - 8.16	PH - 8.12	Turb - 6
Temp - 21.1°C	Temp - 21.4°C	" Std - 4.86
Cond - 1066 us/cm	Cond - 1058 us/cm	" rdg - 4.94
Turb - 0.45 NTU's	Turb - 0.39 NTU's	" lot - A3333
pH pre - 7.02/10.05 (22.7°C)	pH pre - 7.01/10.04 (24.2°C)	" Exp - 3/31/25
pH post - 7.03/10.05	pH post - 7.02/10.03	

Buffers	Lot	Exp
7	CC779793	6/25
10	CC783411	8/25

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250311 1210B	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
—— 1211B	" (FB)	"	"	"	"
—— 1212B	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI
—— 1213B	" (FB)	"	"	"	"

*No transducer readings available at this zone.

Total gallons purged: 4

Continued from page N/A

Read and Understood By

Craig Del Ferraro — Signed — 3/11/25 — Date

B-204

Ian Munch — Signed — 3-11-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/11/25 Page 1 of 1

Sample Location: ST-6-970

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LLNDMA	Charge Number
250311210B	3	A	✓		XGMD
1211B (FB)	3	A	✓		4
1212B	1	A		✓	4
1213B (FB)	1	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 DelToro	3/11/25 / 1330hrs.		Jon Mundt	3-12-25 / 0815

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

WSTF 381C (05/2016)

3.26.25

Notebook No. DG4 #133(Y)

JECT WB-1-200 WSI ENV-0020

Continued from page

ssrs Avalos & Matt Garcia present. Weather is partly cloudy & warm. This zone will sampled using 5 steam cleaned triple rinsed stainless steel sample tubes. n in use. Probe # 1539. Surface checks performed on probe prior to sampling.

itial Parameters		Final	Meter ID	
me	- 250326.1400A	250326.1455A	pH/Cond	- #15
	- 7.54	7.66		
mp	- 23.7°C	21.8°C	Turb	- #7
nd	- 1231 uS/cm	1235 uS/cm	= STD	- 53.8 NTU
rb	- 2.14 NTU	1.66 NTU	= RSLT	- 51.2 NTU
ce	- 7.01/10.03 (25.7°C)	7.00/10.04 (26.2°C)	= LOT	- A3333
ost	- 6.99/10.01	7.02/10.02	= EXP	- 3/31/25
os	- 12.34 psia	12.31 psia		
W	- 191.90°	192.00°		
		IDW -		

Buffers	lot	Exp
7	CC77 9793	8/25
10	CC77 83411	6/25

SAMPLES

mple #	Analysis	Preserve	Container	lot	lab
3326 1430A	TDS by SM2540C	Ice	(1) 250 ml poly	0918232ADD	ALS
— 1431A	TKN	H2SO4/Ice	"	0104254EK1	"
— 1432A	Chloride	Ice	"	0918232ADD	"
— 1433A	NO2/NO3 353.2	H2SO4/Ice	"	0104254EK1	"

ns	1)	2)	3)
	19.95	19.91	19.92
	23.91	23.92	23.90
	23.95	23.88	23.92
	19.93	19.94	19.95

Continued from page

Read and Understood By

B-206

Signed	Date	Signed	Date
	3.26.25		3-31-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3.26.25 Page 1 of 1

Sample Location: WB.1.200

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	TDS	TKN	Chloride	NO2/NO3				Charge Number
250326 1430A	1	A	X							4002
1431A	1			X						
1432A	1				X					
1433A	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:
	3.26.25 @ 1815			3-31-25 / 0815

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

WSTF 381C (05/2016)

3/13/25

PROJECT WW-1-452 WJI ENV-0053

Notebook No. D32 #136(A) 27

Continued from page N/A

Matt Garcia & Tony Torrez Present. Weather is clear & cool. Well Purged & Sampled using dedicated bladder pump. Samples Collected with new Teflon hose. Water Parameters taken with Insitu Aqua troll 500. Carboy G1

Trip Blanks

Samples	Analysis	Preserv.	cont.	Lot	Lab
250313 0730A	8260 LL	Ice/HCL	(3) 40 ML vials	2774	AL
——— -0731A	LL NDMA	Ice	(1) L Amber	0119015	SR

Calibrations

DO - 100% Saturated air
PH - 4, 7, 10 Buffers
Cond - 1413 us/cm STD
Turb - NTU STD (20)

Parameters	Temp (°C)	Cond	DO	PH	ORP (MV)	Turb
250313 0930A	19.87	982.40	6.72	7.46	170.4	.60
——— 0935A	20.00	981.42	6.45	7.47	171.1	.52
——— 0940A	20.05	986.04	6.68	7.45	183.4	.55

Samples

Samples	Analysis	Preserv	cont	Lot	Lab
250313 0950A	8260 LL	Ice/HCL	(3) 40 ML vials	2774	AL
——— 0951A	" (FB)	"	"	"	"
——— 0952A	6010	Ice	(1) L Amber	0119015	SR
——— 0953A	" (Dup)	"	"	"	"
——— 0954A	LL NDMA	"	"	"	"
——— 0955A	" (FB)	"	"	"	"
——— 0956A	T. Metals	Ice/HNO_3	(2) 125 mL Poly	NA	AL

Continued from page

Read and Understood By

Matt Garcia
Signed

3/13/25
Date

B-208

Peter W Mundy
Signed

3-14-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/13/25 Page 1 of 1

Sample Location: WW-1-452

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	607	LLVOMA	T. Metals				Charge Number
250313 0730A (TB)	3	A	X							XGMD
0731A (TB)	1	↓			X					↓
0950A	3		X							
0951A (FB)	3		X							
0952A	1			X						
0953A (DUP)	1			X						
0954A	1	↓			X					↓

Sample Location:

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LLVOMA	T. Metals						Charge Number
250313 0955A	1	A	X							XGMD
0956A	2	↓		X						↓

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Gonzales	3/13/25 1045hrs		Jon W Jumah	3-14-25 / 0845

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

WSTF 381C (05/2016)

Dan Halvorsen & Craig Del Ferraro present. Weather is clear & cool. This well will be purged and sampled 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. Packer inoperable/damaged - could not be inflated.

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
250317 0740C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0741C	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI

Parameters (time)	temp (c)	cond (us/cm)	DO	ORP	PH	Turb (NTU's)	DTW (ft)
1) 250317 0940C	20.02	844.42	4.68	161.1	8.23	2.08	N/A
2) ——— 0943C	20.08	845.68	4.49	162.6	8.25	1.76	"
3) ——— 0946C	20.11	846.36	4.30	164.0	8.25	1.68	"

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250317 0950C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0951C	" (FB)	"	"	"	"
——— 0952C	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI
——— 0953C	Low Level NDMA	"	"	"	"
——— 0954C	" (FB)	"	"	"	"
——— 0955C	Total Metals	ice/HNO_3	(2) 125ml polys	N/A	ALS
——— 0956C	Anions/Alk.	ice	(2) 250 ml polys	052024-2ERG	"
——— 0957C	TDS by SM2540C	"	(1) 250 ml poly	091823-2ADD	"
——— 0958C	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	"
——— 0959C	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250 ml poly	093024-4EKI	"

Initial DTW: N/A - transducer Total gallons purged: 2

Continued from page N/A

Read and Understood By

Craig DelFerraro 3/17/25 B-210 Per W Munck 3-18-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/17/25 Page 1 of 1

Sample Location: WW-2-489

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	607	LL NDMA	Total Metals				Charge Number
250317 0740C (TB)	3	A	✓							XGMD
0741C (TB)	1	A			✓					"
0950C	3	A	✓							"
0951C (FB)	3	A	✓							"
0952C	1	A		✓						"
0953C	1	A			✓					"
0954C (FB)	1	A			✓					"

Sample Location: WW-2-489

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Total Metals	Anions/Alk.	TDS	Perchlorate	NO2/NO3			Charge Number
250317 0955C	2	A	✓							XGMD
0956C	2	A		✓						"
0957C	1	A			✓					"
0958C	1	A				✓				"
0959C	1	A					✓			"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Tesno	3/17/25 / 1045hrs.		[signature]	3-18-25 / 0820

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

Dan Halvorsen & 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)	DO	ORP	PH	Turb (NTU)	DTW
~~Time~~ 1) 250317 1355C	23.11	908.93	5.03	163.5	8.14	1.49	N/A
2) ——— 1358C	23.13	908.22	4.88	162.8	8.15	1.32	↓
3) ——— 1401C	23.18	907.74	4.64	162.0	8.17	1.30	↓

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250317 1405C	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 1406C	" (FB)	"	"	"	"
——— 1407C	607/Bromacil	ice	(1) 1L Amber	011990IJ	SRI
——— 1408C	Low Level NDMA	"	"	"	ALS
——— 1409C	" (FB)	"	"	"	"
——— 1410C	Total Metals	ice/HNO_3	(2) 125ml polys	102124-2HES	ALS
——— 1411C	Anions/Alk.	ice	(2) 250 ml polys	052024-2ERG	"
——— 1412C	TDS by SM2540C	"	(1) 250 ml poly	091823-2ADD	"
——— 1413C	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	"
——— 1414C	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	093024-4EKI	

* Packer is inoperable/damaged - could not be inflated.

Initial DTW: N/A - transducer Total gallons purged: 2

Continued from page N/A

Read and Understood By

Craig Del Ferraro 3/17/25 B-212 Jon Munde 3-18-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/17/25 Page 1 of 1

Sample Location: WW-2-664

Sample Number	# of Containers	Sample Matrix*	8260LL	607/Bromacil	LLNDMA	Total Metals	Anions/Alk.			Charge Number
Pertinent Notes (if any)										
250317 1405C	3	A	✓							XGMD
1406C (FB)	3	A	✓							"
1407C	1	A		✓						"
1408C	1	A			✓					"
1409C (FB)	1	A			✓					"
1410C	2	A				✓				"
1411C	2	A					✓			"

Sample Location: WW-2-664

Sample Number	# of Containers	Sample Matrix*	TDS	Perchlorate	NO2/NO3					Charge Number
Pertinent Notes (if any)										
250317 1412C	1	A	✓							XGMD
1413C	1	A		✓						"
1414C	1	A			✓					"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Terzo	3/17/25/1500hrs.			3-18-25 / 0820

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

WSTF 381C (05/2016)

3/11/25 (West Bay)

70

PROJECT WW-3-4609 WJI ENV-0020

Notebook No. DC04 #133(Y)

Continued from page N/A

Matt Garcia & AL Montes present. Weather is clear & cool. Zone sampled using 2 pre-cleaned & 3x rinsed stainless tubes. Probe-4951. Gen. in use. Surface checks performed prior to sampling event.

30 min EQ Blanks Carboy-6 IN GZ

Samples	Analysis	Preserv	Cont.	Lot	Lab
250311093OY	8260LL	Ice/HCl	(3) 40ML vials	2774	ALS
——— 0931Y	LL NDMA	Ice	(1) 1L Amber	01199015	SRI

Parameters	Final
Time - 250311101OY	250311134TY
PH - 7.90	7.06
Temp - 19.2°C	22.1°C
Cond - 1085 us/cm	1078 us/cm
Turb - 3.84 NTU's	3.61 NTU's
PH Pre - 7.00, 10.27 (6.7°C)	7.00, 10.10 (18.1°C)
" Post - " "	" "
ATMOS - 12.45 psia	12.52 psia
DTW - 415.10 ft.	415.15 ft.

Meter ID	
PH/cond	- 15
Turb	- 7
STD	- 53.8
ROC	- 51.8
LOT	- A3333
EXP	- 3/31/25

Buffers	Lot	EXP
7	CC477A93	8/25
10	CC478341	6/25

Samples

Sample	Analysis	Preserv	Cont.	Lot	Lab
250311103OY	8260LL	Ice/HCl	(3) 40 mL vials	2774	ALS
——— 1031Y	6007	Ice	(1) 1L Amber	01199015	SRI
——— 1032Y	LL NDMA	"	"	"	"
——— 1300Y	T. metals	Ice/HNO_3	(2) 125mL Poly	NA	ALS
——— 1301Y	Anions/ALK TDS	Ice/zero H.S	(2) 250mL Poly	052024	"
~~——— 1340Y~~	~~Perchlorate~~	Ice	(1) 250mL Poly	"	"
——— 1341Y	~~NO_2 NO_3~~ NO3 Perchlorate	Ice/1/2 H.S	(1) 125mL Poly	081224	"
——— 1342Y	NO_2 NO_3	Ice/H_2SO_4	(1) 250mL Poly	093024	"

Runs	1)	2)	3)	
	38.40	38.41	38.21	38.20
	36.42	36.46	36.43	36.54
	36.34	36.40	36.47	36.44
	38.41	38.41	38.	

Continued from page NA

Read and Understood By

Matt Garcia — Signed — 3/11/25 — Date

B-214

DT Wilke — Signed — 3/11/25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/11/25 Page 1 of 1

Sample Location: WW-3-4609

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260CL	LL NDMA	6007	T. Metals	Anions/ALK			Charge Number
2503110930Y (EB)		3	A	X							XCMD
0931Y (EB)		1			X						
1030Y		3		X							
1031Y		1				X					
1032Y		1			X						
1300Y		2					X				
1301Y		2						X			

Sample Location: WW-3-4609

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: TDS	Perchlorate	NO2/NO3					Charge Number
2503111340Y		1	A	X							XCMD
1341Y		1			X						
1342Y		1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	3/11/25 1520hrs		[signature]	3-12-25 0815

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

Matt Garcia & AL Montes Present. Weather is clear & warm. Zone Sampled using 2 pre-cleaned & 3x rinsed stainless tubes. Probe -.4951 Gen. in use. Surface checks performed prior to sample event.

30 Min EQ. Blanks Carboy G1

Sample	Analysis	Preserv	Cont.	Lot	Lab
250310093OY	8260LL	Ice/HCL	(3)40mL vials	2774	ALS
——— 0931Y	LL NDMA	Ice	(1)1L amber	0119015	SRI

Parameters	Final
Time -250310 1100Y	250310 1145Y
PH -8.02	8.15
Temp -19.7°C	20.1°C
Cond -1067 us/cm	1071 us/cm
Turb -1.01 NTU's	1.19 NTU's
PH pre -7.15, 10.10 (12.4°C)	7.11, 10.15 (12.9°C)
" Post- " "	" "
ATMOS -12.42 Psia	12.41 Psia
DTW -N/A sticking**	N/A

Meter ID

PH/cond -15

Turb -7

STD -53.8 NTU's

RDG -51.3 NTU's

LOT -43333

EXP -3/31

Buffers	Lot	EXP
7	CC-778793	8/25
10	CC-778341	6/25

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250310 1140Y	8260LL	Ice/HCL	(3)40mL vials	2774	ALS
——— 1141Y	LL NDMA	Ice	(1)1L Amber	0119015	SRI
——— 1142Y	T. Metals	Ice/HNO_3	(2)125mL Poly	NA	ALS

Runs	1)	2)
	81.33	81.39
	79.58	79.55
	79.59	79.40
	81.31	81.21

Continued from page

Read and Understood By

Matt Garcia — Signed — 3/10/25 — Date

Jere Munch — Signed — 3-11-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3·10·25 Page 1 of 1

Sample Location: NW·3·565

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: LL8260	LL NDMA	Total Metals					Charge Number
250310 1140Y	3	A	X							XCMD
0930Y (EB)	3	A	X							
1141Y	1	A		X						
0931Y (EB)	1	A		X						
1142Y	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:
	3:33PM 3.10.25			3-11-25 0830

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

WSTF 381C (05/2016)

3/10/25 (WESTBAY)

PROJECT WW-3-710 WSI ENV-00ZO

Notebook No. DL04 # 133(Y) 69

Continued from page N/A

Matt Garcia & AL Montes Present. Weather is clear & warm. Zone Sampled using 2 Pre-Cleaned & 3x rinsed Stainless Tubes. Probe 4451 Gen. in use. Surface checks performed prior to sample event.

3omin EQ Blanks Carboy G1

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250310142[illegible]1320Y	8260LL	Ice/HCL	(3)40ML vials	2774	AL
——=1422[illegible]1321X	LL NDMA	Ice	(1)1L Amber	0119015	SR
——=1422[illegible]1322Y	T. Metals	Ice/HNO3	(2)125mL Poly	NA	AL

Parameters	Final	
Time - 250310140OY	250310143SY	Meter ID
pH - 7.75	7.81	pH/cond -15
Temp - 22.2°C	23.1°C	Turb - 7
cond - 994 us/cm	1011 us/cm	STD 53.8 NTUs
Turb - 4.74 NTUs	3.75 NTU's	RDG -51.3 NTUs
PH Pre - 7.19, 10.09 (22.6°C)	7.22, 10.09	LOT - A3337
" Post - " " 10.11	" "	EXP - 3/31
ATMOS - 12.41 PSIA	12.43 PSIA	Buffers Lot EXP
DTW - NA Sticking*	N/A	7 CC779793 8/2
		10 CC770341 6/2

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250310142SY	8260LL	Ice/HCL	(3)40ML vials	2774	AL
——1426Y	60Y	Ice	(1) 1L Amber	0119015	SR
——1427Y	LL NDMA	Ice	"	"	"
——1428Y	T. Metals	Ice/HNO3	(2) 125mL Poly	NA	AL
——1429Y	Anions/ALK	Ice/Zero H.S	(2) 250mL Poly	052024	"
——1430Y	TDS	Ice	(1) 250mL Poly	"	"
1431Y	Perchlorate	Ice/1/3 H.S.	(1) 125mL Poly	081224	"
——1432Y	NO2NO3	Ice/H2SO4	(1) 250mL Poly	093024	[illegible]

Runs	1)	2)	3)
	142.39	142.43	142.40
	140.58	140.63	140.60
	140.51	140.64	140.39
	142.03	142.41	142.89

Continued from page

Read and Understood By

Matt Garcia — Signed — 3/10/25 — Date

B-218

Tom Munck — Signed — 3-11-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/10/25 Page 1 of 1

Sample Location: WW-3-710

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	LLVOMA	T. metals	6007				Charge Number
2503101320Y (EB)	3	A	X							KGMD
1321Y (EB)	1			X						
1322Y (EB)	2				X					
1425Y	3		X							
1426Y	1					X				
1427X	1			X						
1428X	2				X					

Sample Location: WW-3-710

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Anions/ALK	TDS	Perchlorate	NO3NO2				Charge Number
2503101429X	2		X							KGMD
1430Y	1			X						
1431Y	1				X					
1432Y	1					X				

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt	3/10/25 533pm			3-11-25 /0830

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

WSTF 381C (05/2016)

(WEST BAY)

PROJECT WW-3-978 WSI ENV-0020 Notebook No. D69 #133(Y) 71

Continued from page N/A

Matt Garcia & AC Montes Present. Weather is clear & warm. Zone Sampled using 2 pre-cleaned & 3x rinsed stainless tubes. Probe 4951 Gen in use. Surface checks performed on probe prior to Sample event.

30 min EQ Blanks - Carboy G2

Sample	Analysis	Preserv	cont.	Lot	Lab
250311 1430Y	8260LL	Ice/HCL	(3)40mL vials	2774	AC
1431Y	LL NDMA	Ice	(1)1L Amber	01199015	JR

Parameters	Final	Meter ID
Time - 250312 0300Y	250312 1355Y	PH/Cond - 15
PH - 8.22	8.11	Turb - 7
Temp - 21.4°C	21.3°C	STD - 53.8
Cond - 1032	1027 us/cm	RDG - 51.5
Turb - 1.80 (10.6)	3.29	LOT - A3333
PHpre - 6.94, ~~10.26~~ 10.6°C	6.99, 10.19 (19.4°C)	EXP - ~~3/31/25~~ 3/31/25 3/31/2
" Post - " "	" "	
ATMOS - 12.41	12.43 psia	
DTW - 415.15 ft	415.23 ft.	

Samples

Sample	Analysis	cont.	Lot	Lab
250312 1315Y	8260LL	(3)40mL vials	2774	AC
1316Y	6007	(1)1L Amber	01199015	SRI
1317Y	LL NDMA	"	"	SRI
1345Y	T. metals	(2)125mL Poly	102124AES	AC
1346Y	Anions/Alk	(2)250mL Poly	104242ADD	"
1347Y	TDS	(1)250mL poly	09182324DD	"
1348Y	Perchlorate	(1)125mL poly	104242ERD	"
1349Y	NO2/NO3	(1)250mL poly	61040254EKI	"

Runs	1)	2)	3)
	257.76	257.70	256.91
	257.71	257.76	256.89
	256.52	256.49	257.01
	256.57	256.51	256.80

Continued from page

Read and Understood By

Matt Garcia 3/12/25 B-220 Ron Munds 3-13-25

Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: WW-3-978 Page 1 of 1

Sample Location: 3-11-25

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement							Charge Number
			EB 00 LL	LL NDMA						
250311 1430 Y (EB)	3	A	X							XGMD
— 1431 Y (EB)	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 Gonzales	3/11/25 1520hrs		Ron Mundt	3-12-25 / 0815

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

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 3/12/25 Page 1 of 1

Sample Location: WW-3-978

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	6010	LLNDMA	T. Metals	Anions/Alk	TDS	Perchlorate	Charge Number
250312131 5Y	3	A	X							X6MD
1316Y	1			X						
1317Y	1				X					
1345Y	2					X				
1346Y	2						X			
1347Y	1							X		
1348Y	1	↓							X	↓

Sample Location: WW-3-978

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: NO2/NO3							Charge Number
250312134 9Y	1	A	X							X6MD

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt [illegible]	3/12/25 1520hrs		[illegible]	3-13-25 0800

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

WSTF 381C (05/2016)

Marcus Avalos & Robert Burrows present. The 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.1.

Calibration

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

Transducer Readings

24.68 psi / 22.48 °C / 56.90'

Trip Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250428 0800 C	VOA by 8260	HCl/Ice	(3) 40 ml vials	2794	A's

Parameters (time)	Temp (°C)	pH	Cond (uS/cm)	DO (mg/L)	ORP	Turb (NTU)	DTW (ft)
1) 250428 1010 C	21.61	7.45	1098.4	2.84	69.4	4.84	56.81
2) —— 1012 C	21.60	7.51	1084.6	2.34	73.3	3.31	"
3) —— 1014 C	21.58	7.66	1068.3	1.58	76.4	2.27	"

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250428 1020 C	VOA by 8260	HCl/Ice	(3) 40 ml vials	2794	A's
—— 1021 C	607/Bromacil	Ice	(1) 1L Amber	119901	SRI
—— 1022 C	SVOA 8270D	Ice	(2) 500 mL Amber	090224 1HY	A's
—— 1023 C	Pesticides 8081B	"	(1) "	"	"
—— 1024 C	Herbicides 8151A	"	"	"	"
—— 1025 C	Dioxins/Furans	"	(1) 1L Amber	119901	SRI
—— 1026 C	PCB 8082A	Ice	(1) 500 ml Amber	090224 1HY	A's
—— 1027 C	Phenolics 9066	H_2SO_4/Ice	(1) 250 ml poly WG AMBER	061024 1EKP	A's
—— 1028 C	Total Metals	HNO_3/Ice	(2) 125 ml poly	102124 2AES	"
—— 1029 C	Anions/Alk	Ice/ZeroHS	(2) ~~250~~ 125 ml poly NO	011325 2EED	"
—— 1030 C	TDS 160.1/SM2540C	Ice	(1) "	070824 2EEG	"
—— 1031 C	Perchlorate 6850	Ice/1/3 HS	(1) 125 ml poly	011325 2EED	"
—— 1032 C	NO2/NO3 353.2	H_2SO_4/Ice	(1) 250 ml poly	093024 1EKJ	"
—— 1033 C	Cyanide 9012B	NaOH/Ice	(1) 125 ml poly	NA	"
—— 1034 C	Sulfide 9030	Zinc Acetate/NaOH ZeroHS/Ice	(1) 250 ml poly	110623 2ADS	"

Continued from page NA

Read and Understood By

MA 4/28/25 Pam Munch 4-29-25

4/28/25

PROJECT 200-B-240 WSI ENV-0053

Notebook No. D32 # 138 (2)

Continued from page 47

SAMPLES Cont.

Sample #	Analysis	Preserve	Container	lot	lab
250428/035C	VOA 6-1 8260 (FB)	HCl/Ice	(3) 40 ml vials	2794	ALS

Continued from page 47

Read and Understood By

WS WS 4/28/25

Lori Mundt 4-29-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/28/25 Page 1 of 2

Sample Location: 200.13.246

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260	607/B10	8270	Pesticide	Herbicide			Charge Number
250428 0800C	3	A	X							XAMD
1020C	3		X							
1035C	3		X							
1021C	1			X						
1022C	2				X					
1023C	1					X				
1024C	1						X			

Sample Location:

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Diox/Furan	PCB	Phenolics	T. Metals	Anions/Alk	TDS	Perchlorate	Charge Number
250428 1025C	1	A	X							XAMD
1026C	1			X						
1027C	1				X					
1028C	2					X				
1029C	2						X			
1030C	1							X		
1031C	1								X	

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MJ CS	4/28/25 @ 1115			4-29-25 / 0815

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

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/28/25 Page 2 of 2

Sample Location: 200-B-240

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: NO2/NO3	Cyanide	Sulfide					Charge Number
250428 1632C	1	A	X							XGMD
1633C	1	"		X						"
1634C	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:
[illegible]	4/28/25 @ 1115	[illegible]	4-29-25 / 0815

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

4/17/25

PROJECT 400-FV-131 WSI ENV.0053

Notebook No. D32 # 138(c) 45

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 PFAS free sample tube. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G-2.

Calibrations

DO. Cal in 100% saturated air
PH. - using 4,7,10 Buffers
Cond. : 1413 us/cm STD.
Turb. : 20 NTU STD.

Initial DTW. 127.75'

Parameters (time)	Temp(C)	Cond(us/cm)	DO	PH	ORP	Turb(NTU)	DTW(ft
1) 250417 1355 C	21.74	1236.7	4.88	7.42	38.4	0.86	128.10
2) —— 1357 C	21.71	1200.8	4.85	7.44	38.5	0.88	"
3) —— 1359 C	21.68	1220.5	4.86	7.47	38.9	0.72	"

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250417 ~~0800 C~~ MS	VOA by 8260 (TB)	HCl/Ice	(3) 40 ml vials	2794	ALS
—— 1406 C	"	"	"	"	"
—— 1407 C	" (FB)	"	"	"	"

Total Gallons Purged. 0.5 gal

Continued from page

Read and Understood By

4.17.25

B-227

4.21.25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.17.25 Page 1 of 1

Sample Location: 400 · FU · 131

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: BTEX							Charge Number
250417080001 (TB)	3	A	X							XGMD
14061	3		X							1
14071 (FB)	3		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]	4.17.25 @ 1500	[signature]	4-21-25 / 0815

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

4/17/25

44

PROJECT 400-HV-147 WSI ENV.0052

Notebook No. D32 # 138(c)

Continued from page _____

Marcus Avalos & Tony Torrez present. Weather is breezy & warm. This well will be purged & sampled using a dedicated bladder pump. Samples will be collected using a new PFAS free sample tube. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G-2.

Calibrations

DO- Cal in 100% saturated air

pH- " using 4,7,10 Buffers

Cond- = 1413 uS/cm STD.

Turb- = 20 NTU STD.

Initial DTW - 137.95'

Parameters (time)	Temp (°C)	Cond (us/cm)	DO	pH	ORP	Turb (NTU)	DTW (ft)
1) 250417 1016 C	21.91	2143.8	1.41	7.55	44.1	1.38	138.40'
2) ——— 1012C	21.77	2135.5	1.18	7.59	46.9	1.24	-
3) ——— 1014C	21.76	2142.3	1.22	7.62	46.8	1.18	-

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250417 1020C	VOA by 8260	HCl/Ice	(3) 40 ml vials	2794	A/S
——— 1021C	= (Dup)	=	=	=	=
——— 1022C	= (FB)	=	=	=	=

Total Gallons Purged - 0.5 gal

Continued from page

Read and Understood By

MA CA 4/17/25 B-229 Jon W Munch 4-18-25

Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/17/25 Page 1 of 1

Sample Location: 400 · HV · 147

Analytical Requirement: 8270

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement	Charge Number
250417102OC	3	A	X	XGMD
1021C (Dup)	3	1	X	1
1022C (FB)	3	1	X	

Sample Location:

Analytical Requirement

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

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	4/17/25 @ 1100	[signature]	4-21-25 / 0875

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

4/14/25

PROJECT 600A-003-GW WJI ENV-0013

Notebook No. D32 # 136(A) 37

Continued from page N/A

Tim Kondy & Craig Del Ferraro present. Weather is cloudy & cool. Due to lack of volume, this well was not purged prior to sampling. Samples will be collected using a bailer - no parameters were required (per M.F.). Carboy G1 in use.

Total depth: 157.70ft.
Initial DTW: 156.90 ft.
Final DTW: 157.67 ft.

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250414 0830A	VOA by 8260	ice / HCL	(3) 40ml vials	2797	ALS
——— 0831A	" (FB)	"	"	"	"
——— 0832A	607/Bromacil	ice	(1) 1L Amber	01199015	SRI
——— 0833A	" (FB)	"	"	"	"
——— 0834A	Total Metals	ice / HNO3	(2) 125ml poly's	102124-2AES	ALS
——— 0835A	" (FB)	"	"	"	"

*Well was bailed dry after the metals were collected. No other samples could be collected.

Continued from page N/A

Read and Understood By

Craig Del Ferraro
Signed

4/14/25
Date

B-231

Signed

4-14-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/14/25 Page 1 of 1

Sample Location: 600A-003-GW

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	Total Metals				Charge Number
250414 0830A	3	A	✓						XGMD
0831A (FB)	3	A	✓						"
0832A	1	A		✓					"
0833A (FB)	1	A		✓					"
0834A	2	A			✓				"
0835A (FB)	2	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	4/14/25 / 0920hrs.		[signature]	4-15-25 / 0845

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

WSTF 381C (05/2016)

Al Monks & Dan Halvorsen present. Weather is clear and warm. This well will be bailed and allowed to recovery depth prior to sampling. Carboy G1 in use. NOT enough Water to use Bennett Pump.

Initial DTW = 186.25 ft.
Final " = 191.05
IDW = 5 gal.

Parameters

Time = 250417 1300A
pH = 8.28
Temp = 20.1 °C
Cond = 2023
Turb = 5.09 NTU's
pH Pre = 7.01 - 10.03
pH Post = 7.01 - 10.02

Meter ID

pH/Cond = 15
Turb = 8
STD = 3.80
ROS = 3.86
Lot = #5022
Exp: 4/25

SAMPLES

SAMPLE #	Analysis	Preserve	Container	Lot	LAB
250417 1305A	VOA by 8260	Ice/HCl	(3) 40 ml V.O.	2774	ALS
1306A	" " (FB)	"	"	"	"
1307A	Bromacil by 6051 NORMAL DMN	Ice	(1) 1L Amber	119501	SRL
1308A	SVOC by 8270D	"	(2) 500 ml Amber	N/A	ALS
1309A	Total metals	Ice/HNO3	(2) 125 ml Poly	"	"
1310A	Anions/Alk	Ice	(2) 250 "	"	"
1311A	TDS	"	(1) 250 "	"	"
1312A	Perchlorate	"	(1) 125 "	"	"
1313A	NO3/NO2	Ice/H2SO4	(1) 250 "	"	"

Continued from page

Read and Understood By

Signed 4-17-25 Date B-233 Signed 4-21-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.17.25 Page 1 of 1

Sample Location: 600.A.004.GW

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	SVOA	TOTAL METAL	A2-02S. ALK	TDS		Charge Number: XGMD
250417 1305A		3	A	X							
1306A FB		3	A	X							
1307A		1	A		X						
1308A		2	A			X					
1309A		2	A				X				
1310A		2	A					X			
1311A		1	A						X		

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE	200.7						Charge Number
250417 1312A		1	A	X							
1313A		1	A		X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4.17.25 1355			4-21-25 0815

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

WSTF 381C (05/2016)

Marcus Bucios & 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 61 in use.

Calibrations:

Initial DTW = 388.05 ft.
Final " = 388.05 ft.
IDW = 2 gals.

DO Sensor: In 100% Saturated air.
pH " : using 4, 7, 10 Buffers
Conductivity: using a 1413 µs/cm STD.
Turbidity: using a 20 NTU STD.

Parameters (Stable)	Temp	Cond	DO	pH	ORP	Turb
250421094[illegible] A	20.34	773	7.18	7.77	116	1.3
—— 0943 A	20.33	771	7.21	7.73	119	1.2
—— 0944 A	20.33	774	7.18	7.72	117	1.2

SAMPLES

SAMPLE #	Analysis	Preserve	Container	Lot	LAB
250421095[illegible] A	VOCs by 8260	Ice/HCl	(3) 40 ml Vial	2774	ALS
—— 0951 A	" " (FB)	"	"	"	"
—— 0952 A	NDMA/1,4-Dioxane Bromacil by 607	Ice	(1) 1L Amber	119901	SRL
—— 0953 A	SVOCs by 8270	"	(2) 500 ml Amber	N/A	ALS
—— 0954 A	Total metals	Ice/HNO3	(2) 125 ml Poly	"	"
—— 0955 A	Anions/Alk	Ice	(2) 250 ml Poly	"	"
—— 0956 A	TDS	"	(1) "	"	"
—— 0957 A	Perchlorate	"	(1) 125 "	"	"
—— 0958 A	NO2/NO3	Ice/H2SO4	(1) 250 "	"	"

NOTE: Well does not draw down. Set Refill Time at 70 seconds and discharge at 32 seconds.

Continued from page

Read and Understood By

Signed — 4.21.2025 Date — B-235 — Signed — 4.22-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.21.2025 Page _____ of _____

Sample Location: 600C-005-GW

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	VOA	607	SVOC	Metals/S	Anions/DIW	TDS		Charge Number
250421 0950 A		3	A	X							
0951 A	FB	3		X							
0952 A		1			X						
0953 A		2				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*	Rad/Wet	NO2/NO3						Charge Number
250421 0957 A		1	A	X							
0958 A		1			X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4-21-2025 1100			4-22-25 / 0800

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

Tony Torres & 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 AquaTroll 500. Cartridge 63 in use.

Calibrations: Initial DTW = 187.25 ft.

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
250408093oc	21.28	1027	4.96	7.65	135	0.31
0932c	21.27	1025	4.91	7.62	136	0.36
0934c	21.27	1008	4.94	7.60	136	0.32

SAMPLES

SAMPLE	Analysis	Preserve	Container	Lot	LAB
250408093oc	VOA by 8260	ICe/HCl	(3) 40 ml Vial		ALS
0937c	" " (FB)	"	"		"
0938c	Bromide by 6071	Ice	(1) 1L Amber		SR
0939c	Perchlorate	"	(1) 125 ml Poly		ALS

LANDFILL SAMPLES

SAMPLE	Analysis	Preserve	Container	Lot	LAB
250408072oc	VOA + MTBE 1,2,4-Trichlorobenzene (TB)	ICe/HCl	(2) 40 ml Vial		HEAL
0721c	EDB/DBCP (TB) VOA + MTBE	Ice/$Na_2S_2O_3$ (SOIL)	(1) "		"
0940c	1,2,4-Trichlorobenzene	Ice/HCl	(3) "		"
0941c	" " (Dup)	"	(3) "		"
0942c	" " (FB)	"	(3) "		"
0943c	EDB/DBCP	Ice $Na_2S_2O_3$ (SOIL)	(2) "		"
0944c	" " (FB)	"	(2) "		"
0945c	SVOA, PCBs PAHs, Herbicides	Ice	(4) 1L Amber		"
0946c	" " (FB)	"	(4) "		"
0947c	Phenols	Ice/H_2SO_4	(1) 1L Amber		"
0948c	" " (FB)	"	(1) "		"

Continued from page

Read and Understood By

2-8-2025 4-9-25

LAND FILL SAMPLES

SAMPLE #	Analysis	Preserve	Container	Lot	LAB
250410809449 c	Cyanide	Ice/NaOH	(1) 500 ml Poly		HEAL
0950 c	" " (FB)	"	"		"
0951 c	metals (calcium, magnesium Potassium, Sodium	Ice/HNO3	(1) 250 ml Poly		"
0952 c	" " (Dup)	"	"		"
0953 c	" " (FB)	"	"		"
0954 c	RADCM 226/228	"	(2) 1L Poly		"
0955 c	" " (FB)	"	"		"
0956 c	Anions) TDS Alkalinity, pH	Ice	(1) 1L HDPE		"
0957 c	" " (FB)	"	"		"
0958 c	TOCs	Ice/HCl	(2) 40 ml vial		"
0959 c	" " (FB)	"	"		"
1000 c	NO2/NO3, TKN Ammonia, Total N	Ice/H2SO4	(1) 500 ml Poly		"
1001 c	" " Dup	"	"		"
1002 c	" " (FB)	"	"		"

Continued from page

Read and Understood By

1-8-2025 4-9-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-8-2025 Page 2 of 3

Sample Location: 700-A-253

Pertinent Notes (if any)

LAND FILL

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	VOA-MTBE	EDB/DBCP	8260					Charge Number
250408 0720 c TB	2	A	Y							XPCC
0721 c TB	1			Y						
0940 c	3		Y							
0941 c DUP	3		Y							
0942 c FB	3		Y							
0943 c	2			Y						
0944 c FB	2			Y						

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	SVOA	Phenols	Cyanide					Charge Number
250408 0945	4	A	X							XPCC
0946 FB	4		X							
0947	1			X						
0948	1			X						
0949	1				X					
0950	1				X					
~~0951~~										

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	4.8.2025 1100		[signature]	4-9-25 0911

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

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-8-2025 Page 1 of 3

Sample Location: 700-A253

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	U09	L07	Perchlorate					Charge Number
										XGMD
250408 0936 c	3	A	X							
0937 c FB	3		X							
0938 c	1			X						
0939 c	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]	4-9-2025 1100		[signature]	4-9-25 / 0911

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

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-8-2025 Page 3 of 3

Sample Location: 700-A-253

Pertinent Notes (if any)

LAND FILL

Analytical Requirement

XPCC

Charge Number

Sample Number	# of Containers	Sample Matrix*	Metals	RADCM	Gross Alpha					
250408 0951 C	1	A	X							
0952 C DUP	1		X							
0953 C FB	1		X							
0954 C	2			X						
0955 C FB	2			X						
0956 C	1				X					
0957 C FB	1				X					

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Charge Number

Sample Number	# of Containers	Sample Matrix*	TDC	UO2/UO3						
250408 0958 C	2	A	X							
0959 C FB	2		X							
1000 C	1			X						
1001 C DUP	1			X						
1002 C FB	1			X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4-9-2025 1100			4-9-25 0911

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

Tony Torrez & Dan Halvorsen present. Weather is clear and cold. 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 GB in use.

Initial DTW = 176.50 ft.

Calibrations:
DO sensor = In 100% Saturated air.
pH sensor = using 4, 7, 10 Buffers
Conductivity = using a 1413 µS/cm STD.
Turbidity meter = using a 20 NTU STD.

Parameters (Time)	Temp	Cond	DO	pH	ORP	Turb
250407 0930 C	21.12	1273	5.12	7.36	179	1.26
" 0932 C	21.13	1270	5.10	7.28	177	1.23
" 0934 C	21.12	1271	5.13	7.33	176	1.25

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250407 0936 C	VOCs by 8260	Ice/HCl	(3) 40 ml Vials		ALS
" 0937 C	" " (FB)	"	"		"
" 0938 C	NDMA/DMNB Bromacil by 607	Ice	(1) 1L Amber		SR
" 0939 C	Perchlorate	"	(2) 125 ml Poly		AL

LANDFILL SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250407 0730 C	VOCs, m/p/o 1,2,4-Trichlorobenzene (TB)	Ice/HCl	(2) 40 ml Vials		Hea
" 0731 C	EDB/DBCP (TB)	Ice $Na_2S_2O_3$ (50%)	(1) "		"
" 0940 C	VOCs, m/p/o 1,2,4-Trichlorobenzene	Ice/HCl	(3)		"
" 0941 C	EDB/DBCP	Ice $Na_2S_2O_3$ (50%)	(2)		"
" 0942 C	" " (Dup)	"	(2)		"
" 0943 C	SVOCs, PCBs, PAHs, Herbicides,	Ice	(4) 1L Amber		"
" 0944 C	" " (Dup)	"	"		"
" 0945 C	Phenols	Ice/H_2SO_4	(1) "		"
" 0946 C	Cyanide	Ice/NaOH	(1) 250 ml Poly		"

Continued from page

Read and Understood By

4-7-2025 B-242
Date

Signed

4-8-25
Date

LANDFILL SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250407 0947 C	metals (calcium, sodium magnesium, Potassium	Ice / HNO3	(1) 250 ml Poly		HEAL
0948 C	RADCM Ra 226/228	"	(2) 1L Poly		"
0949 C	TOC	Ice / HCl	(2) 40 ml Vials		"
0950 C	Anions - Cl, F, SO4, TDS Total, Phosphate, Alkalinity, pH NO2/NO3, TKN	Ice	(1) 1L HDPE		"
0951 C	Ammonia, Total N	Ice / H_2SO_4	(1) 500 ml Poly		"

Continued from page

Read and Understood By

4-7-2025

Lon W Mumk

4-8-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-7-2025 Page _____ of _____

Sample Location: 700-D-186

Pertinent Notes (if any)

Analytical Requirement: UDR; 607; Perchlorate

Charge Number: X6MD

Sample Number	# of Containers	Sample Matrix*	UDR	607	Perchlorate					Charge Number
250407 0936c	3	D	Y							
0937c FB	3		Y							
0938c	1			Y						
0939c	1				Y					

Sample Location:

Pertinent Notes (if any)

Analytical Requirement

Charge Number

Sample Number	# of Containers	Sample Matrix*								Charge Number

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	4-7-2025 1100		4-8-25 /0900

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

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-7-2025 Page _____ of _____

Sample Location: 700-D-186

Pertinent Notes (if any)

LANDFILL

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	EDB/DBCP	5030C					Charge Number
250407 0730 c TB	2	A	X							XPCC HWMU
0731 c TB	1			X						
0940 c	3		X							
0941 c	3			X						
0942 c Dup	2			X						
0943 c	4				X					
0944 c Dup	4				X					

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Phenols	Cyanide	Metals	RADCM	TOC	Chloride	300.0/NO3	Charge Number
250407 0945 c	1	A	X							XPCC HWMU
0946 c	1			X						
0947 c	1				X					
0948 c	2					X				
0949 c	2						X			
0950 c	1							X		
0951 c	1								X	

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4-7-2025 1100			

* 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 zon. will be sampled using 5 triple rinsed, stainless steel sample tubes. Probe #2167. Surface checks performed on probe prior to sampling.

30 Min. Equipment blanks - Carboy ~~GRC~~ GI

Sample	Analysis	Preservative	Container	Lot	Lab
250408 1315 y	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS

Initial Parameters
Time - 250408 1345 y
pH - 8.17
Temp - 22.1°C
Cond - 838 us/cm
Turb - 1.51 NTU's
pHpre - 7.02/9.98 (26.9°C)
pHpost - 7.03/9.98
DTW - 288.60 ft.
Atmos - 12.29 psia

Final
Time - 250409 1331 y
pH - 8.10
Temp - 22.7°C
Cond - 850 us/cm
Turb - 1.31 NTU's
pHpre - 7.03/10.04 (24.1°C)
pHpost - 7.02/10.02
DTW - 288.74 ft.
Atmos - 12.31 psia
IDW - ½ gal.

Meter ID
pH/Cond - 15
Turb - 7
" Std - 48.0 NTU's
" rds - 48.6 NTU's
" lot - A5022
" Exp - 4/30/25

Buffers	Lot	Exp
7	CC779793	6/25
10	CC783411	8/25

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250408 1405 y	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS
——— 1406 y	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI
——— 1429 y	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	ALS

Landfill Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250408 1430 y	VOA/MTBE/Trichlorobenzene (TB)	ice/HCL	(1) 40ml vials	63271	HEAL
Canceled	~~EDB/DBCP (TB)~~	~~ice/SoTh~~	~~(1) 40ml vial~~	N/A	"
——— 1431 y	VOA/MTBE/Trichlorobenzene	ice/HCL	(3) 40ml vials	63271	"
——— 1432 y	" (Dupl.)	"	"	"	"
——— 1433 y	EDB/DBCP/504.1	ice/SoTh	(2) 40ml vials	N/A	"
——— 1434 y	" (Dupl.)	"	(1) "	"	"

*Only 1 vial available for TB for VOA/MTBE - other vial was broken.
*No EDB trip blank - bottle was broken on arrival.
*Only 1 vial for Dupl. on EDB - only 3 vials shipped.

Continued from page N/A

Read and Understood By

Craig Del Ferraro 4/9/25 Signed Date

Ben U Nunda 4.10.25 Signed Date

Samples (landfill)

Sample	Analysis	Preservative	Container	Lot	Lab
2504090820Y	SVOA/PCBs/PAHs Herbicides	ice	(4) 1L Ambers	91224-09	HEAL
——— 0925Y	Phenols/420.1	ice/H_2SO_4	(1) 1L Amber	"	"
——— 0945Y	Cyanide/335.3	ice/NaOH	(1) 500ml amb.	N/A	"
——— 0946Y	Metals (Ca, Mg, K, Na)	ice/HNO_3	(1) 250ml poly	"	"
——— 0947Y	RADCM - Ra-226/228	"	(2) 1L polys	"	"
——— 1030Y	TOC/9060	ice/HCL	(2) 40ml vials	"	"
——— 1050Y	Anions/TDS/PH Alkalinity	ice	(1) 1L HDPE ~~(1) 1L HDPE~~ CD	"	"
——— 1330Y	NO_2/NO_3, TKN, Ammonia, total N	ice/H_2SO_4	(1) 500ml poly	"	"

Runs	1)	2)	3)	4)	5)	6)
	42.08	42.07	42.01	42.04	42.07	42.04
	64.71	64.70	64.70	64.74	64.67	64.68
	64.68	64.64	64.60	64.69	64.67	64.63
	42.07	42.09	42.04	42.05	42.02	42.07

	7)	8)	9)	10)	11)	12)
	41.98	41.98	42.00	41.98	41.92	41.90
	64.64	64.72	64.71	64.72	64.70	64.71
	64.61	64.76	64.69	64.69	64.72	64.65
	42.01	41.98	41.95	41.94	41.92	41.92

Continued from page 85

Read and Understood By

Craig del Fierro — 4/9/25 — B-247 — Signed — Date

Signed — 4-10-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/8/25 Page 1 of 2

Sample Location: 700-H-350

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	Perchlorate	VOA/MTBE Trichlorobenzene				Charge Number
250408 1315y (EB)	3	A	✓							XGMD
1405y	3	A	✓							4
1406y	1	A		✓						4
1429y	1	A			✓					4
1430y (TB)	1	A				✓				XPCC
1431y	3	A				✓				4
1432y (Dupl.)	3	A				✓				4

Sample Location: 700-H-350

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: EDB/DBCP							Charge Number
										XPCC
250408 1433y	2	A	✓							~~XGMD~~
1434y (Dupl.)	1	A	✓							4

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Fiemo	4/8/25 / 1500hrs		for Miranda	4-9-25 / 0911

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

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/9/25 Page 2 of 2

Sample Location: 700-H-350

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: SVOA/PCBs PAHs/Herb.	Phenols	Cyanide	Metals	RA-226/228	TOC	Anions/AIK/TDS	Charge Number
250409 0820Y	4	A	✓							~~XGMD~~ XPCC
0925Y	1	A		✓						u
0945Y	1	A			✓					u
0946Y	1	A				✓				u
0947Y	2	A					✓			u
1030Y	2	A						✓		u
1050Y	1	A							✓	u

Sample Location: 700-H-350

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: NO2/NO3 TKN Ammonia							Charge Number
250409 1330Y	1	A	✓							~~XGMD~~ XPCC

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Fiero	4/9/25 / 1420hrs.			4-10-25 / 0840

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

Al Montes & Craig Del Ferraro present. Weather is clear & cool. This zone will be sampled using 5 triple rinsed, stainless steel sample tubes, Gen. in use, Probe# 2167. Surface checks performed on probe prior to sampling.

30 Min Equipment blanks - Carboy G/

Sample	Analysis	Preservative	Container	Lot	Lab
250408 0900Y	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS

Initial Parameters
Time - 250408 0925Y
PH - 8.19
Temp - 22.5°C
Cond - 780 us/cm
Turb - 1.66 NTU's
pHpre - 7.08/10.05 (19.6°C)
pHpost - 7.08/10.04
DTW - 288.51 ft.
Atmos - 12.28 psia

Final
Time - 250408 1110Y
PH - 8.22
Temp - 22.7°C
Cond - 789 us/cm
Turb - 1.36 NTU's
pHpre - 7.03/10.01 (24.0°C)
pHpost - 7.02/10.00
DTW - 288.60 ft.
Atmos - 12.30 psia
IDW - 1/2 gal.

Meter ID
pH/Cond - 15
Turb - 7
" Std - 48.0 NTU
" rdg - 48.6 NTU
" lot - A5022
" Exp - 4/30/25

Buffers	Lot	Exp
7	CC779793	8/25
10	CC783411	6/25

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250408 0950Y	VOA by 8260	ice/HCL	(3) 40ml vials	2774	ALS
——— 0951Y	607/Bromacil	ice	(1) 1L Amber	011990 IJ	SRI
——— 1015Y	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	ALS

Landfill Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250408 1016Y	VOA/MTBE/8260	ice/HCL	(3) 40ml vials	63271	HEAL
~~———~~ 1017Y	1,2,4-trichlorobenzene				
——— 1017Y	SVOA/PCBs/PAHs Herbicides	ice	(4) 1L Ambers	91224-09	"

Runs	1)	2)	3)	4)	5)	6)	
	122.73	122.76	122.79	122.75	122.71	122.68	144.5
	144.58	144.54	144.58	144.55	144.52	144.56	122.69
	144.55	144.57	144.54	144.51	144.48		
	122.73	122.70	122.81	122.78	122.72		

Continued from page N/A

Read and Understood By

Craig Del Ferraro — 4/8/25 — Signed — Date

B-250

Ron Munch — 4-8-25 — Signed — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/8/25 Page 1 of 1

Sample Location: 700-H-535

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	Perchlorate	VOA (MTBE 8260)	SVOA / PCB/PAH Herbicides			Charge Number
250408 0900y (EB)	3	A	✓							XGMD
0950y	3	A	✓							"
0951y	1	A		✓						"
1015y	1	A			✓					"
1016y	3	A				✓				XPCC
1017y	4	A					✓			"

Sample Location:

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

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Altemus	4/8/25 / 1125hrs.		[signature]	4-9-25 / 0911

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

Al Montes & 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 #1539.

30 Min. Equipment blanks – Carboy G1

Sample	Analysis	Preservative	Container	Lot	Lab
250407093oy	VOA by 8260	ice/HCL	(3)40ml vials	2774	ALS

Initial Parameters
Time – 250407 1000y
PH – 8.36
Temp – 22.0°C
Cond – 712 us/cm
Turb – 1.50 NTU's
pHpre – 7.10/10.08 (17.1°C)
pHpost – 7.11/10.07
DTW – 288.39 ft.
Atmos – 12.40 psia

Final
Time – 250407 1440y
PH – 8.29
Temp – 22.4°C
Cond – 695 us/cm
Turb – 1.37 NTU's
pHpre – 7.01/9.98 (27.4°C)
pHpost – 7.02/9.98
DTW – 288.51 ft.
Atmos – 12.38 psia
IDW – ½ gal.

Meter ID
pH/Cond – 15
Turb – 7
" Std – 48.0 NT
" rdg – 48.8 NT
" lot – A50288
" Exp – 4/30/25

Buffers	Lot	Exp
7	CC779793	8/25
10	CC783411	6/25

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250407 1020y	VOA by 8260	ice/HCL	(3)40ml vials	2774	ALS
——— 1021y	607/Bromacil	ice	(1) 1L Amber	01199013	SRL
——— 1334y	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	ALS

Landfill Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250407 1335y	VOA/MTBE/8260 1,2,4-Trichlorobenzene	ice/HCL	(3)40ml vials	63271	HEAL
——— 1336y	SVOA/PCBs/PAHs Herbicides	ice	(4)1L Ambers	91224-09	"

Runs 1) 182.32 2) 182.27 3) 182.23 4) 182.20 5) 182.16 6) 182.13 202.71
203.03 202.98 202.84 202.77 202.74 202.75 182.12
203.00 203.01 202.80 202.76 202.74
182.32 182.29 182.25 182.22 182.17

Continued from page

Read and Understood By

Craig Del Ferro 4/7/25 Signed Date

Ron Unmack 4-8-25 Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/7/25 Page 1 of 2

Sample Location: 700-H-670

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607						Charge Number
250407093oy (EB)	3	A	✓							XGMD
1020y	3	A	✓	~~not~~ CD						4
1021y	1	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 DelZenno	4/7/25/1115hrs		[signature]	4-8-25/0900

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

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/7/25 Page 2 of 2

Sample Location: 700-H-670

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Perchlorate	8260/MTBE	SVOA / PCBs / PAHs / Herbs.					Charge Number
250407 1334y	1	A	✓							XGMD
1335y	3	A		✓						~~XGMD~~ XPCC
1336y	4	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 Del Frando	4/7/25 / 1500hrs.		[signature]	4-8-25 / 0900

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

Tony Torrez & 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 Ion Sitty Aqua Troll 500. Carboy 53 in use.

Calibrations: Initial DTW = 118.75 ft.

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	ORP	Turb
250407 1415 c	21.88	1177	4.96	7.75	98.6	1.06
— 1417 c	21.87	1173	4.91	7.73	98.7	1.02
— 1419 c	21.87	1176	9.95	7.72	98.6	1.03

SAMPLES

# Sample	Analysis	Preserve	Container	Lot	LAB
250407 1423 c	VOA by 8260	Ice/HCl	(3) 40 ml Vial		ALS
— 1424 c	" " (FB)	"	"		"
— 1425 c	Normal Dom N Biomarcil by 607	Ice	(1) 1L Amber		SRL
— 1426 c	Perchlorate	"	(1) 125 ml Poly		ALS

LAND FILL SAMPLES

# Sample	Analysis	Preserve	Container	Lot	LAB
250407 1250 c	VOA + mTBE 1,2,4 Trichlorobenzene (TB)	Ice/HCl	(2) 40 ml Vial		HEAL
— 1251 c	EDB/DBCP (TB) VOA + mTBE	Ice/$Na_2S_2O_3$ (50%)	(1) "		"
— 1427 c	1,2,4 Trichlorobenzene	Ice/HCl	(3) "		"
— 1428 c	EDB/DBCP	Ice/$Na_2S_2O_3$ (50%)	(2) "		"
— 1429 c	SVOA, PCBs PAHs, Herbicides	Ice	(4) 1L Amber		"
— 1430 c	Phenols	Ice/H_2SO_4	(1) "		"
— 1431 c	Cyanide	Ice/NaOH	(1) 500 ml Poly		"
— 1432 c	metals (Calcium, Sodium magnesium, Potassium,	Ice/HNO3	(1) 250 ml Poly		"
— 1433 c	RADCM	"	(2) 1L Poly		"
— 1434 c	TOC	Ice/HCl	(2) 40 ml Vial		"

Continued from page

Read and Understood By

4-7-2025

B-255

4-8-25
Date

LANDFILL SAMPLES

Sample #	Analysis	Preservative	Container	Lot	Lab
250-NDY435 c	Anions (Cl, SO4, Total Phosphate), Alkalinity, pH	Ice	(1) 1L HDPE		WESL
1436 c	" " " (Dup)	"	"		"
1437 c	NO2/NO3, TKN Ammonia, Total N	Ice/H2SO4	(1) 500 ml Poly		"

Continued from page

Read and Understood By

4.7.2025

Tom Munck 4-8-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-7-2025 Page _____ of _____

Sample Location: 709-J-200

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: B260	L07	Perchlorate					Charge Number
Pertinent Notes (if any)										XGMD
250407 1423 c	3	A	X							
1424 c FB	3		X							
1425 c	1			X						
1426 c	1				X					

Sample Location:

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

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4-7-2025 1505			4-8-25 /0900

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

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-7-2025 Page _____ of _____

Sample Location: 700- J-200

Pertinent Notes (if any)

LAND FILL

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	EDB/DBCP	SVOC	Phenols	Cyanide			Charge Number: XPCC HWMP
250407 1250 C TB	2	A	X							
1251 C TB	1			X						
1427 C	3		X							
1428 C	2			X						
1429 C	1				X					
1430 C	1					X				
1431 C	1						X			

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Metals	RADCM	TOC	Anions	Wet Chem			Charge Number: XPCC HWMP
250407 1432 C	1	A	X							
1433 C	2			X						
1434 C	2				X					
1435 C	1					X				
1436 C	1					X				
1437 C	1						X			

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4-7-2025 1505			4-8-25 /0900

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

AL MONTES & TONY TORRES PRESENT. THE WEATHER IS CLEAR & WARM. THIS WELL WILL BE PURGED USING A DEDICATED TEFLON BLADDER PUMP. PER M. FIORA & TROY WE PURGED 2½ GALLONS PRIOR TO SAMPLING. PARAMS COLLECTED FROM A INSITU AQUATROLL 500. CARBOY G-3

CALIBRATION

DO SENSOR	CAL'D IN 100% SATURATION
COND SENSOR	CAL'D IN 1413 uS/cm
pH SENSOR	CAL'D IN 4/7/10 BUFFERS.
TURB SENSOR	CAL'D IN 10 NTU STANDARD.

TRIP BLANKS

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250421 0730C	8260	HCL	(3) 40ml VIALS	ALS

PARAMS

SAMPLE #	TEMP	COND	DO	ORP	TURB	pH
250421 0940C	21.07	715.06	1.88	-45	3.08	8.41
0941C	21.07	712.07	1.77	-42.9	2.62	8.40
0942C	21.07	712.22	1.70	-41.8	2.23	8.43

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONT	LAB
250421 0945C	8260	HCL	(3) 40ml VIALS	ALS
0946C	" (FIB)	"	"	"
0947C	607	ICE	(1) 1LT AMBER	SUB
0948C	8270 D	"	(2) 500ml AMBER	"
0949C	TOTAL METALS	ICE/HNO3	(2) 125ml POLY	ALS
0950C	ALK/ANIONS	ICE	(2) 250ml POLY	"
0951C	TDS	"	(1) "	"
0952C	PERCHLORATE	"	(1) 125ml POLY	"
0953C	NO2/NO3	ICE/H2SO4	(1) 250ml POLY	"

Continued from page

Read and Understood By

4-21-25

4-22-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-21-25 Page 1 of 1

Sample Location: 100-001-GW

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	8260	607	5 VOA	Total Metals	Alk / Anions			Charge Number
											X6MD
250421 0945c	FB	3	A	X							
0946		3		X							
0730c	(TB)	3		X							
0947c		1			X						
0948c		2				X					
0948c		2					X				
0950c		2						X			

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	TDS	Perchlorate	NO2/NO3					Charge Number
0951c		1	A	X							
0952c		1			X						
0953c		1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
T. [illegible]	4-21-25 / 1100		[illegible]	4-22-25 / 0800

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

Frank Gallegos & Tim Moore present. Weather is clear and WARM. These samples will be taken and purged from a dedicated sampling port. Carboy "pine front".

Parameters	Meter ID	Buffers	Lot #	Exp
Time 250411 0546	pH/cond - Pine front	7	CC779793	6/25
pH 7.73	Turb. - Pine front	10	CC783411	8/25
Temp 24.9°C	" STD 9.66 NTU			
cond 1064 uS/cm	" RDG 9.66 NTU			
Turb 0.97 NTU	" Lot # N/A			
PhPre 6.99-10.00 (23.4°C)	Exp 4/30/25			
PhPost - 7.02/10.02				

Samples

Sample #	Analysis	Per	Lot #	Lab	Cont
250411 0550	VOA by 8260 (D) ICE & HCl		N/A	ALS	(3) 40 mL Vial
→ 0551	" (FB)	"	"	"	"
— 0552	NDMA/DMN/BnzBy 607	ICE	"	SWRI	(1) Chamber
— 0553	4 LN DMA	"	"	"	"
— 0554	" (FB)	"	"	"	"
— 0555	SVOA SIM	ICE	"	ALS	(1) 250mL amber

Continued from page N/A

Read and Understood By

Signed 11 Apr 2025 Date

Signed 4-11-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-11-25 Page 1 of 1

Sample Location: B650-EFF-1

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	IDS SM2540C	Charge Number
250411 0550	3	A		X				XGMD
0551 (FB)	3	A		X				"
0552	1	A			X			"
0553	1	A				X		"
0554 (FB)	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
250411 0555	1	A			X					XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	4-11-25 0625	[signature]	4-11-25 0830

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

Frank Calvego & Tim Moore present. Weather is clear and warm. This well will be purged and sampled using a dedicated sampling port. Carboy: Pinefront.

Parameters	Meter ID	Buffers	Lot #	Exp
Time 250411 0559	pH/Cond Pinefront	7	CC779785	6/26
pH 7.13	Turb - Pinefront	10	CC783911	8/25
Temp 24.6°C	" STD 9.66 NTU			
Cond 1063 us/cm	" RDG 9.63 NTU			
Turb 0.51 NTU	" LOT# N/A			
pH Pre 7.01-10.00 (23.8°C)	" Exp			
pH Post				

Samples

Sample #	Analysis	Pres	Lot #	Lab	Cont.
250411 0605	VOA by 8260	ICE & HCl	N/A	ALS	(3) 40 ml vial
— 0606	" (FB)	"	"	"	"
— 0607	NDMA/DMN/Bro by 607	ICE	"	SVM1	(1) 4 amber
— 0608	SVOA_SIM	"	"	ALS	(1) 250 ml amber

Continued from page N/A

Read and Understood By

Signed — Date: 11 Apr 2025

Signed — Date: 4-11-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-11-25

Sample Location: B650-1NF-4

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMNJ/BROMACIL 607 LOW LEVEL NDMA	TOTAL METALS	ANIONS/ALK	TDS SM2540C	Charge Number
250411 0605	3	A		X						XGMD
— 0606 (FB)	3	A		X						"
— 0607	1	A				X				"

Sample Location:

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: PERCHLORATE 6850	NO2/NO3 353.2	SVOA-SIM 8270 1,4 DIOXANE				Charge Number
250411 0608	1	A				X				XGMD
										"

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	4-11-25 0627		4-11-25 0830

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

Frank Gallegos & Tim Moore present. Weather is clear and warm. These samples will be purged and taken using a dedicated sampling port. Carboy "Pine front"

Parameters	meter ID	Buffers	LOT#	Exp
Time 250410 1217	pH/cond - Pine front	7	CC779793	6/25
pH 7.96	Turb - Pine front	10	CC783411	8/25
Temp 25.8°C	" STD 9.66 NTU			
Cond 119 uS/cm	" RDG 9.68 NTU			
Turb 1.03 NTU	" LOT# N/A			
pH PRE 7.01-10.00 (22.0°C)	" Exp 4/30/25			
pH POST 7.02/10.02				

Samples

Sample #	Analysis	Pres	LOT#	LAB, CONT
250410 1224	VOAs 8260 (11)	ICE & HCl	N/A	ALS (3) 40mL vial
— 1225	" (FB)	"	"	" "
— 1226	NDMA 1,4-Dioxane 8270	ICE	"	SWRI (1) Lt-amber
— 1227	LL NDMA	"	"	" "
— 1228	" (FB)	"	"	" "
— 1229	SVOA-SIM	"	"	ALS (1) 250mL amber

Continued from page N/A

Read and Understood By

Signed — Date: 10 Apr 2025

Signed — Date: 4-10-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-10-25 Page 1 of 1

Sample Location: 3655-EFF-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/ALK	TDS SM2540C	Charge Number
250410/1224	3	A		X						XGMD
—— 1225 (FB)	3	A		X						"
—— 1226	1	A			X					"
—— 1227	1	A				X				"
—— 1228 (FB)	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
250410/1229	1	A			X					XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	4-10-25 (1300)	[signature]	4-11-25 / 0830

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

Frank Gallegos & Tim Moore present. Weather is clear and WARM. These samples will be pulled and collected using a dedicated sampling port. Carboy "Pine Front"

Parameters	Meter ID	Buffers	LOT#	Exp
Time 2504101241	pH/cond-Pine Front	7	CC779793	6/25
pH 6.94	Turb-Pine Front	10	CC783411	8/25
Temp 24.5°C	"SN	9.66 NTU		
Cond 1126 uS/cm	"RDG	9.66 NTU		
Turb 1.14 NTU	"LOT#	N/A		
PH PRE 7.00-10.01(24.1°C)	"Exp	4/30/25		
PH POST 7.02/10.02				

Samples

Sample #	Analysis	Pres	LOT#	LAB	Cont
2504101245	VOA by 8260	ICE; HCl	N/A	ALS	(3) 40 mL vial
1246	" (PFB)	"	"	"	"
1247	NDMA/DMN/Bi by 607	ICE	"	SWRI	(1) 4 L amber
1248	SVOA_SIM	ICE	"	ALS	(1) 250 mL amber

Continued from page N/A

Read and Understood By

10 Apr 2025

4-10-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-10-25 Page 1 of 1

Sample Location: 3655-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 / ALK	TDS SM2540C	Charge Number
250410 1245	3	A	X						XGMD
1246 (FB)	3	A	X						"
1247	1	A			X				"
~~1248~~									

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
250410, 1248	1	A			X				XGMD
									"

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	4-10-25 (1300)	[signature]	4-11-25 / 0830

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

Dan Halvorsen & Craig DelFerraro present. Weather is cloudy, cool, and windy. 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
250402 1250A	Low Level NDMA	ice	(1) 1L Amber	011990 1J	SPL

Parameters (time)	temp (c)	cond (us/cm)	DO	ORP	PH	Turb (NTU's)	DTW (ft.)
1) 250402 1415A	20.71	1406	6.72	80.3	7.67	1.42	359.90
2) ——— 1418A	20.73	1400	6.51	81.0	7.67	1.19	359.90
3) ——— 1421A	20.79	1397	6.38	81.4	7.67	1.17	359.90

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250402 1425A	VOA by 8260	ice / HCL	(3) 40ml vials	2774	ACS
——— 1426A	" (Dupl)	"	"	"	"
——— 1427A	" (FB)	"	"	"	"
——— 1428A	Low Level NDMA	ice	(1) 1L Amber	011990 1J	SPL
——— 1429A	" (FB)	"	"	"	"

Initial DTW: 359.60ft. Total gallons purged: 1.5

Continued from page N/A

Read and Understood By

Craig DelFerraro 4/2/25 B-269 Ben Nemeth 4-3-25
Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/2/25 Page 1 of 1

Sample Location: BLM-6-488

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	LLNDMH						Charge Number
Pertinent Notes (if any)										
250402 1250A (TB)	1	A		✓						XGMD
1425A	3	A	✓							4
1426A (Dup.)	3	A	✓							4
1427A (FB)	3	A	✓							4
1428A	1	A		✓						4
1429A (FB)	1	A		✓						4

Sample Location:

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

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Team	4/2/25 / 1500hrs.		[signature]	4-3-25 / 0830

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

WSTF 381C (05/2016)

Marcus Avalos & Tony Torrez present. Weather is breezy & warm. This well will be purged & sampled 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 G-2.

Calibrations

DO· Cal: in 100% saturated air
PH· = using 4, 7, 10 Buffers
Cond· = 1413 uS/cm STD.
Turb· = 20 NTU STD.

Parameters (time)	Temp (°C)	Cond (uS/cm)	DO	ORP	PH	Turb (NTU)
1) 250415 1415 C	21.01	992.94	6.77	116.8	7.70	1.48
2) —— 1417 C	21.04	969.11	6.79	117.1	7.72	1.45
3) —— 1419 C	21.07	977.19	6.82	115.7	7.76	1.40

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250415 1425 C	VOA by 8260LL	HCl/Ice	(3) 40 ml vials	2774	ALS
—— 1426 C	= (FB)	=	=	=	=
—— 1427 C	Low Level NOMA	Ice	(1) 1L Amber	119901	SRI
—— 1428 C	= (FB)	=	=	=	=

Blind Controls

Sample #	Analysis	Preserve	Container	Lot	Lab
250415 1510 C	Low Level NOMA	Ice	(1) 1L Amber	~~119901~~ MS 25BG043A	SRI

Total Gallons Purged· 3 gal

Continued from page

Read and Understood By

MA 4.15.25

4-16-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.15.25 Page 1 of 1

Sample Location: BIM.10.517

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	LLNDMA						Charge Number
250415142SC	3	A	X							XGMD
1426C (FB)	3		X							
1427C	1			X						
1428C (FB)	1			X						
1510C (BC)	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:
	4-15-25 @1520			4-16-25 / 0815

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

WSTF 381C (05/2016)

Tony Torrez & 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 63 in use.

Calibrations:

Initial DTW = 276.05 ft.

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	ORP	Turb
250408/1345 c	21.36	1206	8.36	7.57	104	0.69
—— 1347 c	21.40	1211	8.01	7.58	104	0.73
—— 1349 c	21.48	1213	7.87	7.61	102	0.71

SAMPLES

Sample	Analysis	Preserve	Container	Lot	Lab
250408/1352 c	VOA by 8260	Eq/HCl	(3) 40 ml Vial	2334	ALS
—— 1353 c	" " (FB)	"	"	"	"
—— ~~1354~~ 1354	NDMA/DMN Bromacil by 607	Ice	(1) 1L Amber	01A90	SRL
—— 1355 c	Total metals	Eq/HNO3	(2) 125 ml Poly	N/A	ALS
—— 1356 c	" " (Dup)	"	"	"	"

Continued from page

Read and Understood By

4-8-2025

4-9-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-8-25 Page 1 of 1

Sample Location: Blm. 14-327

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	6PPD	Metals					Charge Number
										X6MD
250408 1352c	3	A	X							
1353c (FB)	3		X							
1354c	1			X						
1355c	2				X					
1356c (Dup)	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:
	4.8.2025 1438			4-9-25 0911

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

11 MONTES & ROB BORROWS PRESENT. WEATHER IS COOL & BREEZY. THIS ZONE
JILL BE SAMPLED USING 5 TRIPLE RINSED STAINLESS STEEL SAMPLE TUBES.
ZEN IN USE. PROBE #1589. CARBOY G-11. SURFACE CHECK DONE PRIOR.
PUMP DRY DONE @ 600 AREA WELL PRIOR & END OF DAY.*

VITAL PARAMETERS	FINAL	METER ID	BUFFERS	EXP
TIME: 250402 0936y	250402 1102y	PH/COND: 15	7.00 779793	8-25
PH = 7.97	7.81	TDS MTR: 7	10.00 778411	6-25
TEMP = 17.8°C	18.8°C	TURB STD = 48.0 NTU		
COND = 998 us/cm	982 us/cm	" BOG = 48.4 NTU		
TURB = 1.85 NTU	1.79 NTU	" 20% = A5020		
PH PRE = 7.06-9.90 (12.9°C)	7.07-8.93 (13.9°C)	" EXP = 4-30		
PH POST = 7.07-9.91	7.06-9.94			
HMDS = 12.34 PSIA.	12.33			
TW = 373.30 FT.	373.32 FT			

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINER	LOT#	LAB
250402 1002y	8260	ICE-HCL	3-40ML VIALS	27711	ALS
0845y	" (EB)	"	"	"	"
1003y	" DUP	"	"	"	"
1005y	6007	ICE	1LT AMBER	001149013	SAI
1035y	TOTAL METAL	ICE-HNO3	2-125ML POLY	102124 2400	ALS

	1)	2)	3)	4)
ON	21.59	21.54	21.53	21.52
	25.37	25.37	25.35	25.37
	25.39	25.39	25.34	25.38
	21.58	21.56	21.51	21.55

GENERATOR WOULDNT START. LOW ON OIL. WENT TO GET OIL.*

Continued from page NA

Read and Understood By

Signed 4.2.25 Date

Tom Munda 4-3-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.02.25 Page 1 of 1

Sample Location: BLM.39.385

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	TOTAL METAL					Charge Number
										XGMD
250402 1002y	3	A	x							
0845y (EB)	3	A	x							
1003y (Dup)	3	A	x							
1005y	1	A		x						
1035y	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:
	4.2.25 11:15			4-3-25 0830

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

WSTF 381C (05/2016)

AI MONTES & ROB BORROS PRESENT. WEATHER IS COOL & WINDY. THIS ZONE WILL BE SAMPLED USING STRIPLE RINSED STAINLESS STEEL SAMPLE TUBES. GEN IN USE. SYSTEM CHECKS DONE PRIOR. PROBE #1539. CARBOY G-1
PUMP DRY @ 600 WELL DONE PRIOR & END OF DAY
FUELED VEHICLE IN A.M.

INITIAL PARAMETERS	FINAL
TIME = 250401 0930Y	250401 1112Y
PH = 8.41	8.32
TURB = 2.45 NTU	2.03 NTU
COND = 624 us/cm	609 us/cm
TEMP = 21.1°C	21.7°C
PH PRE = 7.06-9.98 (16.9°C)	7.06-9.97
PH POST = 7.08-9.97	7.08-9.95
ATMOS = 12.33 PSIG	12.30 PSIG
DTW = 373.16 FT	373.30 FT

METER ID
PH/COND = 15
TURB MTR = 7
" STD = 40.0 NTU
" RDG = 48.3 NTU
" LOT# = A5022
" EXP = 4.30

BUFFERS, EXP
7 = CC779793 8.2
10 = CC783411 6.2

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINER	LOT #	LAB
250401 1006Y	8260	ICE. HCl	3-40 mL VIALS	27774	ACS
—— 0750Y	8260 (TB)	"	"	"	"
—— 0840Y	8260 (EB)	"	"	"	"
—— 1008Y	6007	ICE	1CT AMB.	01-99 6-3	SRL
—— 1035Y	TOTAL METALS	ICE. HNO_3	2-125 mL Poly	102124 2AES	ACS
—— 1038Y	ANIONS. ALK	ICE. Ø HEAD	2-250 mL Poly	101424-2AED	"
—— 1040Y	TOS	ICE	1-250 mL Poly	110424 2ERD	"
—— 1109Y	PERCHLORATE	ICE. 2/3 FULL	125 mL Poly	110424 2EAD	"
—— 1110Y	NO_2 NO_3	ICE H_2SO_4	250 mL Poly	083024 4EK1	"

RUN	1)	2)	3)	4)
	98.01	97.94	97.89	97.81
	101.69	101.65	101.55	101.51
	101.38	101.34	101.31	100.69
	98.01	97.92	97.86	97.81

Continued from page NA

Read and Understood By

Signed 4.1.25 Date

Signed 4.2.25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.1.25 Page 1 of 1

Sample Location: BM.39.560

Analytical Requirement

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	8260	6007	TOTAL METAL	ANIONS. ALK	TDS			Charge Number
250401 1006 y		3	A	x							XGMD
0750 y	TB	3	A	x							
0840 y	EB	3	A	x							
1008 y		1	A		x						
1035 y		2	A			x					
1038 y		2	A				x				
1040 y		1	A					x			

Sample Location:

Analytical Requirement

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	PERCH.	N2 2 N2 3						Charge Number
250401 1109 y		1	A	x							
1110 y		1	A		x						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4.1.25 1120			4-2-25 / 0745

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

WSTF 381C (05/2016)

Dan Halvorsen & 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 an In-Situ Aqua Troll 500. Carboy 63 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) 250403 0910A	17.89	671.10	6.13	174.8	8.46	2.23	529.73 *
2) ——— 0913A	18.01	674.38	5.95	175.6	8.43	1.94	529.73
3) ——— 0916A	18.04	675.62	5.82	177.0	8.42	1.70	529.73

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250403 0920A	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0921A	" (FB)	"	"	"	"
——— 0922A	607/Bromacil	ice	(1) 1L Amber	011990IJ	SRI
* ——— 0923A	*" (MS)*	"	"	"	"
——— 0924A	~~Low Level NDMA~~	"	"	"	"
——— 0925A	" (FB)	"	"	"	"
——— 0926A	Total Metals	ice/HNO_3	(2) 125ml polys	102124-2AES	ALI
——— 0927A	Anions/Alk.	ice	(2) 250ml polys	101424-2AOD	"
——— 0928A	TDS by SM2540C	"	(1) 250ml poly	"	"
——— 0929A	Perchlorate by 6850	"	(1) 125 ml poly	110424-2ERD	"
——— 0930A	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250 ml poly	010825-4EKI	"

Total gallons purged: 2

Initial DTW: 529.61 ft.*
(probe was sticking to casing - may be off a bit??)

* Well went dry during sampling event. 607/LL NDMA were unable to be collected - 607 (MS) only.

Continued from page N/A

Read and Understood By

Craig Del Ferraro
Signed
4/3/25
Date

B-279

Jen Mundt
Signed
4.3.25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/3/71 Page 1 of 1

Sample Location: BLM-40-517

Pertinent Notes (if any): Well went dry during sampling event. 607(MS) and LLNDMA were not collected.

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260	607	LLNDMA	Total Metals				Charge Number
250403 0920A	3	A	✓							XGMD
0921A (FB)	3	A	✓							"
0922A	1	A		✓						"
~~0923A (MS)~~	~~1~~	~~A~~		~~✓~~						"
~~0924A~~	~~1~~	~~A~~			~~✓~~					"
~~0925A (FB)~~	~~1~~	~~A~~			~~✓~~					"
0926A	2	A				✓				"

Sample Location: BLM-40-517

Pertinent Notes (if any):

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Anions/Alk.	TDS	Perchlorate	NO2/NO3				Charge Number
250403 0927A	2	A	✓							XGMD
0928A	1	A		✓						"
0929A	1	A			✓					"
0930A	1	A				✓				"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig DeFreese	4/3/25/1335hrs.		[signature]	4-7-25 /0830

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

Marcus Avalos & 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 and In-Situ AquaTroll 500. Carboy 63 in use.

Calibrations: Initial DTW:

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
250409 0950 C	20.67	560	4.77	8.09	135	0.46
0952 C	20.66	562	4.73	8.03	136	0.49
0954 C	20.67	560	4.76	8.01	134	0.42

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250409 0956 C	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	ALS
0957 C	" " (MS)	"	"	"	"
0958 C	" " (FB)	"	"	"	"
0959 C	NDMA LL	Ice	(1) 1L Amber	119901	SRL
1000 C	" " (FB)	"	"	"	"
1001 C	Anions/Nitr	"	(2) 250 ml Poly	N/A	ALS
1002 C	TDS	"	(1) "	"	"
1003 C	Perchlorate	"	(1) 125 ml Poly	"	"
1004 C	NO2/NO3	He/H2SO4	(1) 250 "	"	"

Continued from page

Read and Understood By

4-9-2025 4-10-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-9-2025 Page _____ of _____

Sample Location: BLM40-595

Analytical Requirement

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	VOA	NORM LL	Anions/DIK	TDS				Charge Number
											XGMD
250409 0956 c		3	A	X							
0957 c	MS	3		X							
0958 c	FB	3		X							
0959 c		1			X						
1000 c	FB	1			X						
1001 c		2				X					
1002 c		1					X				

Sample Location:

Analytical Requirement

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Perchlorate	NO3/NO2						Charge Number
250409 1003 c		1	A	X							
1004 c		1			X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4.9.2025 1100			4-10-25 0840

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

WSTF 381C (05/2016)

Tony Tomez & Dan Halvorsen present. Weather is clear, warm & breezy. 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 Aquatroll 500 - Carboy G3 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 20 NTU STD.

Parameters (Time)	Temp	Cond	DO	pH	ORP	Turb
250411 0850c	20.13	693	6.21	8.10	169	1.65
— 0852c	20.12	696	6.17	8.06	170	1.61
— 0853c	20.12	697	6.18	8.09	170	1.66

SAMPLES

Sample #	Analysis	Preserve	Containers	Lot	Lab
250411 0855c	VOCs by 8260 LL	Ice (HCl)	(3) 40 ml Vials	2734	ALS
— 0856c	" " (FB)	"	"	"	"
— 0857c	VOCs by LL	Ice	(1) 1L Amber	11890	SRL
— 0858c	" " (FB)	"	"	"	"
— 0859c	Anions/Alk	"	(2) 250 ml Poly	N/A	ALS
— 0900c	TDS	"	(1) "	"	"
— 0901c	Perchlorate	"	(1) 125 ml Poly	"	"
— 0902c	NO_3/NO_2	Ice/~~Headspace~~	(1) 250 ml Poly	"	"

NOTE: Unable to get water level. Probe hits pump before reaching water. Still able to sample however unable to monitor levels

Continued from page

Read and Understood By

Signed — 4-11-2025 Date

B-283

Signed — 4-14-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-11-2025 Page _____ of _____

Sample Location: BLM-4D-68E

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: VOA	NDMA GL	Anions / DIK	TPS	Perchlorate			Charge Number: XGMD
2504110855 C		3	A	X							
0856 C	FB	3		X							
0857 C		1			X						
0858 C	FB	1			X						
0859 C		2				X					
0900 C		1					X				
0901 C		1						X			

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: NO3 / NO3							Charge Number: XGMD
2504110902C		1	A	X							

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4-11-2025 1300			4-14-25 / 0800

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

WSTF 381C (05/2016)

4/16/25

42
PROJECT BIM.41.420 WSI ENV.0053

Notebook No. D32 # 138(C)
Continued from page

Marcus Avalos & Tony Torrez 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 tube. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy G.2.

Calibrations
DO - Cal in 100% saturated air.
pH - = using 4,7,10 Buffers.
Cond. = 1413 uS/cm STD.
Turb = 20 NTU STD.

Initial DTW. 353.45'

Parameters (time)	Temp (°C)	Cond (uS/cm)	DO	pH	ORP	Turb (NTU)	DTW (ft)
1) 250416 0940C	21.54	1015.9	4.15	7.37	92.7	1.82	354.65'
2) ——— 0942C	21.55	1013.1	4.08	7.36	93.0	1.54	=
3) ——— 0944C	21.57	1011.7	4.03	7.36	95.8	1.20	=

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250416 0950C	VOA by 8260LL	HCl/Ice	(3) 40 ml vials	2794	ALS
——— 0951C	= (FB)	=	=	=	=
——— 0952C	Low Level NDMA	Ice	(1) 1L Amber	11990	STL
——— 0953C	= (Dup)	=	=	=	=
——— 0954C	= (FB)	=	=	=	=
——— 0955C	Anions/Alk	Ice/Zero HS	(2) 250ml poly	0708242ERG	ALS
——— 0956C	TDS by SM2540C	Ice	(1) =	=	=
——— 0957C	Perchlorate 6850	Ice/1/3 HS	(1) 125ml poly	1104242ERD	=
——— 0958C	NO2/NO3 353.2	H2SO4/Ice	(1) 250ml poly	0930244GKK	=

Total Gallons Purged - 2 gal

Continued from page

Read and Understood By

MA 4/16/25

B-285

4-17-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.16.25 Page 1 of 1

Sample Location: BIM.41.420

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	LL NDMA	Anions/AIK	TDS				Charge Number
250416 0950C	3	A	X							XGMD
0951C (FB)	3	1	X							
0952C	1			X						
0953C (Dup)	1			X						
0954C (FB)	1			X						
0955C	2				X					
0956C	1	↓				X				↓

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Perchlorate	NO2/NO3						Charge Number
250416 0957C	1	A	X							XGMD
0958C	1	1		X						1

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MA GA	4.16.25 @ 1110		[signature]	4-17-25 / 0810

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

4/16/25

Notebook No. D32 # 138(C) 43

PROJECT BIM·41·670 WSI ENV·0053

Continued from page _____

Marcus Avalos & Tony Torrez present. Weather is breezy & hot. This well will be purged & sampled using a dedicated bladder pump. Samples will be collected using a PFAS free discharge hose. Water quality parameters will be monitored using an In-situ Aqua Troll 500. Carboy G.2.

Calibrations
DO - Cal in 100% saturated air
PH. = using 4,7,10 Buffers
Cond. → 1413 µs/cm STD.
Turb. = 20 NTU STD.

Parameters (time)	Temp (C)	Cond (µs/cm)	DO	PH	ORP	Turb (NTU)	DTW (ft)
1) 250416 1400 C	22.34	1007.3	1.24	7.58	-213	0.42	NA
2) ——— 1402 C	22.42	1000.7	1.29	7.59	-212	0.37	"
3) ——— 1404 C	22.40	1001.3	1.32	7.60	-213	0.28	"

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250416 1410 C	VOA by 8260LL	HCl/Ice	(3) 40 mL vials	2794	ALS
——— 1411 C	= (FB)	"	"	"	"
——— 1412 C	Low Level NDMA	Ice	(1) 1L Amber	119901	SRI
——— 1413 C	= (Dup)	"	"	"	"
——— 1414 C	= (FB)	"	"	"	"
——— 1415 C	Anions/Alk	Ice/ZeroHS	(2) 250ml poly	0708242EEQ	ALS
——— 1416 C	TDS by SM2540C	Ice	(1) "	"	"
——— 1417 C	Perchlorate 6850	Ice/1/3 HS	(1) 125 ml poly	1104242EE0	"
——— 1418 C	NO2/NO3 353.2	H_2SO_4/Ice	(1) 250 ml poly	0930244EK1	"

Total Gallons Purged · 3 gal

Continued from page

Read and Understood By

MA 4.16.25 B-287 Tom Munch 4-17-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.16.25 Page 1 of 1

Sample Location: BLM.41.670

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	LLNDMA	Anions/AHK	TDS				Charge Number
250416 1410 C		3	A	X							XGMD
1411 C	(FB)	3	"	X							
1412 C		1			X						
1413 C	(Dup)	1			X						
1414 C	(FB)	1			X						
1415 C		2				X					
1416 C		1					X				

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: Perchlorate	1102/1103						Charge Number
250416 1417 C		1	A	X							XGMD
250416 1418 C		1	"		X						"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	4/16/25 @ 1510		[signature]	4-17-25 / 0810

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

At monitor # 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. Certified GI in use.

Calibrations:

Initial DTW = 174.35 ft.
Final " = 174.49
IDW = 1 gal.

DO Sensor = In 100% Saturated air.
PH Sensor = Using 4, 7, 10 Buffers
Conductivity = Using 9,1413 us/cm STD.
Turbidity = Using a 20 NTU STD.

Parameters (Time)	Temp	Cond	DO	PH	ORP	Turb
250416 0918 A	20.50	2090	8.21	8.23	84.9	9.99
" 0920 A	20.51	2096	8.19	8.18	84.8	9.99
" 0922 A	20.51	2094	8.16	8.21	84.9	9.99

SAMPLES

Sample #	Analysis	Preserve	Containers	Lot	Lab
250416 0925A	VOAs by 8260	Iced/HCl	(3) 40 ml Vial	23774	ALS
" 0926 A	" " (FB)		"	"	"
" 0927 A	Dissolved Bromide by 300	Ice	(1) 1L Amber	119901	SRL
" 0928 A	Total metals	Iced/HNO3	(2) 125 ml Poly	N/A	ALS
" 0929 A	" " (FB)	"	"	"	"
" 0930 A	Anions/Alk	Ice	(2) 250 ml Poly	"	"
" 0931 A	TDS	"	(1) "	"	"
" 0932 A	Perchlorate	"	(1) 125 ml Poly	"	"
" 0933 A	NO2/NO3	Ice/H2SO4	(1) 250 ml Poly	"	"

Continued from page

Read and Understood By

4/-16-2025 Date
B-289
Signed
4-17-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-16-2025 Page _____ of _____

Sample Location: BW-3-180

Analytical Requirement

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	VOA	607	Anions	Diesel/DRO	TDS			Charge Number
250416 0925 A		3	A	X							XGMD
0926 A	FB	3		X							
0927 A		1			X						
0928 A		2				X					
0929 A	FBR	2				X					
0930 A		2					X				
0931 A		1						X			

Sample Location:

Analytical Requirement

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Perchlorate	NO2 NO3						Charge Number
250416 0932 A		1	A	X							XGMD
0933 A		1			X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4.16.2025 1100			4-17-25 / 0810

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

PROJECT JER-1-483 WSI ENV-0110

Notebook No. D32 #13 (15) 23

Continued from page NA

Matt Garcia & Robert Burrous present Weather is clear & cool. This well purged & sampled using a FLute system. Sampl collected using a teflon discharge hose. Zone Purged at least 4 times prior every 20 min. 4 gallons of water Purge prior to sample purge Pressore @ 248psi. Sample Pressc @ 227 psi. Bubbler set @ 3 psi stable @ 6 psi. First 350mL prior to sample discarded. Carboy 62.

Pre Parameters	Parameters	Meter ID
Time - 2504081138B	2504081219B	PH/cond - 92
PH - 8.13	7.92	Turb - 6
Temp - 21.5°C	21.8°C	" STD .8.25
Cond - 1074 uS/cm	1084 uS/cm	" RDG - 495
Turb - 2.20 NTU's	0.66 NTU's	" LOT A50222
PH Pre - 7.02, 10.00 (21.5°C)	6.95, 9.97	" EXP - 4/30
PH Post - " "	" "	

Samples

Sample	Analysis	Preserv.	cont.	Lot	Lab
2504081220B	8260 LL	Ice/HCL	(3) 40 mL vials	2797	ALS
1221B	" (FB)	"	"	"	"
1222B	LL NDMA	Ice	(1) 1L Amber	0119901J	SRI
1223B	" (FB)	"	"	"	"
1224B	1,4 Dioxane	Ice	(1) 250mL Amber		AL

Trip Blanks

Sample	Analysis	Preserv	cont.	Lot	Lab
2504080700B	8260 LL	Ice/HCL	(3) 40mL vials	2797	AL
0701B	LL NDMA	Ice	(1) 1L Amber	0119901J	SR

Continued from page

Read and Understood By

Matt Garcia 4/8/25

B-291

Dave Mundt 4-9-26

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/8/25 Page 1 of 1

Sample Location: JER-1-483

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260 GLL	LL NDMA	1,4 Dioxane					Charge Number
250408 0700B (TB)	3	A	X							XGMD
0701B (TB)	1	A		X						
1220B	3		X							
1221B (FB)	3		X							
1222B	1			X						
1223B (FB)	1			X						
1224B	1				X					

Sample Location: JER-1-563

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260 GLL	LL NDMA	1,4 Dioxane					Charge Number
250408 1235B	3	A	X							XGMD
1236B (FB)	3		X							
1237B	1			X						
1238B (FB)	1			X						
1239B	1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	4/8/25 1345hrs		[signature]	4-9-25 0911

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

PROJECT SER-1-563 WSI ENV-0110

Notebook No. D32#137(B)

Continued from page NA

Matt Garcia & Robert Burrows present. Weather is clear & cool. This well will be purged & sampled using a FLute system. Samples collected using a teflon discharge hose. Zone purged at least 4 times every 20 min. 4 gallons of water purged. Sample Pressure - 227 psi. Purge Pressure - 248 psi. Bubbler - 3/6 Carboy - G7

Pre Parameters	Final Parameters	Meter ID
Time 250408 1146 B	250408 1233 B	PH/cond - 92
PH 8.05	7.77	Turb - C6
Temp - 22.1 °C	21.8 °C	STD - 8.25
Cond - 1151 us/cm	~~HC~~ MC 1154 us/cm	RDG - 4.46
Turb - 1.39 NTU's	0.53 NTU's	CoT - A5025
PHPre - 7.05, 10.10 (21.5)	7.00, 9.95 (24.8°C)	Exp - 4/30
PHPost - " "	" "	

Samples

Sample	Analysis	Preserv	cont	Lot	Lab
250408 1235 B	8260 LL	Ice/HCl	(3) 40mL vials	2797	ALS
1236 B	" (FB)	"	"	"	"
1237 B	LL NDMA	Ice	(1) 1L Amber	0119901 J	SBI
1238 B	" (FB)	"	"	"	"
1239 B	1,4 Dioxane	Ice	(1) 250mL Amber	1414221 G5	ALS

Continued from page

Read and Understood By

Matt Garcia — Signed — 4/8/25 — Date

Jon Munck — Signed — 4-9-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/8/25 Page 1 of 1

Sample Location: JER-1-483

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 GLL	LL NDMA	1,4 Dioxane					Charge Number
250408070OB (TB)	3	A	X							XGMO
0701B (TB)	1	A		X						
1220B	3		X							
1221B (FB)	3		X							
1222B	1			X						
1223B (FB)	1			X						
1224B	1				X					

Sample Location: JER-1-563

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 GLL	LL NDMA	1,4 Dioxane					Charge Number
250408 1235B	3	A	X							XGMO
1236B (FB)	3		X							
1237B	1			X						
1238B (FB)	1			X						
1239B	1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	4/8/25 1345hrs		[signature]	4-9-25 0911

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

WSTF 381C (05/2016)

Matt Garcia & Robert Burrows Present. Weather is clear & cool. This well will be Purged & Sampled using a FLute system. Sampl collected using a teflon discharge hose. Zone purged at least 4 times every 20 min. 4 gallons of water purged. First 350 ML Discarded prior to sample. Sample Pressure - 22Tpsi Purge Pressure - 248psi Bubbler 3/4 Carboy 62

Pre-Parameters	Parameters	Meter ID
Time - 250408 1153B	250408 1249B	PH/Cond - 92
PH - 8.45	7.45	Turb - 6
Temp - 21.5°C	21.4°C	STD - 8.25
Cond - 1093 us/cm	1120 us/cm	RDG - 4.95
Turb - 1.00 NTU's	0.53 NTU's	LOT - A502R
PH Pre 7.0 10.04 (21.4°C)	7.15 10.05 (25.3°C)	EXP - 4/30
PH Post - " 10.07	" "	

Samples

Samples	Analysis	Preserv.	cont.	Lot	Le
250408 1250B	8260 LL	ICE/HCL	(3)40 ML Vials	2T97	A
—— 1251B	" (FB)	"	"	"	"
—— 1252B	LL NDMA	Ice	(1)1L Amber	0119901S	S
—— 1253B	" (EB)	"	"	"	"
—— 1254B	1,4 Dioxane	Ice	(1)250ML Amber	1114221GJ	A

Continued from page

Read and Understood By

Matt Garcia Signed 4/8/25 Date

Jon Munds Signed 4-9-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/8/25 Page 1 of 1

Sample Location: JER-1-683

Sample Number	# of Containers	Sample Matrix*	8260LL	LLNDMA	1,4 Dioxane					Charge Number
Pertinent Notes (if any)										
250408125OB	3	A	X							X GMO
1251B (FB)	3		X							
1252B	1			X						
1253B (FB)	1			X						
1254B	1				X					

Sample Location:

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

Analytical Requirement

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	4/8/25 1345hrs		[signature]	4-9-25 / 0911

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

WSTF 381C (05/2016)

PROJECT JER-2-504 WJI ENV-0110

Notebook No. D32 #137 (B)

Continued from page NA

Matt Garcia & Robert Burrows Present. Weather is clear & cool. Well Purged & sampled using Flute system. Dedicated teflon discharge used. Zoned Purged 4+ times every 20 min. 4 gallons min Purged Sample Pressure - 265 psi. Purge Pressure - 265 Psi Bubbler - 3.5/7 Stable #first 350mL Discarded Prior to sample. 244 psi

Pre Parameters	Parameters
Time - 250409 1050B	250409 1129B
PH - 7.84	7.91
Temp - 22.0°C	24.4°C
cond - 1006 us/cm	986 us/cm
Turb - 3.95 NTU's (25.1°C)	1.51 NTU's
PH pre - 7.10, 10.00	7.08, 10.00 (26.0)
PH post - " "	7.05, 10.00

Meter ID
PH/cond - 92
Turb - 6
STD - 8.25
RDG - 4.52
Lot - A502
EXP - 4/30

Samples

Sample	Analysis	Preserv	cont.	Lot	Lab
250409 0700B	8260LL(TB)	Ice/HCl	(3) 40mL vials	2797	ALS
0701B	LL NDMA(TB)	Ice	(1) 1L Amber	01199615	SRI
1130B	8260LL	Ice/HCl	(3) 40mL vials	2797	
1131B	" (FB)	"	"	"	"
1132B	LL NDMA	Ice	(1) 1L Amber	01199015	
1133B	" (FB)	"	"	"	"
1134B	1,4 Dioxane	Ice	(1) 250mL Amber	111422 1GJ	A

Continued from page

Read and Understood By

Matt Garcia 4/9/25 Signed Date

B-297

Ron Munck 4-10-25 Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/9/25 Page 1 of 1

Sample Location: JER-2-504

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NDMA	1,4 Dioxane					Charge Number
250409 0700B (TB)	3	A	X							XGMD
0701B (TB)	1			X						
1130B	3		X							
1131B (FB)	3		X							
1132B	1			X						
1133B (FB)	1			X						
1134B	1				X					

Sample Location: JER-2-584

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NDMA	1,4 Dioxane					Charge Number
250409 1146B	3	A	X							XGMD
1147B (FB)	3		X							
1148B	1			X						
1149B (FB)	1			X						
1150B	1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	4/9/25 1250hrs		[signature]	4-10-25 /0840

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

PROJECT JER-2-584 WJI ENV-0110

Notebook No. D32 #13 (B) 27

Continued from page NA

Matt Garcia & Robert Burrows present. Weather is clear & cool. Well Purged & sampled using a FLute system. Dedicated teflon discharge hose used Zone purged 4+ times every 20 min. 4 gallons (min) of water purged. Sample Pressure - 244 psi *first 350 mls Discarded Prior to sample. Purge Pressure - 265 psi Bubbler - 3.5 / 7 stable

Pre. Parameters	Parameters
Time - 250409 1055B	250409 1145B
PH - 7.57	7.76
Temp - 22.2°C	22.4°C
Cond - 1050 us/cm	1050 us/cm
Turb - 2.10 NTU's	1.00 NTU's
PHpre - 7.10, 10.07 (25.7)	7.09, 10.05 (25.1°C)
PHpost - " "	" "

Meter ID
PH/cond - 92
Turb - 6
STD - 8.25
RDG - 4.52
LOT - A5622
EXP - 4/30

Samples

Sample	Analysis	Preserv	cont	Lot	Lab
250409 1146B	8260LL	Ice/HCL	(3)40mL vials	2794	AL
" 1147B	" (FB)	"	"	"	"
" 1148B	LL NDMA	Ice	(1)1L Amber	0119015	SR
" 1149B	" (FB)	"	"	"	"
" 1150B	1,4 Dioxane	Ice	(1)250mL Amber	1142216	AL

Continued from page

Read and Understood By

Matt Garcia
Signed

4/9/25
Date

B-299

Ron Unruh
Signed

4-10-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/9/25 Page 1 of 1

Sample Location: JER-2-504

Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NDMA	1,4 Dioxane					Charge Number
Pertinent Notes (if any)			Analytical Requirement							
250409070OB (TB)	3	A	X							X GMO
0701B (TB)	1			X						
1130B	3		X							
1131B (FB)	3		X							
1132B	1			X						
1133B (FB)	1			X						
1134B	1				X					

Sample Location: JER-2-584

Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NDMA	1,4 Dioxane					Charge Number
Pertinent Notes (if any)			Analytical Requirement							
250409 1146B	3	A	X							X GMO
1147B (FB)	3		X							
1148B	1			X						
1149B (FB)	1			X						
1150B	1				X					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	4/9/25 1250hrs		[signature]	4-10-25 /0840

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

PROJECT JER-2-684/6 WJIENV-0110

Notebook No. D32 #137 (13)

Continued from page NA

Matt Garcia & Robert Burrows Present. Weather is clear & cool. well purged & sampled using a FLute system. dedicated teflon discharge hose used. Zone purged 4+ times every 20 min. 4 gallons min purged.
*first 350 mLs Discarded Prior to sample.

Sample Pressure - 24 Psi
Purge Pressure - 26 psi
Bubbles - 3.5/7 stab

Pre-Parameters	Parameters
Time - 250409 1100B	250409 1203B
PH - 7.57	7.44
Temp - 22.0 °C	24.0 °C
Cond - 1056 us/cm	1038 us/cm
Turb - 4.66	.83 NTUs
PHPre - 7.06, 10.05 (25.5)	7.09, 10.08 (25.2)
PHPost - " "	7.09, 10.06

Meter ID
PH/cond - 92
Turb - 6e
STD - 8.25
RDG - 4.52
LOT - A5022
EXP - 4/30

Samples

Sample	Analysis	Preserv	cont.	Lot	Lab
250409 1205B	8260 LL	Ice/HCL	(3) 40 mL vials	2797	ALS
1206B	" (FB)	"	"	"	"
1207B	LL NDMA	Ice	(1) 1L Amber	01199015	SRI
1208B	" (FB)	"	"	"	"
1209B	1,4 Dioxane	Ice	(1) 250 mL Amber	1114221695	ALS

Continued from page

Read and Understood By

Matt Garcia — Signed — 4/9/25 — Date

B-301

Ron Munck — Signed — 4-10-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/9/25 Page 1 of 1

Sample Location: JER-2-684

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	LL NDMA	1,4 Dioxane					Charge Number
250409 1205B	3	A	X							XGMD
1206B (FB)	3		X							
1207B	1			X						
1208B (FB)	1			X						
1209B	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 Garcia	4/9/25 1250hrs			4-10-25 / 0840

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

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PROJECT JP-1-424 ENV-0053

Notebook No. D32 # 138 (c)
Continued from page _____

Marcus Avalos & Tony Torrez present, Weather is ~~clear~~ MS cloudy & cool. 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-Site Aqua Troll 500. Calibration C-2.

Calibrations
DO- Cal in 100% saturated air
pH- = using 4, 7, 10 Buffers
cond- = @ 1413 uS/cm STD.
turb- = @ 20 NTU STD.

Initial DTW - 418.90'

Trip Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250414080OC	VOA by 8260LL	HCl/Ice	(3) 40 ml vials	2774	ALS
—— 0801C	Low Level NDMA	Ice	(1) 1L Amber	119901	SRI

Parameters (time)	Temp (°C)	Cond (uS/cm)	DO	pH	ORP	Turb (NTU)	DTW (ft)
1 250414 1000 C	21.13	998.22	7.51	7.77	128.5	0.41	419.10
1 —— 1002 C	21.15	1003.3	7.47	7.78	128.9	0.34	"
1 —— 1004 C	21.17	1000.5	7.40	7.79	129.0	0.28	"

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250414 1010 C	VOA by 8260LL	HCl/Ice	(3) 40 ml vials	2774	ALS
—— 1011 C	= (FB)	"	"	"	"
—— 1012 C	Low Level NDMA	Ice	(1) 1L Amber	119901	SRI
—— 1013 C	= (FB)	"	"	"	"
—— 1014 C	Total Metals	HNO3/Ice	(2) 125 ml poly	NA	ALS
—— 1015 C	= (Dup)	"	"	"	"

Total Gallons - 2 gal

Continued from page

Read and Understood By

MG 4/14/25

B-303

Tom Mumcke 4-15-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/14/25 Page 1 of 1

Sample Location: JP.1.424

Analytical Requirement: 8260 LL | LL NDMA | T. Mehls

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NDMA	T. Mehls					Charge Number
250414080Oc (TB)	3	A	X							XGMD
0801c (TB)	1			X						
1010c	3		X							
1011c (FB)	3		X							
1012c	1			X						
1013c (FB)	1			X						
1014c	2				X					

Sample Location:

Analytical Requirement: T. Mehls

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	T. Mehls							Charge Number
250414101Sc (Dup)	2	A	X							XGMD

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
MDW	4/14/25 @ 1105			4-15-25 / 0845

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

4/14/25

PROJECT JP·2·447 ENV·0053

Notebook No. D32 # 138(C) 39

Continued from page

Marcus Avalos & Tony Torrez present. Weather is cloudy & 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.2.

Calibrations
DO: Calin 100% saturated air
PH: " using 4, 7, 10 Buffers
Cond: " 1413 us/cm STD.
Turb: " 20 NTU STD.

Parameters (Time)	Temp (°C)	Cond (us/cm)	DO	PH	Turb (NTU)	ORP	DTW
1) 2504141425C	21.96	1050.0	3.94	7.76	0.34	98.6	419.34
2) —— 1428C	21.98	1058.8	3.75	7.75	0.28	99.1	"
3) —— 1431C	22.00	1064.7	3.83	7.74	0.21	100.4	"

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
2504141435C	VOA by 8260 U	HCl/Ice	(3) 40 ml vials	2774	ALS
—— 1436C	" (FB)	"	"	"	"
—— 1437C	607/Bromacil	Ice	(1) L Amber	119901	SPCL
—— 1438C	" (FB) (Dup)	"	"	"	"
—— 1439C	LL NDMA	"	"	"	"
—— 1440C	" (MS)	"	"	"	"
—— 1441C	" (MSD)	"	"	"	"
—— 1442C	" (FB)	"	"	"	"
—— 1443C	Total Metals	HNO3/Ice	(2) 125 ml poly	NA	ALS
—— 1444C	TDS by SM2540C	Ice	(1) 250 ml poly	07082426RG	"
—— 1445C	Anions/Alk	Ice/Zero HS	(2) "	"	"
—— 1446C	Perchlorate (6850)	Ice/1/3 HS	(1) 125 ml poly	110424ZERO	"
—— 1447C	NO2/NO3 353.2	H2SO4/Ice	(1) 250 ml poly	0930244EK1	"

Total Gallons: 2 gal

Continued from page

Read and Understood By

MJC 4.14.25 B-305 Tom Munck 4-15-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.14.25 Page _____ of _____

Sample Location: SP.2 · 447

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	607/Rsk	LL NDMA					Charge Number
250414 1435c		3	A	X							XqMD
1436c	(FB)	3		X							
1437c		1			X						
1438c	(Dup)	1			X						
1439c		1				X					
1440c	(MS)	1				X					
1441c	(MSD)	1				X					

Sample Location:

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: LL NDMA	T. Metals	TDS	Anions/Alk	Perchlorate	NO2/NO3		Charge Number
250414 1442c	(FB)	1	A	X							XqMD
1443c		2			X						
1444c		1				X					
1445c		2					X				
1446c		1						X			
1447c		1							X		

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
WS GS	4/14/25 @ 1530		[signature]	4-15-25 / 0845

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

Al montes & Dan Hallworsen 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 Ion. Sitty AquaTroll 500. Carboy G3 in use.

Calibrations: Initial DTW = Transducer

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.

Trip Blanks

Sample #	Analysis	Preserve	Container	Lot	Lab
250410 0720c	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	ALS
—— 0721c	NDMA LL	Ice	(1) 1L Amber	119901	SRL

Parameters (Time)	Temp	Cond	DO	PH	ORP	Turb
250410 0915c	20.84	1004	7.41	7.61	152	0.56
—— 0917c	20.84	1005	7.40	7.57	151	0.61
—— 0919c	20.87	1001	7.42	7.58	151	0.58

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250410 0923c	VOA by 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	ALS
—— 0924c	" " (FB)	"	"	"	"
—— 0925c	NDMA LL	Ice	(1) 1L Amber	119901	SRL
—— 0926c	" " (FB)	"	"	"	"

Continued from page

Read and Understood By

4-10-2025

4-11-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.10.25 Page 1 of 1

Sample Location: JA3.509

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: 2MA LL						Charge Number: XGMD
250410 0720 c TB	3	A	✓							
0721 c TB	1			✓						
0923 c	3		✓							
0924 c FB	3		✓							
0925 c	1			✓						
0926 c FB	1			✓						

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]	4.10.25 1100		[signature]	4-11-25 / 0830

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

All members of 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. Water quality parameters will be monitored using an In-Situ Aqua Troll 500. Carboy 63 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 20 NTU STD

Parameters (Time)	Temp	Cond	DO	PH	ORP	Turb
250410 1410c	21.87	1015	6.10	7.77	80	0.97
—— 1412c	21.87	1012	6.07	7.71	82	0.93
—— 1414c	21.88	1011	6.08	7.75	80	0.96

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	LAB
250410 1420c	VOA's 8260 LL	Ice/HCl	(3) 40 ml Vial	2774	QLS
—— 1421c	" " (FB)	"	"	"	"
—— 1422c	NDMA LL	Ice	(1) 1L Amber	119901	SRL
—— 1423c	" " (FB)	"	"	"	"

Continued from page

Read and Understood By

4-10-2025

4-11-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4·10·25 Page 1 of 1

Sample Location: JP.3.689

Pertinent Notes (if any)

Analytical Requirement

Sample Number	# of Containers	Sample Matrix*	LCO2600	LCNDMA						Charge Number
										XGMD
250410 1420 c	W	D	X							
1421 c FB	3	1	X							
1422 c	1			X						
1423 c FB	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:
	4·10·25 3:15			4-11-25 0830

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

WSTF 381C (05/2016)

Frank Gallegos & Tim Moore present. Weather is clear and WARM. This well will be purged and sampled using a dedicated sampling port Carboy: Pine front.

Parameters		Meter ID	Buffers	Lot #	Exp
Time	2504090845	pH/cond-Pine front	7	CC779793	6/25
pH	7.18	Turb-Pine front	10	CC783411	8/25
Temp	24.3 C	(STD 9.66 NTU			
Cond	1046 us/cm	RDG 9.64 NTU			
Turb	1.52 NTU	LOT# N/A			
pH Pre	7.02-10.00 (20.1 C)	EXP 4/30/25			
pH Post	7.02/10.02				

Samples

Sample #	Analysis per	Lot #	Lab Cont
2504090847	VOA by 8260D ICE HCl	N/A	ALS (3) 40mL Vial
— 0848	" (FB)	"	" "
— 0849	NDMA/DMN/Bromide 607 ICE	"	SWRI (4) 4 Amber

Continued from page N/A

Read and Understood By

Signed 9 Apr 2025 Date B-311 Signed 4-9-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-9-25 Page 1 of 1

Sample Location: PFE-1

Sample Number	# of Containers	Sample Matrix*	Pertinent Notes (if any)	Analytical Requirement: VOA 8260	LL-VOA 8260LL	NDMA/DMNP/BROMACIL 607 LOW LEVEL NDMA	TOTAL METALS ANIONS/ALK	TDS SM2540C
250409 0847	3	A		X				
0848 (FB)	3	A		X				
0849	1	A				X		

Charge Number: XGMD

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:
	4-30-25 (0930)		4-10-25 / 0840

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

Frank Gallegos & Tim Moore present. Weather is clear and warm. These samples will be purged and sampled using a dedicated sampling system carboy "Pine Front"

Parameters	Meter ID	Buffers	Lot #	Exp
Time 250409090	pH/cond-Pine Front 7	CC	779793	6/25
pH 7.23	Turb. Pine Front 10	CC	783411	8/25
Temp 28.1 C	"STD 9.66 NTU			
cond 1076 us/cm	"RDG 9.69 NTU			
Turb 1.42 NTU	"Lot # - N/A			
Pipe 7.00-10.00 (25.9 C)	"Exp - 4/30/25			
pH post - 7.02-10.02				

Samples

Sample #	Analysis	Pres	Lot #	Lab Cont
250409090S	VOA by 8260	ICE; HCl	N/A	ALS (3) 40 mL vial
← 0909	" (FB)	"	"	" "
← 0910	NDMA IDMN/Br by 6007	ICE	"	SWRI (1) Liter bottle

Continued from page N/A

Read and Understood By

Signed — 9 Apr 2025 Date — B-313 — Signed — 4-9-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-9-25 Page 1 of 1

Sample Location: PEE-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 / ALK	TDS SM2540C	Charge Number
250409 0908	3	A	X					XGMD
— 0909 (FB)	3	A	X					"
— 0910	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]	4-9-25 (0930)	[signature]	4-10-25 0840

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

Frank Gallegos & Tim Moore present. Weather is clear and WARM. This well will be purged and sampled using a dedicated sampling port. Carboy: Pluefront.

Parameters		Meter ID	Buffers	Lot #	Exp
Time	2504080946	PH/cond-Pluefront 7		CC 799793	6/25
PH	7.26	Turb - Pluefront 10		CC 783411	8/25
Temp	23.5 C	: STD - 9.66			
Cond	1096 us/cm	: RDG - 9.66			
Turb	- 4.22	: Lot # - N/A			
PH Pre	7.02 - 10.00 (16.1)	: Exp 4/30/25			
PH Post	- 7.02 - 10.02				

Sample #	Analysis	Pres	Lot #	CAB CONT
2504080946	VOA by 8260	ICE; HCl	N/A	AIS (5) 40 ml vial
0947	: (FB)	: :	: :	: :
0948	NDMA/DMNB by 4607	ICE	: :	SWRI (1) Chamber

Continued from page N/A

Read and Understood By

Signed — Date 4-8-25 — Signed — Date 4-8-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-8-25 Page 1 of 1

Sample Location: PFE-3

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
8504080946	3	A	X						
— 0947 (FB)	3	A	X						
— 0948	1	A			X				

Charge Number: XGMD

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: PERCHLORATE 16850	NO2/NO3 353.2	SVOA-SIM 1,4 DIOXANE 8270				

Charge Number: XGMD

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
	4-8-25 (1000)		4-9-25 / 0911

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

FT-NH Geologist: Tim Moore present. Weather is clear and warm, This well will be purged and sampled using dedicated sampling port Carboy: Pinetront.

Parameters	meter ID	Buffers	LOT #	Exp
Time- 250408 0920	Ph/cond-Pinetront 7	CC-709793	6/25
Ph. 7.25	Turb-Pinetront 10	CC-783411	8/25
Temp 23.7°C	STD- 9.66 NTU		
Cond. 1103 us/cm	RDG- 9.66 NTU		
Turb. 1.18 NTU	LOT # N/A		
Ph Pre 7.00-10.01 (8.01) Exp 4/30/25			
Ph Post 7.02-10.02			

Samples

Sample #	Analysis	Pres	LOT #	LAB	Cont.
250408 0925	VOAs by 8260	ICE & HCl	N/A	ALS	(3) 40mL vial
0926	" (FB)	"	"	"	"
0927	NDMA (DMNBA) by 607	ICE	"	SWRI	(1) Ct amber
0928	CC NDMA	"	"	"	"
0929	" (Dup)	"	"	"	"
0930	" (FB)	"	"	"	"

Continued from page N/A

Read and Understood By

Signed 8/Apr 2025 Date

B-317

Pete Mundt 4-8-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-8-25 Page 1 of 1

Sample Location: PFE-4A

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
250408 0925	3	A	X					XGMD
— 0926 (FB)	3	A	X					"
— 0927	1	A			X			"
— 0928	1	A				X		"
— 0929 (DUP)	1	A				X		"
— 0930 (FB)	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]	4-8-25 (1000)		[signature]	4-9-25 / 0911

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

Frank Gallegos & Tim Moore present. Weather is clear and warm. This well will be purged using a dedicated sampling port. Carboy "Pine front"

Parameters	Meter ID	Buffers	LOT#	Exp
Time 250409085 9	DO/cond - Pine front	7 -	CC779793	6/25
Ph 7.54	Turb - Pine front	10 -	CC783411	8/25
Temp 25.2 C	"STD - 9.66 NTU			
cond 1150 us/cm	"RDG - 9.67 NTU			
Turb 2.06 NTU	"LOT# - N/A			
Ph Pre 7.00 - 10.00 (20.9C)	"Exp - 4/30/25			
Ph Post - 7.02 / 10.02				

Samples

Sample #	Analysis	Pres	LOT#	LAB CONT
250409085 4	VOA by 8260	ICE HCl	N/A	ALS (3) 40 ml Vial
— 0825	"(Dup)	"	"	" "
— 0826	"(FB)	"	"	" "
— 0827	NDMA/APNU/Bldby 6007	ICE	"	SWR1 (1) Cl Amber
— 0828	"(Dup)	"	"	" "

Continued from page N/A

Read and Understood By

Signed — Date 9/9/2025 B-319 — Signed — Date 4-9-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-9-25 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/DMNP/BROMACIL by 607 LOW LEVEL NDMA	TOTAL METALS ANIONS/ALK	TDS SM2540C	Charge Number
250409 0824	3	A	X					XGMD
— 0825 (Dup)	3	A	X					"
— 0826 (FB)	3	A	X					"
— 0827	1	A			X			"
— 0828 (Dup)	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]	4-9-25 (0930)		[signature]	4-10-25 / 0840

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

Frank Collazos & Tim Moore present. Weather is clear and cool. This well will be purged and sampled using a dedicated sampling pole. Carboy: "Pine Point"

Parameters		Meter ID	Buffers	Lot #	Exp
Time	2504140920	pH/cond-Pinetront 7	CC799793		6/25
pH	7.07	Turb-Pinetront 10	CC783411		6/25
Temp	24.8°C	" STD 9.66 mV			
Cond	1098 µs/cm	" RDG 9.65 mV			
Turb	3.82 NTU	" Lot # - N/A			
Ph Pre	7.02 - 10.00 (23.8°C)	" Exp 4/30/26			
Ph Post	7.00 / 10.02				

Samples

Sample #	Analysis	Pres	Lot #	Lab Cont
2504140925	VOA by 8260	ICE & HCl	N/A	AES (3) 40mL Vial
— 0926	" (FB)	"	"	" "
— 0927	NDMA/NMN/Bio by 4007	ICE	"	SWRI (1) 1L amber
— 0928	LL NDMA	"	"	" "
— 0929	" (Dup)	"	"	" "
— 0930	" (FB)	"	"	" "

Continued from page N/A

Read and Understood By

Signed 14 Apr 2026 Date B-321 Tom Mumbr 4-14-26 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-14-25 Page 2 of 2

Sample Location: PFE-7

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
250414 0925	3	A	X							XGMD
— 0926 (FB)	3	A	X							
— 0927	1	A			X					
— 0928	1	A				X				
— 0929 (Dup)	1	A				X				
— 0930 (FB)	1	A				X				

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:
[signature]	4-14-25 (0945)	[signature]	4-15-25 / 0945

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

4/15/25

40

PROJECT P1.1.486 WJI ENV.0053

Notebook No. D32 # 138(c)

Continued from page _____

Marcus Aughes & Tony Torrez present. Weather is windy & cool. 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-2.

Calibrations

DO. Cal in 100% saturated air.

PH. = using 4, 7, 10 Buffers

Cond. = 1413 us/cm STD.

Turb. = 20 NTU STD.

Initial DTW. 491.00

Total Gallons Purged - 2 gal

Trip Blanks

Sample #	Analysis	Preserve	Container	lot	lab
250415080000	Low Level NDMA	Ice	(1) 1L Amber	119901	SRI

Parameters (time)	Temp(C)	Cond(us/cm)	DO	PH	ORP	Turb (NTU)	DTW(ft)
1) 250415 1000 C	20.53	1018.7	6.99	7.65	102.2	1.10	491.75'
2) —— 1002 C	20.50	1024.1	7.06	7.65	102.6	0.88	=
3) —— 1004 C	20.55	1020.2	6.98	7.63	102.9	0.65	=

SAMPLES

Sample #	Analysis	Preserve	Container	lot	lab
250415 1010 C	VOA by 8260D	HCl/Ice	(3) 40ml vials	2774	ALS
—— 1011 C	= (Dup)	=	=	=	=
—— 1012 C	= (FB)	=	=	=	=
—— 1013 C	607/Bromacil	Ice	(1) 1L Amber	119901	SRI
—— 1014 C	Low Level NDMA	=	=	=	=
—— 1015 C	= (FB)	=	=	=	=
—— 1016 C	Total Metals	HNO3/Ice	(2) 125ml poly	NA	ALS

Blind Controls

Sample #	Analysis	Preserve	Container	lot	lab
250415 1100 C	VOA by 8260D	HCl/Ice	(3) 40ml vials	25B0044A	ALS
—— 1101 C	607/Bromacil	Ice	(1) 1L Amber	25B0044B	SRI
—— 1102 C	Total Metals	HNO3/Ice	(2) 125ml poly	25B0044C	ALS

Continued from page

Read and Understood By

MA 4.15.25

B-323

Tom W Murdoch 4-16-25

Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.15.25 Page 1 of 1

Sample Location: PI.1.486

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	607/Bro	LL NMP					Charge Number
250415080OC (TB)	1	A			X					XGMD
1010C	3		X							
1011C (Dup)	3		X							
1012C (FB)	3		X							
1013C	1			X						
1014C	1				X					
1015C (FB)	1				X					

Sample Location:

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: T. Metals	8260LL	607/Bro					Charge Number
250415101GC	2	A	X							XGMD
1100C (BL)	3			X						
1101C (BL)	1				X					
1102C (BL)	2		X							

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	4.15.25 @ 1105		[signature]	4-16-25 / 0815

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

WSTF 381C (05/2016)

DC MATEJ & ROB BURGOS PRESENT. WEATHER IS COLD & CLOUDY. THIS ZONE WILL BE SAMPLED USING 5 TRIPLE RINSED STAINLESS SAMPLE TUBES. CARBOY G-1. PROBE #1539. SYSTEM CHECKS DONE PRIOR.
* PUMP DRY DONE MORNING & AFTERNOON @ 600 WELL *

PARAMETERS	FINAL	METER ID	BUFFERS	EXP
TIME = 250403 1306Y	250403 1438Y	PH/COND: 15	7 - CC779793	8.25
PH = 8.35	7.97	TURB/TR: 7	10 - CC778341	6.25
TEMP = 22.5 °C	21.5 °C	" STD: 4.0 NTU		
COND = 979 uS/cm	1058 uS/cm	" RDG: 48.3 NTU		
TURB = 2.67 NTU	1.46 NTU	" LOT#: A5020		
PH PRE = 7.04-10.03 (19.8°)	7.04-10.03	" EXP: 4.30		
PH POST = 7.03-9.97	7.03-9.49			
ATMOS: 12.33 PSIA	12.34 PSIA			

SAMPLES

SAMPLE #	ANALYSIS	PRESERV	CONTAINER	LOT #	LAB
250403 1329Y	LL 8260	ICE-HCl	3-40 ML VIALS	2774	ALS
——— 1029Y	LL 8260 (EB)	"	"	"	"
——— 0730Y	LL 8260 (TB)	"	"	"	"
——— 1335Y	607	ICE	1 LT AMB	01199043	SRL
——— 1401Y	LL NDMA	"	"	"	"
——— 1033Y	LL NDMA (EB)	"	"	"	"
——— 0731Y	LL NDMA (TB)	"	"	"	"
——— 1428Y	TOTAL METALS	ICE/HNO_3	2-125 ML P/G		ALS

RUN	1)	2)	3)	4)
	47.67	47.61	47.57	47.52
	53.62	53.62	53.59	53.57
	53.60	53.61	53.63	53.61
	47.63	47.60	47.61	47.61

Continued from page 1A

Read and Understood By

4.3.25 Date B-325 Signed 4.7.25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.3.25 Page ' of '

Sample Location: ~~Bldg~~ PG-6-545

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 6850	607	LL NDMA					Charge Number
										XGMD
250403 1329y	3	A	X							
1029y EB	3		X							
0730y TB	3		X							
1335y	1			X						
1401y	1				X					
1033y EB	1				X					
0731y TB	1				X					

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Perc + Nitr							Charge Number
										XGMD
250403 1428y	2	A	X							

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
	4.3.25 3:15			4-7-25 / 0930

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

WSTF 381C (05/2016)

AL MONTES & ROB BURROWS PRESENT. WEATHER IS WINDY & HAZY. THIS ZONE WILL BE SAMPLED USING 5 TRIPLE RINSED STAINLESS TUBES. GEN IN USE. PROBE #1539. CARBOY G-1. SYSTEM CHECKS ON PROBE DONE PRIOR. MOVED WELLS & SET UP.
* PUMP DRY 600 WELL DONE START AND END OF DAY. *

PARAMETERS	FINAL	METER ID	BUFFERS	EXP
TIME = 250402 1436y	250403 0946y	PH/COND = 15	7 - cc779793	8.25
PH = 7.48	7.61	TURB MTR = 7	10 - cc778341	6.25
TEMP = 21.1 °C	21.4 °C	" STD = 48.0 NTU		
COND = 884 us/cm	1048 us/cm	" RDG = 48.4 NTU		
TURB = 5.82 NTU	2.23 NTU	" LOT# = A5020		
PH PRE = 7.02-9.99 (15.8c)	7.03-9.98 (16.7c)	" EXP = 4.30		
PH POST = 7.03-9.98	7.03-9.97			
DTW = STUCK @ 452 FT FT	~4			
ATMOS = 12.31 PSIA	12.33 PSIA			

SAMPLES

SAMPLE#	ANALYSIS	PRESERV	CONTAINER	LOT#	LAB
250403 0835y	LL 8260	ICE · HCl	3-40ml VIALS	2774	ALS
250402 1345y	" (EB)	" "	"	"	"
250403 0837y	607	ICE	1LT AMBER	01199013	SCI
250403 0910y	LL NDMA	"	"	"	"
250402 1347y	LL NDMA (EB)	"	"	"	"
250403 0916y	TOTAL METALS	ICE-HNO_3	2-125ml POLY	—	ALS

RUN 1)	2)	3)	4)
126.28	126.27	126.23	126.22
132.17	132.38	132.39	132.40
132.16	132.36	132.41	132.41
126.23	126.26	126.22	126.21

* COLLAR DETECT FREEZING UP THIS A.M., RESTARTED, THEN HAMLET MASDAX #

Continued from page NA

Signed 4.3.25 Date B-327 Read and Understood By 4.7.25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.2.25 Page 1 of 1

Sample Location: PL-6-725

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NDMA	607					Charge Number
										X6MD
250402 1345y EG	3	A	X							
1347y "	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:
	4.2.25 3pm			4-3-25 0830

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

WSTF 381C (05/2016)

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.3.25 Page 1 of 1

Sample Location: PL.6.725

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	LL8260	LL2DMA	607	TOTAL METALS				Charge Number
			Analytical Requirement							XGMD
250403 0835 Y	3	A	x							
0837 Y	1	A			x					
0910 Y	1	A		x						
0916 Y	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:
	4.3.25 11:15			4-7-25 0830

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

WSTF 381C (05/2016)

Al montes & Dan Halvorsen present, weather is cloudy, breezy and warm. This zone will be sampled using 2 triple rinsed stainless steel sampling tubes. Surface checks performed on probe #4951 prior to sampling. Generator in 430.

30 minute equipment blanks (carboy 63)

Sample #	Analysis	Preserve	Container	LOT	LAB
250414)1345y	VOA by 8260 LL	Ice/HCl	(3)40 ml Vial	2774	ALS
—— 1346y	NDMA LL	Ice	(1)1L amber	119901	SRL

Initial Parameters	Final Parameters	meter ID
Time = 250414)1415y	250415)1100y	PH/cond = 15
PH = 8.01	8.05	Turb = 7
Temp = 23.8°C	23.7	STD = 48.0
Cond = 1010 us/cm	1061	RDG = 48.3
Turb = 3.28 ntu's	3.01	LOT = A5022
PH Pre = 6.99-10.01	6.99-10.01	Exp - 4/25
PH Post = 6.98-10.00	6.98-10.01	
Atmos = 12.58 psia	12.57	
DTW = 471.62 ft	471.70 ft.	

SAMPLES

Sample #	Analysis	Preserve	Container	LOT	LAB
250414)1452y	VOA by 8260 LL	Ice/HCl	(3)40 ml Vial	2774	ALS
—— 1453y	NDMA LL	Ice	(1)1L Amber	119901	SRL
250415 0835y	SVOC - SIM	"	(1)250 ml Amber	N/A	ALS
—— 0836y	Total metals	Ice/HNO3	(2)125 ml Poly	"	"
—— 0837y	Anions/Alk	Ice	(2)250 " "	"	"
—— 1018y	TDS	"	(1) " "	"	"
—— 1019y	Perchlorate	"	(1)125 "	"	"
—— 1020y	NO2/NO3	Ice/H2SO4	(1)250 "	"	"

Runs - 1)	2)	3)	4)	5)
20.54	20.54	20.55	20.54	20.54
20.35	20.35	20.34	20.34	20.33
20.35	20.34	20.34	20.33	20.33
20.53	20.53	20.55	20.54	20.54

Continued from page

Read and Understood By

Signed

4-15-2025 B-330
Date

Signed

4-16-25
Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-14-2025 Page _____ of _____

Sample Location: PL-10-484

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOC	Analytical Requirement: VOC 624 LL						Charge Number
										X6MD
250414 1345 4 EB	3	A	X							
1346 4	3	1	4							
1452 EB	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:
[signature]	4-14-2025 1520			

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

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4.15.25 Page 1 of 5

Sample Location: PL-10-484

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 1,DM9,4L	Subg. SIMS	Metals	Anions / IC	TOS	Perchlorate	NO2 / NO3	Charge Number
250415 0834 4	1	A	1							XGMD
250415 0835 4	1			1						
0836 4	2			1	1					
0837 4	2					1				
1018 4	1						1			
1019 4	1							1		
1020 4	1								1	

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]	4.15.25 1110	[signature]	4-16-25 0815

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

Al Montes & Dan Halvorsen present. Weather is cloudy and cool. This zone will be sampled using 2 triple rinsed stainless steel sampling tubes. Surface checks performed on Probe # 4951 prior to sampling. Generator in use.

30 minute Equipment blanks (random GB)

Sample #	Analysis	Preserve	Container	Lot	Lab
250414 0845 y	VOA by 8260 LL	Ice/HCl	(3) 40 ml VOA	2774	ALS
—— 0846 y	NDMA LL	Ice	(1) 1L Amber	119901	SRL

Critical Parameters		Final Parameters		Meter ID	
Time	= 250414 0930 y	250414 1250 y		pH/COND	= 15
pH	= 7.95	7.81		TURB	= 7
TEMP	= 23.6°C	23.6		"DO	= 48.0
COND	= 1071 us/cm	1068		"ORP	= 483
TURB	= 2.64	2.51		"LOT	= A5022
DO	= 7.07-10.05	6.99-10.01		"EXP	= 4/25
ORP	= 7.06-10.03	6.98-10.01			
PUMP	= 12.50 psig	12.50			
FLOW	= 471.54 mL	471.62			

SAMPLES

Sample #	Analysis	Preserve	Container	Lot	Lab
250414 1015 y	VOA by 8260 LL	Ice/HCl	(3) 40 ml VOA	2774	ALS
—— 1016 y	NDMA LL	Ice	(1) 1L Amber	119901	SRL
—— 1017 y	SVOA - SIM	"	(1) 250 ml Amber	N/A	ALS
—— 1055 y	Total metals	Ice/HNO3	(2) 125 ml Poly	N/A	"
—— 1056 y	Anions/NH3	Ice	(2) 250 ml Poly	"	"
—— 1057 y	TDS	"	(1) "	"	"
—— 1058 y	Perchlorate	"	(1) 125 ml Poly	"	"
—— 1059 y	VOA/NO3	Ice/H2SO4	(2) 250 "	"	"

Runs - 1) 67.45 2) 67.45 3) 67.45 4) 67.45 5) 67.45
67.12 67.11 67.12 67.11 67.12
67.07 67.12 67.11 67.11 67.11
67.44 67.44 67.45 67.44 67.45

Continued from page

Read and Understood By

B-333

Signed 4-14-2025 Date

Per W Munds 4-15-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4-14-2025 Page _____ of _____

Sample Location: PL-10-592

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: VOA	UDMH LL	SVOC-SIM	metals	Anions IC/IC			Charge Number
										XGMD
250414 0845 EB	3	A	Y							
1015	3		Y							
0846 EB	1			Y						
1016	1			Y						
1017	1				Y					
1055	2					Y				
1056	2						Y			

Sample Location:

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: TOS	Perchlorate	NO2/NO3					Charge Number
										XGMD
250414 1057	1	A	Y							
1058	1			Y						
1059	1				Y					

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
[signature]	4.14.2025 1520		[signature]	4-15-25 / 0845

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

WSTF 381C (05/2016)

Tim Kondy & 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. Proke #4951.

30 Min. Equipment blanks - Carboy G1

Sample	Analysis	Preservative	Container	Lot	Lab
250410 0825y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0826y	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI
——— 0827y	LL NDMA	"	"	"	"

Initial Parameters
Time - 250410 0910y
PH - 7.82
Temp - 22.1°C
Cond - 1001 us/cm
Turb - 1.36 NTU's
pH pre - 7.06/10.09 (17.9°C)
pH post - 7.05/10.09
DTW - 471.45 ft.
Atmos - 12.59 psia

Final
Time - 250410 1103y
PH - 7.91
Temp - 22.9°C
Cond - 992 us/cm
Turb - 1.13 NTU's
pH pre - 7.02/10.04 (24.3°C)
pH post - 7.01/10.04
DTW - 471.54 ft.
Atmos - 12.61 psia
IDW - 1/2 gal.

Meter ID
pH/cond - 15
Turb - 7
" std - 48.0 NTU
" rdg - 49.3 NTU
" lot - 45022
" Exp - 4/30/25

Buffers	Lot	Exp
7	CC779793	6/2
10	CC783411	8/2

Samples

Sample	Analysis	Preservative	Container	Lot	Lab
250410 0945y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 0946y	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI
——— 0947y	" (Dup/)	"	"	"	"
——— 1025y	Low Level NDMA	"	"	"	"
——— 1026y	Total Metals	ice/HNO_3	(2) 125ml polys	102124-2AES	ALS
——— 1027y	Anions/Alk.	ice	(2) 250ml polys	101424-2ADD	"
——— 1100y	TDS by SM2540C	"	(1) 250ml poly	052024-2ERG	"
——— 1101y	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	"
——— 1102y	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	010825-4EKI	"

Runs	1)	2)	3)	4)
	163.72	163.70	163.68	163.64
	163.44	163.40	163.37	163.32
	163.40	163.42	163.34	163.29
	163.72	163.68	163.71	163.64

Continued from page N/A

Read and Understood By

Craig Del Ferraro 4/10/25 B-335 Peri Wunnicke 4-11-25
Signed Date Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/10/25 Page 1 of 1

Sample Location: PL-10-813

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	8260LL	607	LLNDMA					Charge Number
250410 0825y (EB)	3	A	✓							XGMD
0826y (EB)	1	A		✓						u
0827y (EB)	1	A			✓					u
0945y	3	A	✓							u
0946y	1	A		✓						u
0947y (Dupl.)	1	A		✓						u
1025y	1	A			✓					u

Sample Location: PL-10-813

Analytical Requirement

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Total Metals	Anions/Alk.	TDS	Perchlorate	NO3/NO3			Charge Number
250410 1026y	2	A	✓							XGMD
1027y	2	A		✓						u
1100y	1	A			✓					u
1101y	1	A				✓				u
1102y	1	A					✓			u

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig Del Zeno	4/10/25 / 1120hrs.			4-11-25 / 0830

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

Tim Kondy & Craig Del Ferraro present. Weather is clear & hot. This zone will be sampled using 2 triple rinsed, stainless steel sample tubes. Gen. in use. Probe # 4951.

30 Min. Equipment blanks - Carboy Gil

Sample	Analysis	Preservative	Container	Lot	Lab
250410 1310y	VOA by 8260LL	ice/HCL	40ml vials (3)	2774	ALS
——— 1311y	Low Level NDMA	ice	(1) 1L Amber	0119901J	SRI
——— 1312y	Total Metals	ice/HNO_3	(2) 125ml polys	102124-2AES	ALS

Initial Parameters	Final	Meter ID
Time - 2504101400y	Time - 2504101505y	pH/Cond - 15
PH - 8.12	PH - 8.01	Turb - 7
Temp - 23.5°c	Temp - 23.2°c	" Std - 48.0 N
Cond - 1040 us/cm	Cond - 1053 us/cm	" rdg - 49.3 NT
Turb - 1.56 NTU's	Turb - 1.30 NTU's	" lot - A502
pHpre - 6.98/10.01 (28.5°c)	pHpre - 6.95/9.98 (32.0°c)	" Exp - 4/30/2
pHpost - 6.98/9.99	pHpost - 6.96/9.98	
DTW - 471.54ft.	DTW - 471.71ft.	Buffers Lot Ex
Atmos - 12.58 psia	Atmos - 12.60 psia	7 CC779793 6/2
	IDW - 1/2 gal.	10 CC783411 8/2

Samples

Samples	Analysis	Preservative	Container	Lot	Lab
2504101425y	VOA by 8260LL	ice/HCL	(3) 40ml vials	2774	ALS
——— 1426y	607/Bromacil	ice	(1) 1L Amber	0119901J	SRI
——— 1427y	Low Level NDMA	"	"	"	"
——— 1500y	Total Metals	ice/HNO_3	(2) 125ml polys	102124-2AES	AL
——— 1501y	Anions/Alk.	ice	(2) 250ml polys	101424-2ADD	"
——— 1502y	TDS by SM2540C	"	(1) 250ml poly	052024-2ERG	"
——— 1503y	Perchlorate by 6850	"	(1) 125ml poly	110424-2ERD	"
——— 1504y	NO_2/NO_3 by 353.2	ice/H_2SO_4	(1) 250ml poly	010825-4EKI	"

Runs	1)	2)	3)
	228.03	228.05	227.98
	234.35	234.36	234.30
	234.33	234.36	234.27
	228.02	228.07	227.94

Continued from page N/A

Read and Understood By

Craig Del Ferraro 4/10/25 B-337 Date

Tom Munch 4-11-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/10/25 Page 1 of 1

Sample Location: PL-10-962

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	607	LLNDMA	Total Metals			Charge Number
Pertinent Notes (if any)									
250410 1310y (EB)	3	A	✓						XGMD
1311y (EB)	1	A			✓				"
1312y (EB)	2	A				✓			"
1425y	3	A	✓						"
1426y	1	A		✓					"
1427y	1	A			✓				"
1500y	2	A				✓			"

Sample Location: PL-10-962

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: Anions/Alk	TDS	Perchlorate	NO2/NO3			Charge Number
Pertinent Notes (if any)									
250410 1501y	2	A	✓						XGMD
1502y	1	A		✓					"
1503y	1	A			✓				"
1504y	1	A				✓			"

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Craig DelZenno	4/10/25 / 1535hrs.			4-11-25 / 0830

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

Matt Garcia & Robert Burrows Present. Weather is clear & cool. This well Purged & sampled using a Flute system. Samples collected using a teflon discharge hose. Zone Purged at least 4 times every 20min. 4 gallons of water Purged Prior to sample. Purge Pressure @ 22 8 psi. Sample Pressure @ 20 7 psi. [redacted] Bubbler set @ 3psi stable @ 7psi. First 350 mLs Prior to sampling discarded.
Carboy G2

Pre Parameters	Parameters	Meter ID
Time - 250407 1300B	250407 1318B	PH/Cond - 92
PH - 7.11	7.09	Turb - U
Temp. 22.7°C	22.9°C	" STD - 8.25
Cond - 1125 uS/cm	1119 uS/cm	" RDG - 6.29
Turb - 1.91 NTUs	1.81 NTUs	" LOT - A300
PH Pre - 6.94, 10.05 (25.8°C)	6.95, 10.05 (25.8°C)	" EXP - 4/3
PH post. " "	" "	Buffers Lot #
		7 cc779793 6/2
		10 cc783411 8/25

Samples

Sample	Analysis	Preserv	Cont	Lot	Lab
250407 1320B	8260LL	Ice/HCl	(3) 40 mL vials	2797	ALS
" 1321B	" (FB)	"	"	"	"
" 1322B	LL NDMA	Ice	(1) LL Amber	011998 IJ	SR
" 1323B	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia 4/7/25 Date

B-339

Peter Mundo Signed 4-8-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/7/25

Sample Location: ST-7-544

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA	Charge Number
250407 1320 B	3	A	X		XCMD
1321 B (FB)	3		X		
1322 B	1			X	
1323 B (FB)	1			X	

Sample Location: ST-7-779

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA	Charge Number
250407 1330 B	3	A	X		XCMD
1331 B (FB)	3		X		
1332 B	1			X	
1333 B (FB)	1			X	

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	4/7/25 1430hrs	[signature]	4-8-25 / 0900

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

Matt Garcia & Robert Burrows Present. Weather clear & cool. This well Purged & sampled using a FLute System. Sample collected using a teflon discharge hose. Zone Purged at least 4 times every 20 min. 4 gallons of water Purged Prior to sample. Purge Pressure @ 228 psi. Samp Pressure @ 207 psi. Bubbler set @ 3 psi. Stable @ 7 psi. First 350 mL's prior to sample discarded. Carboy 62

Pre Parameters	Parameters	Meter ID
Time - 250407 1301 B	250407 1329 B	PH/Cond - 92
PH - 7.75	7.79	Turb - 6
Temp - 21.6 °C	21.7 °C	" STD - 8.25
Cond - 989 uS/cm	986 uS/cm	" RDG - 6.2
Turb - 1.07 NTU's	1.21 NTU's	" Lot - A502
PHpre - 6.94, 10.05 (25.8 °C)	7.05, 10.01 (26.1 °C)	" EXP - 4/3
PHpost - " "	" "	

Buffers	Lot	Ex
7	CC7797936	
10	CC7834111	8/2

Samples

Sample	Analysis	Preserv.	cont.	Lot	Lab
250407 1330 B	8260 LL	Ice/HCl (3)	40 mL vials	2797	ALS
1331 B	" (FB)	"	"	"	"
1332 B	" NDMA	Ice	(1) L Amber	01149017	SRL
1333 B	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia Signed 4/7/25 Date

B-341

Lori Wunder Signed 4-8-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/7/25 Page 1 of 1

Sample Location: ST-7-544

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA	Charge Number
250407 1320 B		3	A	X		XCMD
1321 B (FB)		3		X		
1322 B		1			X	
1323 B (FB)		1			X	

Sample Location: ST-7-779

Sample Number	Pertinent Notes (if any)	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA	Charge Number
250407 1330 B		3	A	X		XCMD
1331 B (FB)		3		X		
1332 B		1			X	
1333 B (FB)		1			X	

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
[signature]	4/7/25 1430hrs	[signature]	4-8-25 / 0900

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

WSTF 381C (05/2016)

Matt Garcia & Robert Burrows present. Weather is clear & cool. This well purged & sampled using a Flute system. Samples collected using a teflon discharge hose. Zone purged at least 4 times every 20min. 4 gallons of water purged prior to sample. Purge Pressure @ 227 psi. Sample Pressur @ 207 psi. Bubbler set @ 3ps. Stable @ 7 psi. First 350 mL prior to sample discarded. Carboy G2

Pre Parameters		Parameters		Meter ID	
Time	250407130SB	250407133SB		PH/cond	-92
PH	8.04	7.91		Turb	-6
Temp	-23.4°C	23.3°C		STD	- 8.25
Cond	- 900 us/cm	919 us/cm		RDG	- 6.29
Turb	-1.11	1.09 NTUS		Lot	- A502Q
PH pre	- 6.94, 10.05 (25.6°C)	7.01, 10.00 (2C.1°C)		EXP	- 4/30
PH post.	" "	" "			

Buffers	Lot	Exp
7	CC779793	9/2
10	CC783411	8/2

Samples

Sample	Analysis	Preserv	Cont.	Lot	Lab
250407 1340B	8260LL	Ice/HCL	(3)40 mL vials	27[illegible]	AC
——— 1341B	" (FB)	"	"	"	"
——— 1342B	LL NDMA	Ice	(1)1L Amber	0119015	SR
——— 1343B	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia 4/7/25 B-343
Signed Date

Ron Munde 4-8-25
Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/7/25 Page 1 of 1

Sample Location: ST-7-970

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8200 LL	Analytical Requirement: LL NDMA	Charge Number
250407 1340 B	3	A	X		XGMD
1341 B (FB)	3	↓	X		↓
1342 B	1			X	
1343 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:
[signature]	4/7/25 1430hrs	[signature]	4-8-25 0900

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

WSTF 381C (05/2016)

Matt Garcia & Robert Burrows present. Weather is clear & cool. Well purged & sampled using a FLute system. Dedicated teflon discharge hose used. Zone purged 4+ times every 20 min. 4 gallons min purged. # First 350 mL's discarded prior to samples
Carboy G2

Purge Pressure -22 psi
Sample " -20 psi
Bubbler " -3.5/7

Pre Parameters	Parameters	Meter ID
Time 250410095OB	250410103 9B	PH/Cond - 92
PH 7.80	7.25	Turb - C0
Temp 21.4°C	21.9°C	STD - 8.25
cond .10650S/cm	10690S/cm	RDG - 5.16
Turb 0.47 NTUs	0.35 NTUs	Lot - A5022
PHpre 7.00, 10.05 (21.3°C)	7.02, 10.07 (21.6°C)	EXP - 4/30
PHpost " "	" "	

Samples

Sample	Analysis	Preserv.	Cont.	Lot	Lab
250410104OB	8260LL	Ice/HCl	(3)40 mL vials	2797	AL
1041B	" (FB)	"	"	"	"
1042B	LL VOA	Ice	(1) 1L Amber	011901J	STL
1043B	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia — Signed — 4/10/25 — Date

B-345

Ron Munde — Signed — 4-11-25 — Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/16/25 Page 1 of 1

Sample Location: WW-5-459

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA	Charge Number
250410104OB	3	A	X		XGMD
1041B (FB)	3	↓	X		↓
1042B	1			X	
1043B (FB)	1	↓		X	↓

Sample Location: WW-5-579

Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260 LL	Analytical Requirement: LL NDMA	Charge Number
250410105 2B	3	A	X		XGMD
1053B (FB)	3	↓	X		↓
1054B	1			X	
1055B (FB)	1	↓		X	↓

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Matt Shaw	4/10/25 1115hrs	Jen Wynd	4-11-25 / 0830

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

WSTF 381C (05/2016)

Matt Garcia & Robert Burrows present. Weather is clear & cool. Well Purged & sampled using a FLute system. Dedicated teflon discharge hose used. Zone Purged 4+ times every 20 min. 4 gallons min. Purged. # First 350 mls Discarded Prior to samples.

carboy 62

Sample Pressure - 20.3 psi
Purge Pressure - 22.4 psi
Bubbler Pressure - 3.5/7

Pre-Parameters	Parameters
Time - 2504101000B	2504101051B
PH - 8.40	7.82
Temp - 20.6°C	22.6°C
Cond - 1004 us/cm	1030 us/cm
Turb - 1.41 NTU's	0.80 NTU's
PH Pre - 7.01, 10.05 (21.3)	7.05, 9.99 (22.8)
PH Post - " "	7.05, 10.04

Meter ID
PH/Cond - 98
Turb - 66
STD - 8.25
RDG - 8.16
Lot - A5022
EXP - 4/30

Samples

Sample	Analysis	Preserv	Cont.	Lot	Lab
2504101052B	8260LL	Ice/HCL	(3) 40mL vials	2797	ALS
1053B	" (FB)	"	"	"	"
1054B	LL NDMA	Ice	(1) 1L Amber	01199101J	STL
1055B	" (FB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia 4/10/25 B-347 Date

Signed

4-11-25 Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/16/25 Page 1 of 1

Sample Location: WW-5-459

Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NDMA						Charge Number
Pertinent Notes (if any)			Analytical Requirement							
250410104OB	3	A	X							XGMD
1041B (FB)	3	↓	X							↓
1042B	1			X						
1043B (FB)	1	↓		X						↓

Sample Location: WW-5-579

Sample Number	# of Containers	Sample Matrix*	8260 LL	LL NDMA						Charge Number
Pertinent Notes (if any)			Analytical Requirement							
250410105 2B	3	A	X							XGMD
1053B (FB)	3	↓	X							↓
1054B	1			X						
1055B (FB)	1	↓		X						↓

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt [illegible]	4/10/25 1115hrs		[illegible]	4-11-25 / 0830

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

PROJECT WW-5-809 WSI ENV-0110

Notebook No. D32 #137 (B)

Continued from page NA

Matt Garcia & Robert Burrows present. Weather is clear & cool. Well purged & sampled using a FLute system. Dedicated teflon hose used. Zone Purged 4+ times every 20min with 4gal. of water purged. *First 350mls Discarded Prior to samples. [Carboy 62]

Purge Pressure - 22#
Sample Pressure - 20#
Bubbler Pressure - 3.5/7

Pre-Parameters	Parameters	Meter ID
Time - 250411110 59 B	250411113 3B	PH/cond - 92
PH - 7.65	7.87	Turb - LL
Temp - 22.5°C	22.9°C	STD - 8.25
Cond - 977 us/cm	960 us/cm	RDG - 5.61
Turb - 0.92 NTU's (29.1°C)	0.86 NTU's	LOT - A5022
PHPre - 7.05, 10.05	6.95, 10.03 (30.1°C)	EXP - 4/30
PHPost - " 10.04	" "	

Samples

Samples	Analysis	Preserv	Cont.	Lot	Lab
250411113 5B	8260 LL	Ice/HCl	(3) 40 mL vials	2797	ALS
1136B	" (FB)	"	"	"	"
1137B	LL NDMA	Ice	(1) 1L Amber	01199015	SRL
~~1138B~~ 1138B	"	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia 4/11/25 Signed Date

B-349

Jon Munck 4-14-25 Signed Date

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/11/25 Page 1 of 1

Sample Location: WW-5-809

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260LL	LLNDMA						Charge Number
250411135B	3	A	X							X GMD
1136B	3	↓	X							↓
1137B	1			X						
1138B	1	↓		X						

Sample Location: WW-5-909

Pertinent Notes (if any)

Sample Number	# of Containers	Sample Matrix*	8260LL	LLNDMA						Charge Number
250411200B	3	A	X							X GMD
1201B	3	↓	X							↓
1202B	1			X						
1203B	1	↓		X						

Relinquished by:	Date / Time:		Accepted by:	Date / Time:
Matt Starr	4/11/25 1300hrs		[signature]	4-14-25 / 0800

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

Matt Garcia & Robert Burrows present. Weather is clear & cool. well sampled & purged using a FLute system. Dedicated teflon discharge hose used. Zone purged 4x timer every 20 min with 4 gal. of water purged from this zone. #First 550mls discarded Prior to samples! Carboy 62

Purge Pressure -22
Sample Pressure -20
Bubbler Pressure -3.5/-

Pre-Parameters	Parameters	Meter ID
Time 250411 1050B	250411 1158B	PH/cond - 92
PH 8.08	8.18	Turb - 6
Temp 24.2°C	24.4°C	STD - 8.25
Cond 1223 us/cm	1271 us/cm	RDG - 5.61
Turb 1.25 NTU's	0.41 NTU's	Lot - A5022
PHpre 7.06, 10.02 (22.8°C)	7.01, 10.01 (20.8°C)	EXP - 4/30
PHpost - " "	" "	

Samples

Samples	Analysis	Preserv.	Lot	Cont.	Lab
250411 1200B	8260 LL	Ice/HCL	2797	(3) 40 mL Vials	AC
—— 1201B	" (FB)	"	"	"	"
—— 1202B	LL NDMA	Ice	011990 IJ (1)	L Amber	SRL
—— 1203B	" (EB)	"	"	"	"

Continued from page

Read and Understood By

Matt Garcia 4/11/25 B-351 Robert Burrows 4/14-25

WSTF INTERNAL SAMPLE CHAIN OF CUSTODY RECORD

Date: 4/11/25 Page 1 of 1

Sample Location: WW-5-809

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	Analytical Requirement: LLNDMA						Charge Number
250411135B	3	A	X							X GMD
1136B	3	↓	X							↓
1137B	1			X						
1138B	1	↓		X						↓

Sample Location: WW-5-909

Pertinent Notes (if any) / Sample Number	# of Containers	Sample Matrix*	Analytical Requirement: 8260LL	Analytical Requirement: LLNDMA						Charge Number
250411200B	3	A	X							X GMD
1201B	3	↓	X							↓
1202B	1			X						
1203B	1	↓		X						↓

Relinquished by:	Date / Time:	Accepted by:	Date / Time:
Matt Stone	4/11/25 1300hrs	[signature]	4-14-25 0900

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

WSTF 381C (05/2016)

Appendix C
Chemical Analytical Program
(Internal QA reports)

National Aeronautics and Space Administration



Quality Assurance Report for White Sands Test Facility Groundwater Monitoring Data

February 2025

NM8800019434

Report Submitted: July 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 February 2025.
- The quantity and type of quality control samples collected or prepared in February 2025.
- Quality control sample percentages in annual period immediately preceding and during February 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

ST-2-466 sample (2502111043A) may have been switched with ST-4-589 blind control sample (2502121430A). Historical values (predominately non-detect or <1.0 ng/L) do not support the high detection (11.71 ng/L) for ST-2-466 during this reporting period. The blind control sample for ST-4-589 was confirmed as being spiked at 10 ng/L and was expected to see a detection however the result was non-detect (<0.34 ng/L). Both samples were packaged in the same sample shipment. There is no other evidence to validate the occurrence of a switch. The affected low level NDMA results for both samples are qualified as unusable.

There were no other notable anomalies in the groundwater data associated with the February 2025 QAR.

3.0 Data Tables

Table 1 summarizes the groundwater sample events initiated in February 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 February 2025

Well ID	Event Date
100-C-365	02/18/25
100-C-365	02/26/25
100-D-176	02/25/25
200-B-240	02/26/25
200-C-170	02/11/25
200-C-225	02/10/25
200-C-270	02/10/25
200-D-240	02/26/25
200-F-225	02/12/25
200-F-225	02/24/25
200-F-370	02/11/25
200-F-420	02/12/25
200-G-175	02/24/25
200-H-225	02/24/25
300-A-170	02/18/25
300-B-166	02/05/25
300-E-138	02/14/25
300-E-183	02/14/25
400-001-GW	02/19/25
400-EV-131	02/19/25
400-GV-125	02/19/25

Well ID	Event Date
400-JV-150	02/20/25
600-E-280	02/13/25
600-G-138	02/25/25
700-H-350	02/25/25
B650-EFF-1	02/19/25
B650-INF-1	02/19/25
B655-EFF-2	02/19/25
B655-INF-2	02/19/25
BLM-14-327	02/25/25
BLM-21-400	02/18/25
BLM-23-431	02/11/25
BLM-3-182	02/25/25
BLM-32-543	02/06/25
BLM-32-571	02/06/25
BLM-32-632	02/06/25
BLM-6-488	02/24/25
BW-4-330	02/20/25
MPE-1	02/11/25
MPE-10	02/11/25
MPE-11	02/11/25
MPE-9	02/11/25

Well ID	Event Date
NASA 3	02/14/25
PL-12-570	02/13/25
PL-12-800	02/13/25
PL-6-545	02/03/25
PL-7-560	02/06/25
PL-7-630	02/05/25
ST-1-541	02/24/25
ST-2-466	02/11/25
ST-4-589	02/12/25
ST-4-690	02/12/25
ST-5-481	02/14/25
ST-5-485	02/05/25
ST-5-655	02/04/25
WB-1-330	02/25/25
WELL K	02/03/25
WELL M	02/03/25
WW-1-452	02/24/25
WW-4-589	02/10/25
WW-4-848	02/10/25
WW-4-948	02/10/25

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	**30**	0	0	0	**1**	**2**	0
Perchlorate by SW-846 Method 6850	**8**	0	0	0	0	0	0
Organics by SW-846 Method 8015M	**4**	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**30**	**21**	**9**	**4**	**1**	**5**	**1**
Low Level Volatile Organics by SW-846 Method 8260C	**18**	**13**	**5**	**3**	0	0	0
Semi-Volatile Organics by SW-846 Method 8270D	**11**	0	0	0	0	0	0
Anions by Various EPA Methods	**8**	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**22**	**1**	**1**	0	**1**	**2**	**2**
Nitrosamines by Low-Level Method	**22**	**17**	**5**	**7**	**1**	**2**	**2**
Total Dissolved Solids by Standard Method 2540C	**8**	0	0	0	0	0	0

Table 3 – Quality Control Sample Percentages

Quality Control Requirement	Requirement %	Samp. Qty. since Feb 2024	QC Qty. Feb 2024	QC % since Feb 2024	Sample Quantity Feb 2025	QC Quantity Feb 2025	QC % Feb 2025
VOA Duplicates	**10**	619	74	**11.95**	45	4	**8.89**
VOA Matrix Spikes	**2**	619	13	**2.10**	45	1	**2.22**
607 Duplicates	**10**	362	40	**11.05**	29	2	**6.90**

Quality Control Requirement	Requirement %	Samp. Qty. since Feb 2024	QC Qty. Feb 2024	QC % since Feb 2024	Sample Quantity Feb 2025	QC Quantity Feb 2025	QC % Feb 2025
607 Matrix Spikes	**2**	362	9	**2.49**	29	0	**0.00**
607 Equipment Blanks	**2**	362	8	**2.21**	29	0	**0.00**
607 Field Blanks	**2**	362	13	**3.59**	29	0	**0.00**
NDMA_LL Duplicates	**10**	359	40	**11.14**	20	2	**10.00**
NDMA_LL Matrix Spikes	**2**	359	13	**3.62**	20	2	**10.00**
Metals Duplicates	**10**	261	30	**11.49**	21	2	**9.52**
Metals Matrix Spikes	**2**	261	5	**1.92**	21	1	**4.76**
Metals Equipment Blanks	**5**	261	12	**4.60**	21	1	**4.76**
Metals Field Blanks	**5**	261	19	**7.28**	21	1	**4.76**

Quality Control Requirement	Requirement %	Sample Events since Feb 2024	QC Qty. since Feb 2024	QC % since Feb 2024	Sample Events Feb 2025	QC Quantity Feb 2025	QC % Feb 2025
VOA Equipment Blanks and Field Blanks	*Should approach 100%*	612	609	**99.51%**	45	45	**100%**
Low Level Nitrosamine Equipment Blanks and Field Blanks	*Should approach 100%*	354	354	**100%**	20	20	**100%**

Quality Control Requirement	Requirement %	Shipments since Feb 2024	TB Qty. since Feb 2024	TB % since Feb 2024	Shipments in Feb 2025	TB Quantity Feb 2025	QC % Feb 2025
VOA Trip Blank (per shipment)	*Should approach 100%*	107	107	**100%**	7	7	100%
Low Level Nitrosamine Trip Blank (per shipment)	*Should approach 100%*	91	91	**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.

Qualifier	Definition
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	**96**	**0**	**0**	**0**	**1**	**0**	**0**	**0**
Perchlorate by SW-846 Method 6850	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Organics by SW-846 Method 8015M	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Volatile Organics by SW-846 Method 8260C	**2286**	**0**	**1**	**0**	**0**	**0**	**3**	**0**
Low Level Volatile Organics by SW-846 Method 8260C	**1170**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Semi-Volatile Organics by SW-846 Method 8270D	**839**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Anions by Various EPA Methods	**32**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total Metals by Various SW-846 Methods	**648**	**0**	**3**	**0**	**0**	**4**	**5**	**0**
Nitrosamines by Low-Level Method	**48**	**8**	**4**	**5**	**2**	**0**	**0**	**2**
Total Dissolved Solids by Standard Method 2540C	**8**	**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
Total Dissolved Solids by Standard Method 2540C	**8**	0	0	0	0	0	0	0	0	0	0
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	**96**	0	0	0	0	0	0	0	0	**4**	0
Perchlorate by SW-846 Method 6850	**8**	0	**1**	0	0	0	0	0	0	0	0
Organics by SW-846 Method 8015M	**4**	0	0	0	0	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**2286**	0	0	0	**1**	0	0	**11**	0	**35**	0
Low Level Volatile Organics by SW-846 Method 8260C	**1170**	0	0	0	0	0	0	0	0	**1**	0
Semi-Volatile Organics by SW-846 Method 8270D	**839**	0	0	0	0	0	0	0	0	**1**	0
Anions by Various EPA Methods	**32**	0	0	0	0	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**648**	0	0	0	0	0	0	0	0	**144**	0
Nitrosamines by Low-Level Method	**48**	0	**13**	0	0	**19**	0	0	0	0	**14**

Table 7 – Quality Assurance Narratives

Well ID	Event Date	SW-846 Method 8260 QA Narratives
PL-6-545	**2/3/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2502030925Y) at 14.0 ug/L.**
PL-6-545	**2/3/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the trip blank (2502030805Y) at 15.0 ug/L.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
PL-6-545	**2/3/2025**	**For Low Level SW-846 Method 8260C, for samples 2502030805Y, 2502030925Y, and 2502031044Y one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-6-545	2/3/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for CFC 123 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 K	**2/3/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502031331) at 15.0 ug/L.**
WELL K	2/3/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for CFC 123 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 K	**2/3/2025**	**For Low Level SW-846 Method 8260C, for samples 2502031330 and 2502031331 one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WELL M	**2/3/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502031311) at 16.0 ug/L.**
WELL M	2/3/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for CFC 123 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 M	**2/3/2025**	**For Low Level SW-846 Method 8260C, for samples 2502031310 and 2502031311 one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
ST-5-655	**2/4/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2502040840Y) at 14.0 ug/L.**
ST-5-655	2/4/2025	For Low Level SW-846 Method 8260C, the upper control limit was exceeded for CFC 123 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-5-655	**2/4/2025**	**For Low Level SW-846 Method 8260C, for samples 2502040840Y and 2502040954Y one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
300-B-166	**2/5/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502051411C) at 13.0 ug/L.**
300-B-166	2/5/2025	For SW-846 Method 8260C, the upper control limit was exceeded for multiple 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-B-166	**2/5/2025**	**For SW-846 Method 8260C, for samples 2502051410C and 2502051411C one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
300-B-166	2/5/2025	For SW-846 Method 8260C, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analytes. 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 the analytes were within acceptable limits in the Laboratory Control Sample Duplicate (LCSD) The analytes affected are flagged in the LCS Summary.
PL-7-630	2/5/2025	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

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		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-7-630	2/5/2025	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 analytes. 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 the analytes were within acceptable limits in the Laboratory Control Sample Duplicate (LCSD) The analytes affected are flagged in the LCS Summary.
PL-7-630	**2/5/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the trip blank (2502051315Y) at 14.0 ug/L.**
PL-7-630	**2/5/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2502051420Y) at 14.0 ug/L.**
PL-7-630	**2/5/2025**	**For Low Level SW-846 Method 8260C, for samples 2502051315Y, 2502051420Y, and 2502060900Y one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-7-630	2/5/2025	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-5-485	**2/5/2025**	**For Low Level SW-846 Method 8260C, for samples 2502041400Y and 2502050855Y one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
ST-5-485	**2/5/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2502041400Y) at 15.0 ug/L.**
ST-5-485	2/5/2025	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.
BLM-32-543	2/6/2025	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-32-543	2/6/2025	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-32-543	**2/6/2025**	**For SW-846 Method 8260C, for samples 2502060715B, 2502061149B, and 2502061150B one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-32-543	**2/6/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502061150B) at 13.0 ug/L.**
BLM-32-543	**2/6/2025**	**For SW-846 Method 8260C, Unknown was detected in the trip blank (2502060715B) at 14.0 ug/L.**
BLM-32-571	**2/6/2025**	**For SW-846 Method 8260C, for samples 2502061209B and 2502061210B one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-32-571	**2/6/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502061210B) at 14.0 ug/L.**
BLM-32-571	2/6/2025	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

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		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-32-571	2/6/2025	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-32-632	**2/6/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502061236B) at 14.0 ug/L.**
BLM-32-632	2/6/2025	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-32-632	**2/6/2025**	**For SW-846 Method 8260C, for samples 2502061235B and 2502061236B one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-32-632	2/6/2025	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.
PL-7-560	**2/6/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2502061250Y) at 13.0 ug/L.**
PL-7-560	**2/6/2025**	**For Low Level SW-846 Method 8260C, for samples 2502061250Y and 2502061350Y one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-7-560	2/6/2025	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.
200-C-225	**2/10/2025**	**For SW-846 Method 8260C, Unknown was detected in the equipment blank (2502101250Y) at 15.0 ug/L.**
200-C-225	2/10/2025	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.
200-C-225	2/10/2025	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.
200-C-225	**2/10/2025**	**For SW-846 Method 8260C, for equipment blank sample 2502100850Y, carbon dioxide (14 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-C-225	**2/10/2025**	**For SW-846 Method 8260C, for sample 2502100940Y. one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-C-225	2/10/2025	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.
200-C-225	2/10/2025	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

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		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.
200-C-270	**2/10/2025**	**For SW-846 Method 8260C, Carbon Dioxide was detected in the equipment blank (2502100850Y) at 14.0 ug/L.**
200-C-270	**2/10/2025**	**For SW-846 Method 8260C, for sample 2502100940Y, one unknown (42 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-C-270	2/10/2025	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.
200-C-270	**2/10/2025**	**For SW-846 Method 8260C, for equipment blank sample 2502100850Y, carbon dioxide (14 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-C-270	2/10/2025	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.
WW-4-589	2/10/2025	For Low Level SW-846 Method 8260C, sample 2502101310B is incorrectly reported as sample "25101310B" 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.
WW-4-589	2/10/2025	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	2/10/2025	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-4-589	**2/10/2025**	**For Low Level SW-846 Method 8260C, for method blank RQ2501793-04, one unknown (12 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-4-589	**2/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502101153B) at 13.0 ug/L.**
WW-4-589	**2/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the trip blank (2502100715B) at 12.0 ug/L.**
WW-4-589	**2/10/2025**	**For Low Level SW-846 Method 8260C, for samples 2502100715B, 2502101152B, and 2502101153B. one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-4-848	**2/10/2025**	**For Low Level SW-846 Method 8260C, for samples 2502101213B and 2502101214B. one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-4-848	2/10/2025	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	2/10/2025	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
WW-4-848	**2/10/2025**	**For Low Level SW-846 Method 8260C, for method blank RQ2501793-04, one unknown (12 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-4-848	**2/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502101214B) at 14.0 ug/L.**
WW-4-948	**2/10/2025**	**For Low Level SW-846 Method 8260C, for samples 2502101236B and 2502101237B. one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-4-948	**2/10/2025**	**For Low Level SW-846 Method 8260C, analyte Toluene (0.29 ug/L) result in sample 2502101234B was estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-4-948	**2/10/2025**	**For Low Level SW-846 Method 8260C, for method blank RQ2501793-04, one unknown (12 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-4-948	2/10/2025	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	2/10/2025	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	**2/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502101235B) at 13.0 ug/L.**
200-C-170	**2/11/2025**	**For SW-846 Method 8260C, Sulfur Dioxide was detected in the equipment blank (2502110850Y) at 14.0 ug/L.**
200-C-170	2/11/2025	For SW-846 Method 8260C, the lower control limit (78-123%, 69-126%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for 1,1,2,2-Tetrachloroethane (76%) and Propionitrile (68%). 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. The analytes affected are flagged in the LCS Summary.
200-C-170	2/11/2025	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. Bromomethane & trans-1,2-dichloro-2-butene > 40%. >20% compounds fail due to cold room temperature.
200-C-170	2/11/2025	For SW-846 Method 8260C, the upper control limit (75-118%) was exceeded for 1,2,3-Trichloropropane (119%) 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.
200-C-170	**2/11/2025**	**For SW-846 Method 8260C, for sample 2502110945Y, Cyclotetrasiloxane, octamethyl- (26 ug/L) and four unknown analytes were tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-C-170	**2/11/2025**	**For SW-846 Method 8260C, for equipment blank sample 2502110850Y, Sulfur Dioxide (14 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-C-170	2/11/2025	For SW-846 Method 8260D, Cyclotetrasiloxane (7.6 ug/L) was tentatively identified by a GC/MS library search in the method blank for analytical batch RQ2502075-03. Since there were no detections of the analyte in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
200-F-370	2/11/2025	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

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. Bromomethane & trans-1,2-dichloro-2-butene > 40%. >20% compounds fail due to cold room temperature.
200-F-370	2/11/2025	For SW-846 Method 8260C, the lower control limit (78-123%, 69-126%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for 1,1,2,2-Tetrachloroethane (76%) and Propionitrile (68%). 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. The analytes affected are flagged in the LCS Summary.
200-F-370	**2/11/2025**	**For SW-846 Method 8260C, for sample 2502111415Y, Silane, fluorotrimethyl- (8.4 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-F-370	**2/11/2025**	**For SW-846 Method 8260C, for equipment blank sample 2502111325Y, Sulfur Dioxide (14 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-F-370	**2/11/2025**	**For SW-846 Method 8260C, for sample 2502111415Y, Acrylonitrile (1.5 ug/L), Trichloroethene (0.94 ug/L)), and Styrene (0.26 ug/L) were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
200-F-370	**2/11/2025**	**For SW-846 Method 8260C, Sulfur Dioxide was detected in the equipment blank (2502111325Y) at 12.0 ug/L.**
BLM-23-431	2/11/2025	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. Bromomethane & trans-1,2-dichloro-2-butene > 40%. >20% compounds fail due to cold room temperature.
BLM-23-431	2/11/2025	For SW-846 Method 8260C, the lower control limit (78-123%, 69-126%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for 1,1,2,2-Tetrachloroethane (76%) and Propionitrile (68%). 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. The analytes affected are flagged in the LCS Summary.
BLM-23-431	**2/11/2025**	**For SW-846 Method 8260C, for equipment blank sample 2502111400A, Sulfur Dioxide (10 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-23-431	**2/11/2025**	**For SW-846 Method 8260C, for field blank sample 2502111401A, Sulfur Dioxide (9.5 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-23-431	**2/11/2025**	**For SW-846 Method 8260C, Sulfur Dioxide was detected in the field blank (2502111401A) at 9.5 ug/L.**
MPE-1	**2/11/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (410 ug/L, 390 ug/L) in samples 2502110821 and 2502110822 are the result of a 2.5-fold dilution.**
MPE-1	**2/11/2025**	**For SW-846 Method 8260C, for sample 2502110821, cis-1,2-Dichloroethene (0.23 ug/L) was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
MPE-1	**2/11/2025**	**For SW-846 Method 8260C, for samples 2502110821 and 2502110822, one unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
MPE-1	2/11/2025	For SW-846 Method 8260C, the lower control limit (78%-123%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for 1,1,2,2-Tetrachloroethane (76%). 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. The analytes affected are flagged in the LCS Summary.
MPE-1	2/11/2025	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

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.
MPE-1	2/11/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2502110821 and 2502110822 were within control limits or below the calculable range.
MPE-1	2/11/2025	For SW-846 Method 8260C, there were no detections in the field blank.
MPE-1	2/11/2025	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.
MPE-10	**2/11/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (220 ug/L) in sample 2502110901 is the result of a 2.5-fold dilution.**
MPE-10	2/11/2025	For SW-846 Method 8260C, the lower control limit (78-123%, 69-126%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for 1,1,2,2-Tetrachloroethane (76%) and Propionitrile (68%). 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. The analytes affected are flagged in the LCS Summary.
MPE-10	2/11/2025	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. > 20% fail due to cold room temperature.
MPE-10	2/11/2025	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. Bromomethane & trans-1,2-dichloro-2-butene > 40%. >20% compounds fail due to cold room temperature.
MPE-10	2/11/2025	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.
MPE-10	2/11/2025	For SW-846 Method 8260C, the lower control limit (78%-123%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for 1,1,2,2-Tetrachloroethane (76%). 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. The analytes affected are flagged in the LCS Summary.
MPE-10	2/11/2025	For SW-846 Method 8260C, there were no detections in the field blank.
MPE-11	**2/11/2025**	**For SW-846 Method 8260C, for field blank sample 2502110927, one unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
MPE-11	**2/11/2025**	**For SW-846 Method 8260C, for sample 2502110926, CFC 21 (0.9 ug/L), CFC 123a (0.66 ug/L), PCE (0.44 ug/L) was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
MPE-11	**2/11/2025**	**For SW-846 Method 8260C, for sample 2502110926, Sulfur Dioxide (15 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
MPE-11	2/11/2025	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. Bromomethane & trans-1,2-dichloro-2-butene > 40%. >20% compounds fail due to cold room temperature.
MPE-11	2/11/2025	For SW-846 Method 8260C, the lower control limit (78-123%, 69-126%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for 1,1,2,2-Tetrachloroethane

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		(76%) and Propionitrile (68%). 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. The analytes affected are flagged in the LCS Summary.
MPE-11	**2/11/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502110927) at 13.0 ug/L.**
MPE-9	**2/11/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (420 ug/L) in sample 2502110841 is the result of a 5-fold dilution.**
MPE-9	**2/11/2025**	**For SW-846 Method 8260C, for sample 2502110926, CFC 11 (210 ug/L) concentration has exceeded the calibration range for that specific analysis. The result is an estimated value greater than the upper calibration limit.**
MPE-9	2/11/2025	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. > 20% fail due to cold room temperature.
MPE-9	2/11/2025	For SW-846 Method 8260C, the lower control limit (78%-123%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for 1,1,2,2-Tetrachloroethane (76%). 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. The analytes affected are flagged in the LCS Summary.
MPE-9	2/11/2025	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. Bromomethane & trans-1,2-dichloro-2-butene > 40%. >20% compounds fail due to cold room temperature.
MPE-9	2/11/2025	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.
MPE-9	2/11/2025	For SW-846 Method 8260C, the lower control limit (78-123%, 69-126%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for 1,1,2,2-Tetrachloroethane (76%) and Propionitrile (68%). 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. The analytes affected are flagged in the LCS Summary.
MPE-9	2/11/2025	For SW-846 Method 8260C, there were no detections in the field blank.
ST-2-466	**2/11/2025**	**For Low Level SW-846 Method 8260C, for samples 2502111040A and 2502111041A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
ST-2-466	**2/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502111041A) at 13.0 ug/L.**
ST-2-466	2/11/2025	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-2-466	**2/11/2025**	**For Low Level SW-846 Method 8260C, for method blank RQ2501793-04, one unknown (12 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
ST-2-466	2/11/2025	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.

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200-F-225	2/12/2025	For SW-846 Method 8260D, Cyclotetrasiloxane (7.6 ug/L) was tentatively identified by a GC/MS library search in the method blank for analytical batch RQ2502075-03. Since there were no detections of the analyte in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
200-F-225	2/12/2025	For SW-846 Method 8260C, the upper control limit (75-118%) was exceeded for 1,2,3-Trichloropropane (119%) 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.
200-F-225	2/12/2025	For SW-846 Method 8260C, the lower control limit (78-123%, 69-126%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for 1,1,2,2-Tetrachloroethane (76%) and Propionitrile (68%). 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. The analytes affected are flagged in the LCS Summary.
200-F-225	2/12/2025	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. Bromomethane & trans-1,2-dichloro-2-butene > 40%. >20% compounds fail due to cold room temperature.
200-F-225	**2/12/2025**	**For SW-846 Method 8260C, for sample 2502121425Y, two unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-F-225	**2/12/2025**	**For SW-846 Method 8260C, for sample 2502121425Y, Acrylonitrile (0.96 ug/L), Benzene (0.8 ug/L), PCE (0.33 ug/L), Styrene (0.26 ug/L) was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
200-F-225	2/12/2025	For SW-846 Method 8260C, there were no detections in the equipment blank.
200-F-420	2/12/2025	For SW-846 Method 8260C, the upper control limit (75-118%) was exceeded for 1,2,3-Trichloropropane (119%) 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.
200-F-420	2/12/2025	For SW-846 Method 8260D, Cyclotetrasiloxane (7.6 ug/L) was tentatively identified by a GC/MS library search in the method blank for analytical batch RQ2502075-03. Since there were no detections of the analyte in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.
200-F-420	**2/12/2025**	**For SW-846 Method 8260C, for sample 2502121000Y, Silane, fluorotrimethyl- (12 ug/L) and three unknown analytes were tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-F-420	**2/12/2025**	**For SW-846 Method 8260C, for sample 2502120845Y, Cyclotrisiloxane, hexamethyl- (7.3 ug/L) and three unknown analytes were tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-F-420	**2/12/2025**	**For EPA method 8260, matrix spike and mtrix spike duplicate recoveries for sample 2502121001Y for multiple analytes were outside control limits. Acrylonitrile (63%), 2-Butanone (57%), and Tetrahydrofuran (42%) were outside control limits (69-137%, 61-137%, and 48-141%)). Affected data qualified accordingly.**
200-F-420	**2/12/2025**	**For SW-846 Method 8260C, Unknown was detected in the equipment blank (2502120845Y) at 10.0 ug/L. Unknown was detected in the equipment blank (2502120845Y) at 7.0 ug/L. Unknown was detected in the equipment blank (2502120845Y) at 5.4 ug/L. Cyclotrisiloxane, hexamethyl- was detected in the equipment blank (2502120845Y) at 7.3 ug/L.**

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ST-4-589	**2/12/2025**	**For Low Level SW-846 Method 8260C, for samples 2502121415A and 2502121416A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
ST-4-589	**2/12/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502121416A) at 15.0 ug/L.**
ST-4-589	2/12/2025	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.
ST-4-589	2/12/2025	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.
ST-4-589	**2/12/2025**	**For Low Level SW-846 Method 8260C, for method blank RQ2501793-04, one unknown (12 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
ST-4-690	**2/12/2025**	**For Low Level SW-846 Method 8260C, for samples 2502121020A and 2502121021A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
ST-4-690	**2/12/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502121021A) at 14.0 ug/L.**
ST-4-690	2/12/2025	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.
ST-4-690	2/12/2025	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.
ST-4-690	**2/12/2025**	**For Low Level SW-846 Method 8260C, for method blank RQ2501793-04, one unknown (12 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
600-E-280	2/13/2025	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-E-280	2/13/2025	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-E-280	2/13/2025	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-E-280	**2/13/2025**	**For SW-846 Method 8260C, Report has been revised, a method blank was missing.**
600-E-280	**2/13/2025**	**For SW-846 Method 8260C, for samples 2502131040Y and 2502131340Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
600-E-280	**2/13/2025**	**For SW-846 Method 8260C, for sample 2502131040Y, TCE (0.29 ug/L) was 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
600-E-280	**2/13/2025**	**For SW-846 Method 8260C, for samples 2502131040Y, 2502131340Y, and 2502131450Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
600-E-280	**2/13/2025**	**For SW-846 Method 8260C, Unknown was detected in the equipment blank (2502131040Y) at 20.0 ug/L.**
600-E-280	2/13/2025	For SW-846 Method 8260C in blind control sample (2502131450Y), all recoveries were within standard limits (75-125%).
PL-12-570	2/13/2025	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-12-570	2/13/2025	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	2/13/2025	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	**2/13/2025**	**For SW-846 Method 8260C, Report has been revised, a method blank was missing.**
PL-12-570	**2/13/2025**	**For SW-846 Method 8260C, for samples 2502131401A, 2502131402A, and 2502131403A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-12-570	**2/13/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502131402A) at 20.0 ug/L.**
PL-12-570	2/13/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2502131401A and 2502131403A were within control limits or below the calculable range.
PL-12-800	2/13/2025	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	2/13/2025	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	2/13/2025	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-12-800	**2/13/2025**	**For SW-846 Method 8260C, Report has been revised, a method blank was missing.**
PL-12-800	**2/13/2025**	**For SW-846 Method 8260C, for samples 2502130730A, 2502130945A, and 2502130946A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-12-800	**2/13/2025**	**For SW-846 Method 8260C, Unknown was detected in the trip blank (2502130730A) at 17.0 ug/L.**
PL-12-800	**2/13/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502130946A) at 18.0 ug/L.**
300-E-138	**2/14/2025**	**For SW-846 Method 8260C, for sample 2502141011Y, 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.89 ug/L) were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
300-E-138	2/14/2025	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-E-138	2/14/2025	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.
300-E-138	2/14/2025	For 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.
300-E-138	**2/14/2025**	**For SW-846 Method 8260C, Report has been revised, a method blank was missing.**
300-E-138	**2/14/2025**	**For SW-846 Method 8260C, for samples 2502140915Y, 2502141010Y, and 2502141011Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
300-E-138	**2/14/2025**	**For SW-846 Method 8260C, Unknown was detected in the equipment blank (2502140915Y) at 20.0 ug/L.**
300-E-138	2/14/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2502141010Y and 2502141011Y were within control limits or below the calculable range.
300-E-183	**2/14/2025**	**For SW-846 Method 8260C, for sample 2502141330Y, TCE (0.96 ug/L) and 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.91 ug/L) were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-E-183	2/14/2025	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-E-183	**2/14/2025**	**For SW-846 Method 8260C, Report has been revised, a method blank was missing.**
300-E-183	2/14/2025	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-E-183	**2/14/2025**	**For SW-846 Method 8260C, for samples 2502141250Y and 2502141330Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
300-E-183	2/14/2025	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-E-183	**2/14/2025**	**For SW-846 Method 8260C, Trichlorofluoromethane (CFC 11) was detected in the equipment blank (2502141250Y) at 1.8 ug/L. Unknown was detected in the equipment blank (2502141250Y) at 24.0 ug/L.**
NASA 3	**2/14/2025**	**For Low Level SW-846 Method 8260C, for samples 2502141245A and 2502141246A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
NASA 3	**2/14/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502141246A) at 18.0 ug/L.**
NASA 3	2/14/2025	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

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.
NASA 3	2/14/2025	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.
NASA 3	2/14/2025	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.
ST-5-481	**2/14/2025**	**For Low Level SW-846 Method 8260C, for samples 2502141035A and 2502141036A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
ST-5-481	**2/14/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502141036A) at 17.0 ug/L.**
ST-5-481	2/14/2025	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.
ST-5-481	2/14/2025	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.
ST-5-481	2/14/2025	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.
100-A-182	2/18/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2502180905A and 2502180906A were within control limits or below the calculable range.
100-A-182	**2/18/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502180907A) at 18.0 ug/L.**
100-A-182	2/18/2025	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.
100-A-182	2/18/2025	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.
100-A-182	**2/18/2025**	**For SW-846 Method 8260C, for samples 2502180905A and 2502180906A, CFC 123a (0.59 ug/L, 0.62 ug/L) were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-C-365	**2/18/2025**	**For SW-846 Method 8270E, for sample 2502181035C, multiple analytes were tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
100-C-365	**2/18/2025**	**For Low Level SW-846 Method 8260C, for samples 2502181020C and 2502181022C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
100-C-365	2/18/2025	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.

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100-C-365	2/18/2025	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.
100-C-365	**2/18/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502181022C) at 18.0 ug/L.**
300-A-170	**2/18/2025**	**For SW-846 Method 8260C, for samples 2502181250A, 2502181435A, 2502181436A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
300-A-170	**2/18/2025**	**For SW-846 Method 8260C, Unknown was detected in the trip blank (2502181250A) at 19.0 ug/L.**
300-A-170	**2/18/2025**	**For SW-846 Method 8260C, for sample 2502181435A, TCE (0.86 ug/L) and CFC 21 (0.52 ug/L) were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-A-170	**2/18/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502181436A) at 18.0 ug/L.**
300-A-170	**2/18/2025**	**For SW-846 Method 8260C, CFC 11 (180 ug/L) in sample 2502181435A is the result of a 2.5-fold dilution.**
300-A-170	**2/18/2025**	**For SW-846 Method 8260D, Carbon Dioxide (50 ug/L) in sample 2502181435A is an estimated value and tentatively identified by a GC/MS library search.**
300-A-170	2/18/2025	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-A-170	2/18/2025	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-21-400	**2/18/2025**	**For SW-846 Method 8260C, for samples 2502181420C, 2502181422C, and 2502181425C unknown analyte(s) were tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-21-400	**2/18/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502181422C) at 20.0 ug/L.**
BLM-21-400	**2/18/2025**	**For SW-846 Method 8260C, for sample 2502181420C, CFC 21 (0.78 ug/L) were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-21-400	2/18/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2502181420C and 2502181425C were within control limits or below the calculable range.
BLM-21-400	**2/18/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (260 ug/L), in samples 2502181420C and 2502181425C, is the result of a 2.5-fold dilution.**
BLM-21-400	**2/18/2025**	**For SW-846 Method 8260C, for sample 2502181425C, cis-1,2-Dichloroethene (0.26 ug/L) were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-21-400	2/18/2025	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-21-400	2/18/2025	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.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
400-001-GW	**2/19/2025**	**For SW-846 Method 8260C, for sample 2502181435A, TCE (0.85 ug/L) and CFC 123a (0.4 ug/L) are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
400-001-GW	**2/19/2025**	**For SW-846 Method 8260C, for samples 2502191320A and 2502191321A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
400-001-GW	2/19/2025	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.
400-001-GW	2/19/2025	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.
400-001-GW	**2/19/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane was detected in the field blank (2502191321A) at 29.0 ug/L. Dichlorofluoromethane (CFC 21) was detected in the field blank (2502191321A) at 1.3 ug/L. Trichloroethene (TCE) was detected in the field blank (2502191321A) at 0.85 ug/L. Trichlorofluoromethane (CFC 11) was detected in the field blank (2502191321A) at 150.0 ug/L. 1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a) was detected in the field blank (2502191321A) at 0.4 ug/L. Unknown was detected in the field blank (2502191321A) at 47.0 ug/L.**
400-001-GW	**2/19/2025**	**For SW-846 Method 8260C, due to a sample labeling error in the field sample 2502191320A and field blank 2502191321A were switched in the field. Using historic concentration comparison, sample numbers in the database were corrected to match the field logbook.**
400-EV-131	**2/19/2025**	**For SW-846 Method 8260C, for sample 2502191020C, CFC 21 (0.36 ug/L) is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
400-EV-131	**2/19/2025**	**For SW-846 Method 8260C, CFC 11 (370 ug/L), in sample 2502191020C, is the result of a 2.5-fold dilution.**
400-EV-131	**2/19/2025**	**For SW-846 Method 8260C, for samples 2502191020C and 2502191024C unknown analyte(s) were tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
400-EV-131	2/19/2025	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.
400-EV-131	2/19/2025	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.
400-EV-131	**2/19/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502191024C) at 19.0 ug/L.**
400-GV-125	**2/19/2025**	**For SW-846 Method 8260C, for samples 2502191430C and 2502191435C unknown analyte(s) were tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
400-GV-125	**2/19/2025**	**For SW-846 Method 8260C, for sample 2502191430C, TCE (0.86 ug/L) is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
400-GV-125	**2/19/2025**	**For SW-846 Method 8260C, CFC 11 (180 ug/L), in sample 2502191430C, is the result of a 2.5-fold dilution.**
400-GV-125	2/19/2025	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

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.
400-GV-125	2/19/2025	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.
400-GV-125	**2/19/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502191435C) at 21.0 ug/L.**
B650-EFF-1	2/19/2025	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.
B650-EFF-1	2/19/2025	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.
B650-EFF-1	**2/19/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502190837) at 21.0 ug/L.**
B650-EFF-1	**2/19/2025**	**For Low Level SW-846 Method 8260C, for samples 2502190836 and 2502190837, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B650-INF-1	**2/19/2025**	**For SW-846 Method 8260C, for sample 2502190935, TCE (0.71 ug/L) is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
B650-INF-1	**2/19/2025**	**For SW-846 Method 8260C, for samples 2502190935 and 2502190936, one unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B650-INF-1	2/19/2025	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.
B650-INF-1	2/19/2025	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.
B650-INF-1	**2/19/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502190936) at 18.0 ug/L.**
B655-EFF-2	**2/19/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2502190954) at 21.0 ug/L.**
B655-EFF-2	2/19/2025	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.
B655-EFF-2	2/19/2025	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.
B655-EFF-2	**2/19/2025**	**For Low Level SW-846 Method 8260C, for samples 2502190953 and 2502190954, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B655-INF-2	**2/19/2025**	**For SW-846 Method 8260C, for samples 2502191010 and 250219101 unknown analyte(s) were tentatively identified by a GC/MS library search and the amount reported is an estimated value.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
B655-INF-2	**2/19/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (290 ug/L), in sample 2502191010, is the result of a 2.5-fold dilution.**
B655-INF-2	**2/19/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502191011) at 18.0 ug/L.**
B655-INF-2	2/19/2025	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.
B655-INF-2	2/19/2025	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.
400-JV-150	2/20/2025	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.
400-JV-150	2/20/2025	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.
400-JV-150	**2/20/2025**	**For SW-846 Method 8260C, for samples 2502201348A and 2502201349A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
400-JV-150	**2/20/2025**	**For SW-846 Method 8260C, CFC 11 (700 ug/L), in sample 2502201348A, is the result of a 10-fold dilution.**
400-JV-150	**2/20/2025**	**For SW-846 Method 8260C, for sample 2502201348A, CFC 123a (0.73 ug/L) and TCE (0.86 ug/L) are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
400-JV-150	2/20/2025	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. Iodomethane >40%.
400-JV-150	2/20/2025	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.
400-JV-150	2/20/2025	For SW-846 Method 8260C, the lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one analyte. There were no detections of the analyte 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 be performed due to holding time constraints. The analyte is flagged in the LCS Summary.
400-JV-150	**2/20/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2502201349A) at 7.4 ug/L.**
BW-4-330	**2/20/2025**	**For SW-846 Method 8260C, for samples 2502200720A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BW-4-330	2/20/2025	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. Iodomethane >40%.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BW-4-330	**2/20/2025**	**For SW-846 Method 8260C, multiple analyte results in sample 2502200920A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BW-4-330	**2/20/2025**	**For SW-846 Method 8260C, Sulfur Dioxide in field blank sample 2502200928A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BW-4-330	**2/20/2025**	**For SW-846 Method 8260C, Sulfur Dioxide was detected in the field blank (2502200928A) at 6.1 ug/L.**
BW-4-330	**2/20/2025**	**For SW-846 Method 8260C, Unknown was detected in the trip blank (2502200720A) at 5.8 ug/L.**

Well ID	Event Date	Modified EPA Method 607 QA Narratives
300-B-166	2/5/2025	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2502051412C and 2502051413C were within control limits or below the calculable range.
200-F-370	**2/11/2025**	**For Modified EPA Method 607, for sample 2502111416Y, Bromacil (0.006 ug/L) was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
MPE-9	2/11/2025	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2502110843 and 2502110844 were within control limits or below the calculable range.
600-E-280	**2/13/2025**	**For Modified EPA Method 607, for sample 2502131341Y, Bromacil (0.007 ug/L) was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
600-E-280	**2/13/2025**	**For Modified EPA Method 607, in blind control sample (2502131451Y), the percent recovery for Bromacil (40.0%) was outside of the standard limits (50.0-190.0%).**
300-E-183	**2/14/2025**	**For Modified EPA Method 607, for sample 2502141331Y, N-Nitrodimethylamine (0.006 ug/L) was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
B650-INF-1	**2/19/2025**	**For Modified EPA Method 607, for sample 2502190937, Bromacil (0.005 ug/L) was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
PL-6-545	2/3/2025	For Low Level Nitrosamine Method, matrix spike recoveries for sample 2502031312Y were within laboratory control limits.
PL-6-545	**2/3/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2502030807Y) at 1.49 ng/L.**
PL-6-545	**2/3/2025**	**For Low Level Nitrosamine Method, The blanks did not contain any positive detections above the MDL. All three blanks contained an EMPC for NDMA in batch HR-973. In Blank PB25B12CM1 it was >2x above the LOQ. Affected data are appropriately qualified.**
PL-6-545	**2/3/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2502030807Y and 2502031048Y. Affected data are appropriately qualified.**
WELL K	**2/3/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2502031333) at 1.34 ng/L.**
WELL K	**2/3/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria in samples 2502031332 and 2502031333. Concentration should be considered an estimated maximum possible concentration. Affected data are appropriately qualified.**
WELL K	**2/3/2025**	**For Low Level Nitrosamine Method, The blanks did not contain any positive detections above the MDL. All three blanks contained an EMPC for NDMA in batch HR-973. In**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
		Blank PB25B12CM1 it was >2x above the LOQ. Affected data are appropriately qualified.
WELL M	**2/3/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2502030807Y and 2502031048Y. Affected data are appropriately qualified.**
WELL M	**2/3/2025**	**For Low Level Nitrosamine Method, The blanks did not contain any positive detections above the MDL. All three blanks contained an EMPC for NDMA in batch HR-973. In Blank PB25B12CM1 it was >2x above the LOQ. Affected data are appropriately qualified.**
ST-5-655	**2/4/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2502040842Y) at 1.77 ng/L.**
ST-5-655	**2/4/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2502040842Y and 2502041036Y. Affected data are appropriately qualified.**
ST-5-655	**2/4/2025**	**For Low Level Nitrosamine Method, The blanks did not contain any positive detections above the MDL. All three blanks contained an EMPC for NDMA in batch HR-973. In Blank PB25B12CM1 it was >2x above the LOQ. Affected data are appropriately qualified.**
PL-7-630	**2/5/2025**	**For Low Level Nitrosamine Method, The blanks did not contain any positive detections above the MDL. All three blanks contained an EMPC for NDMA in batch HR-973. In Blank PB25B12CM1 it was >2x above the LOQ. Affected data are appropriately qualified.**
PL-7-630	**2/5/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2502051421Y) at 2.2 ng/L.**
PL-7-630	**2/5/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2502051316Y) at 1.47 ng/L.**
PL-7-630	**2/5/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2502051316Y, 2502051421Y, and 2502060933Y. Affected data are appropriately qualified.**
PL-7-630	2/5/2025	For Low Level Nitrosamine Method, the LCS spike recovery was within the advisory limit of 70-130% for both compounds. NDMA recovery was at the upper acceptance limit (130%) due to the EMPC contribution.
PL-7-630	**2/5/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery for DMN was within the advisory limit of 70-130%. Recovery for NDMA was well above the advisory limit (226%). This is most likely due to contribution from the EMPCs detected in the associated blanks.**
PL-7-630	**2/5/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B13JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (1.76 ng/L) above the LOQ. This EMPC elevated the LFB and LCS areas for NDMA.**
ST-5-485	**2/5/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2502041403Y) at 2.64 ng/L.**
ST-5-485	**2/5/2025**	**For Low Level Nitrosamine Method, The blanks did not contain any positive detections above the MDL. All three blanks contained an EMPC for NDMA in batch HR-973. In Blank PB25B12CM1 it was >2x above the LOQ. Affected data are appropriately qualified.**
ST-5-485	**2/5/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2502050936Y. Affected data are appropriately qualified.**
BLM-32-543	**2/6/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2502061358B) at 1.64 ng/L.**
BLM-32-543	**2/6/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2502060716B) at 1.54 ng/L.**
BLM-32-543	**2/6/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery for DMN was within the advisory limit of 70-130%. Recovery for NDMA was well above the advisory limit**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
		(226%). This is most likely due to contribution from the EMPCs detected in the associated blanks.
BLM-32-543	2/6/2025	For Low Level Nitrosamine Method, the LCS spike recovery was within the advisory limit of 70-130% for both compounds. NDMA recovery was at the upper acceptance limit (130%) due to the EMPC contribution.
BLM-32-543	**2/6/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2502060716B, 2502061151B, and 2502061358B. Affected data are appropriately qualified.**
BLM-32-543	**2/6/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B13JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (1.76 ng/L) above the LOQ. This EMPC elevated the LFB and LCS areas for NDMA.**
BLM-32-571	**2/6/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B13JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (1.76 ng/L) above the LOQ. This EMPC elevated the LFB and LCS areas for NDMA.**
BLM-32-571	**2/6/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery for DMN was within the advisory limit of 70-130%. Recovery for NDMA was well above the advisory limit (226%). This is most likely due to contribution from the EMPCs detected in the associated blanks.**
BLM-32-571	**2/6/2025**	**For Low Level Nitrosamine Method, the LCS spike recovery was within the advisory limit of 70-130% for both compounds. NDMA recovery was at the upper acceptance limit (130%) due to the EMPC contribution.**
BLM-32-571	**2/6/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2502061411B) at 1.62 ng/L.**
BLM-32-571	**2/6/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2502061211B, 2502061410B, and 2502061411B. Affected data are appropriately qualified.**
BLM-32-571	**2/6/2025**	**For Low Level Nitrosamine Method, field duplicate samples 2502061211B and 2502061410B the relative percent difference for N-Nitrosodimethylamine was 24.5%. Upper acceptance limit for relative percent difference is 25%.**
BLM-32-632	**2/6/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B13JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (1.76 ng/L) above the LOQ. This EMPC elevated the LFB and LCS areas for NDMA.**
BLM-32-632	**2/6/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery for DMN was within the advisory limit of 70-130%. Recovery for NDMA was well above the advisory limit (226%). This is most likely due to contribution from the EMPCs detected in the associated blanks.**
BLM-32-632	2/6/2025	For Low Level Nitrosamine Method, the LCS spike recovery was within the advisory limit of 70-130% for both compounds. NDMA recovery was at the upper acceptance limit (130%) due to the EMPC contribution.
BLM-32-632	**2/6/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2502061237B and 2502061238B. Affected data are appropriately qualified.**
BLM-32-632	**2/6/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2502061238B) at 1.62 ng/L.**
PL-7-560	**2/6/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B13JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (1.76 ng/L) above the LOQ. This EMPC elevated the LFB and LCS areas for NDMA.**
PL-7-560	**2/6/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery for DMN was within the advisory limit of 70-130%. Recovery for NDMA was well above the advisory limit (226%). This is most likely due to contribution from the EMPCs detected in the associated blanks.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
PL-7-560	2/6/2025	For Low Level Nitrosamine Method, the LCS spike recovery was within the advisory limit of 70-130% for both compounds. NDMA recovery was at the upper acceptance limit (130%) due to the EMPC contribution.
PL-7-560	**2/6/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2502061255Y and 2502061356Y. Affected data are appropriately qualified.**
PL-7-560	**2/6/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2502061255Y) at 2.22 ng/L.**
WW-4-589	**2/10/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2502101155B) at 1.23 ng/L.**
WW-4-589	**2/10/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2502100716B) at 1.48 ng/L.**
WW-4-589	**2/10/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery for DMN was within the advisory limit of 70-130%. Recovery for NDMA was well above the advisory limit (226%). This is most likely due to contribution from the EMPCs detected in the associated blanks.**
WW-4-589	**2/10/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2502100716B, 2502101154B, and 2502101155B. Affected data are appropriately qualified.**
WW-4-589	**2/10/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B13JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (1.76 ng/L) above the LOQ. This EMPC elevated the LFB and LCS areas for NDMA.**
WW-4-589	2/10/2025	For Low Level Nitrosamine Method, the LCS spike recovery was within the advisory limit of 70-130% for both compounds. NDMA recovery was at the upper acceptance limit (130%) due to the EMPC contribution.
WW-4-589	**2/10/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2502101215B and 2502101216B. Affected data are appropriately qualified.**
WW-4-848	**2/10/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2502101216B) at 1.29 ng/L.**
WW-4-848	**2/10/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B13JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (1.76 ng/L) above the LOQ. This EMPC elevated the LFB and LCS areas for NDMA.**
WW-4-848	**2/10/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery for DMN was within the advisory limit of 70-130%. Recovery for NDMA was well above the advisory limit (226%). This is most likely due to contribution from the EMPCs detected in the associated blanks.**
WW-4-848	2/10/2025	For Low Level Nitrosamine Method, the LCS spike recovery was within the advisory limit of 70-130% for both compounds. NDMA recovery was at the upper acceptance limit (130%) due to the EMPC contribution.
WW-4-948	**2/10/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2502101237B) at 1.24 ng/L.**
WW-4-948	2/10/2025	For Low Level Nitrosamine Method, the LCS spike recovery was within the advisory limit of 70-130% for both compounds. NDMA recovery was at the upper acceptance limit (130%) due to the EMPC contribution.
WW-4-948	**2/10/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery for DMN was within the advisory limit of 70-130%. Recovery for NDMA was well above the advisory limit (226%). This is most likely due to contribution from the EMPCs detected in the associated blanks.**
WW-4-948	**2/10/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B13JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (1.76 ng/L) above the LOQ. This EMPC elevated the LFB and LCS areas for NDMA.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
WW-4-948	**2/10/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2502101215B and 2502101216B. Affected data are appropriately qualified.**
ST-2-466	2/11/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
ST-2-466	2/11/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
ST-2-466	**2/11/2025**	**For Low Level Nitrosamine Method, results for sample 2502111043A (ST-2-466, 11.71 ng/L) look like expected results for blind control sample 2502121430A (ST-4-589, ND) and vice versa. No evidence of switched samples was found by personnel during QA reviews. The affected NDMA_LL results for both samples are qualified as unusable.**
ST-4-589	2/12/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
ST-4-589	**2/12/2025**	**For Low Level Nitrosamine Method in blind control sample (2502121430A), all recoveries were outside standard limits.**
ST-4-589	**2/12/2025**	**For Low Level Nitrosamine Method, results for sample 2502111043A (ST-2-466, 11.71 ng/L) look like expected results for blind control sample 2502121430A (ST-4-589, ND) and vice versa. No evidence of switched samples was found by personnel during QA reviews. The affected NDMA_LL results for both samples are qualified as unusable.**
ST-4-690	2/12/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-12-570	**2/13/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B20JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (0.41) below the LOQ. This EMPC elevated the associated LFB area for NDMA.**
PL-12-570	**2/13/2025**	**For Low Level Nitrosamine Method, the LFB spike recoveries were within the advisory limit of 70-130% for both compounds with the exception of NDMA in LFB2525B20FB1, was slightly above the advisory limit. This is most likely due to contribution from the EMPC detected in the associated blank.**
PL-12-570	2/13/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-12-800	2/13/2025	For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2502130947A and 2502130949A were within control limits or below the calculable range.
PL-12-800	2/13/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-12-800	2/13/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
PL-12-800	**2/13/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B20JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (0.41) below the LOQ. This EMPC elevated the associated LFB area for NDMA.**
PL-12-800	**2/13/2025**	**For Low Level Nitrosamine Method, the LFB spike recoveries were within the advisory limit of 70-130% for both compounds with the exception of NDMA in LFB2525B20FB1, was slightly above the advisory limit. This is most likely due to contribution from the EMPC detected in the associated blank.**
NASA 3	2/14/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
NASA 3	**2/14/2025**	**For Low Level Nitrosamine Method, the LFB spike recoveries were within the advisory limit of 70-130% for both compounds with the exception of NDMA in LFB2525B20FB1, was slightly above the advisory limit. This is most likely due to contribution from the EMPC detected in the associated blank**
NASA 3	**2/14/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B20JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (0.41) below the LOQ. This EMPC elevated the associated LFB area for NDMA.**
ST-5-481	2/14/2025	For Low Level Nitrosamine Method, matrix spike recoveries for sample 2502141040A were within laboratory control limits.
ST-5-481	2/14/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
ST-5-481	**2/14/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B20JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (0.41) below the LOQ. This EMPC elevated the associated LFB area for NDMA.**
ST-5-481	**2/14/2025**	**For Low Level Nitrosamine Method, the LFB spike recoveries were within the advisory limit of 70-130% for both compounds with the exception of NDMA in LFB2525B20FB1, was slightly above the advisory limit. This is most likely due to contribution from the EMPC detected in the associated blank.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
B650-EFF-1	**2/19/2025**	**For Low Level Nitrosamine Method, the LFB spike recoveries were within the advisory limit of 70-130% for both compounds with the exception of NDMA in LFB2525B20FB1, was slightly above the advisory limit. This is most likely due to contribution from the EMPC detected in the associated blank**
B650-EFF-1	**2/19/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B20JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (0.41) below the LOQ. This EMPC elevated the associated LFB area for NDMA.**
B650-EFF-1	2/19/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
B655-EFF-2	**2/19/2025**	**For Low Level Nitrosamine Method, the method blank (PB25B20JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA (0.41) below the LOQ. This EMPC elevated the associated LFB area for NDMA.**
B655-EFF-2	**2/19/2025**	**For Low Level Nitrosamine Method, the LFB spike recoveries were within the advisory limit of 70-130% for both compounds with the exception of NDMA in LFB2525B20FB1, was slightly above the advisory limit. This is most likely due to contribution from the EMPC detected in the associated blank**
B655-EFF-2	2/19/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
B655-EFF-2	2/19/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.

Well ID	Event Date	SW-846 Method 8270D QA Narratives
WW-4-589	2/10/2025	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.
WW-4-589	2/10/2025	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.
WW-4-848	2/10/2025	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.
WW-4-848	2/10/2025	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.
WW-4-948	2/10/2025	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.
WW-4-948	2/10/2025	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.
100-A-182	2/18/2025	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.

Well ID	Event Date	SW-846 Method 8270D QA Narratives
100-A-182	**2/18/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (400 ug/L), n-Hexadecanoic acid (6.8 ug/L) and 2-Ethanol (5.6 ug/L) were detected in the method blank.**
100-C-365	**2/18/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (400 ug/L), n-Hexadecanoic acid (6.8 ug/L) and 2-Ethanol (5.6 ug/L) were detected in the method blank.**
100-C-365	2/18/2025	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	**2/19/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (400 ug/L), n-Hexadecanoic acid (6.8 ug/L) and 2-Ethanol (5.6 ug/L) were detected in the method blank.**
400-001-GW	2/19/2025	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.
B650-INF-1	**2/19/2025**	**For SW-846 Method 8270E SIM, 1,4-Dioxane (0.039 ug/L) in sample 2502190938 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BW-4-330	**2/20/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (370 ug/L) was detected in the method blank.**
BW-4-330	2/20/2025	For SW-846 Method 8270, 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.
BW-4-330	2/20/2025	For SW-846 Method 8270, 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.
BW-4-330	2/20/2025	For SW-846 Method 8270, 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.
BW-4-330	**2/20/2025**	**For SW-846 Method 8270, in sample (2502200922A) analytes Butane, 2-methoxy-2-methyl- (510 ug/L) and TCE (9.4 ug/L) are tentatively identified by a GC/MS library search and the amount reported is an estimated value.**

Well ID	Event Date	Total Metals QA Narratives
ST-5-655	**2/4/2025**	**For Total Metals, multiple analyte results in sample 2502041307Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-B-166	**2/5/2025**	**For Total Metals, multiple analyte results in sample 2502041307Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-7-630	**2/5/2025**	**For Total Metals, multiple analyte results in sample 2502061010Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-5-485	**2/5/2025**	**For Total Metals, multiple analyte results in sample 2502051008Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-32-543	**2/6/2025**	**For Total Metals, multiple analyte results in sample 2502061359B were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-32-543	**2/6/2025**	**For Total Metals, the matrix spike recovery of Magnesium and Calcium in sample 2502061400B was outside method required limits. Samples were diluted and reanalyzed**

Well ID	Event Date	Total Metals QA Narratives
		as per the method. The control criteria is not applicable. Affected groundwater data are appropriately qualified.
200-C-225	**2/10/2025**	**For Total Metals, multiple analyte results in sample 2502101415Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
200-C-270	**2/10/2025**	**For Total Metals, multiple analyte results in sample 2502101010Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
200-C-170	**2/11/2025**	**For Total Metals, multiple analyte results in sample 2502111015Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
200-F-370	**2/11/2025**	**For Total Metals, multiple analyte results in sample 2502111445Y and 2502111446Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
200-F-370	2/11/2025	For Total Metals, relative percent differences (RPD) for duplicate samples 2502111445Y and 2502111446Y were within control limits or below the calculable range.
ST-2-466	**2/11/2025**	**For Total Metals, multiple analyte results in samples 2502111045A and 2502111047A were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-2-466	**2/11/2025**	**For Total Metals, field duplicate samples 2502111045A and 2502111047A the relative percent difference for Total Chromium (51.0% and Total Iron (41.4%) This value is outside the upper acceptance limit for relative percent difference of 25%.**
ST-2-466	2/11/2025	For Total Metals, there were no detections in the field blank.
ST-2-466	**2/11/2025**	**For Total Metals, field duplicate samples 2502111045A and 2502111047A the relative percent difference for Iron, Total was 41.4%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
200-F-225	**2/12/2025**	**For Total Metals, multiple analyte results in sample 2502130845Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
200-F-420	**2/12/2025**	**For Total Metals, Magnesium, Total was detected in the equipment blank (2502120846Y) at 0.05 mg/L. Strontium, Total was detected in the equipment blank (2502120846Y) at 0.01 mg/L. Zinc, Total was detected in the equipment blank (2502120846Y) at 0.004 mg/L.**
200-F-420	**2/12/2025**	**For Total Metals, multiple analyte results in samples 2502120846Y and 2502121040Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
600-E-280	2/13/2025	For Total Metals in blind control sample (2502131452Y), all recoveries were within standard limits.
600-E-280	**2/13/2025**	**For Total Metals, multiple analyte results in samples 2502131435Y and 2502131452Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-E-138	**2/14/2025**	**For Total Metals, multiple analyte results in samples 2502141040Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-E-183	**2/14/2025**	**For Total Metals, multiple analyte results in samples 2502141350Y were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-5-481	**2/14/2025**	**For Total Metals, multiple analyte results in samples 2502141043A were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-A-182	**2/18/2025**	**For Total Metals, the matrix spike recovery of Magnesium (71.7 mg/L) and Calcium (144 mg/L) in sample 2502180912A was outside method required limits. Samples were diluted and reanalyzed as per the method. The control criteria is not applicable. Affected groundwater data are appropriately qualified.**
100-A-182	**2/18/2025**	**For Total Metals, the matrix spike recovery of Sodium (56000 ug/L) in sample 2502180912A was outside method required limits. Affected groundwater data are appropriately qualified.**
100-A-182	**2/18/2025**	**For Total Metals, multiple analyte results in samples 2502180911A were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-C-365	**2/18/2025**	**For Total Metals, multiple analyte results in samples 2502181040C were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	Total Metals QA Narratives
300-A-170	**2/18/2025**	**For Total Metals, multiple analyte results in samples 2502181438A were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-21-400	**2/18/2025**	**For Total Metals, multiple analyte results in samples 2502181436C were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
400-001-GW	**2/19/2025**	**For Total Metals, multiple analyte results in samples 2502181436C were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BW-4-330	**2/20/2025**	**For Total Metals, multiple analyte results in samples 2502200923A were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	PFAS EPA Method 1633 QA Narratives
B650-EFF-1	2/19/2025	For EPA Method 1633, there were no detections in the field blank.
B650-INF-1	2/19/2025	For EPA Method 1633, there were no detections in the field blank.
B655-EFF-2	2/19/2025	For EPA Method 1633, the lower control criterion was exceeded for one or more surrogates in sample 2502191000. The quality of the sample data was not significantly affected. No further corrective action needed.
B655-EFF-2	2/19/2025	For EPA Method 1633, there were no detections in the field blank.
B655-EFF-2	2/19/2025	For EPA Method 1633, in sample 2502191000 surrogate recovery for 13C3-PFPrA (4%) was outside laboratory control limits (5-130%). No further corrective action needed.
B655-INF-2	2/19/2025	For EPA Method 1633, there were no detections in the field blank.
B655-INF-2	2/19/2025	For EPA Method 1633, relative percent differences (RPD) for duplicate samples 2502191014 and 2502191015 were within control limits or below the calculable range.
200-F-225	2/24/2025	For EPA Method 1633, the lower control criterion was exceeded for one or more surrogates in sample 2502241040Y. The quality of the sample data was not significantly affected. No further corrective action needed.
200-F-225	**2/24/2025**	**For EPA Method 1633, the sample numbers 2502240920 and 2502241040 listed on the chain of custody and sample jars were incorrect. The EDD from the analytical laboratory have been corrected to match the field logbook (2502240920Y and 2502241040Y).**
200-F-225	2/24/2025	For EPA Method 1633, in sample 2502241040Y surrogate recovery for d5-EtFOSAA (177%) was outside laboratory control limits (25-135%). No further corrective action needed.
200-F-225	2/24/2025	For EPA Method 1633, there were no detections in the equipment blank.
200-G-175	2/24/2025	For EPA Method 1633, the lower control criterion was exceeded for one or more surrogates in sample 2502241650Y. The quality of the sample data was not significantly affected. No further corrective action needed.
200-G-175	2/24/2025	For EPA Method 1633, in sample 2502241650Y surrogate recovery for 13C8-PFOSA (39%) was outside laboratory control limits (40-130%). No further corrective action needed.
200-G-175	2/24/2025	For EPA Method 1633, there were no detections in the equipment blank.
200-H-225	**2/24/2025**	**For EPA Method 1633, PFBA was detected in the equipment blank (2502241325Y) at 26.1 ug/L.**
BLM-6-488	2/24/2025	For EPA Method 1633, there were no detections in the field blank.
ST-1-541	**2/24/2025**	**For EPA Method 1633, field duplicate samples 2502241450C and 2502241451C the relative percent difference for PFOA was 33.6%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
ST-1-541	2/24/2025	For EPA Method 1633, there were no detections in the field blank.
ST-1-541	2/24/2025	For EPA Method 1633, due to an incorrect entry into the computer logbook, samples 2502241450C, 2502241451C, 2502241452C were incorrectly recorded for well "ST-1-473", the correct well ID is "ST-1-541". The database was corrected to match the field logbook, chain of custody, and laboratory report. No further action taken.
WW-1-452	2/24/2025	For EPA Method 1633, there were no detections in the field blank.
100-D-176	2/25/2025	For EPA Method 1633, there were no detections in the field blank.

Well ID	Event Date	PFAS EPA Method 1633 QA Narratives
100-D-176	2/25/2025	For EPA Method 1633, the upper control criterion was exceeded for one or more surrogates in sample 2502251416C. The associated native analyte was not detected above the Method Reporting Limit (MRL) in this sample. The quality of the sample data was not significantly affected. No further corrective action needed.
100-D-176	**2/25/2025**	**For EPA Method 1633, the sample numbers 2502251400 and 2502251455 listed on the chain of custody and sample jars were incorrect. The EDD from the analytical laboratory have been corrected to match the field logbook (2502251400Y and 2502251455Y).**
100-D-176	**2/25/2025**	**For EPA Method 1633, the sample numbers 2502251415 and 2502251416 listed on the chain of custody and sample jars were incorrect. The EDD from the analytical laboratory have been corrected to match the field logbook (2502251415C and 2502251416C).**
100-D-176	2/25/2025	For EPA Method 1633, in sample 2502251416C surrogate recovery for 13C24:2FTS (207%) was outside laboratory control limits (40-200%). No further corrective action needed.
600-G-138	2/25/2025	For EPA Method 1633, there were no detections in the field blank.
700-H-350	2/25/2025	For EPA Method 1633, the upper control criterion was exceeded for one or more surrogates in sample 2502251005Y. The associated native analyte was not detected above the Method Reporting Limit (MRL) in this sample. The quality of the sample data was not significantly affected. No further corrective action needed.
700-H-350	2/25/2025	For EPA Method 1633, in sample 2502251005Y surrogate recovery for 13C24:2FTS (205%) and 13C5-PFHxA (131%) was outside laboratory control limits (40-200% and 40-130%). No further corrective action needed.
700-H-350	**2/25/2025**	**For EPA Method 1633, PFBA was detected in the equipment blank (2502250900Y) at 6.2 ug/L.**
BLM-14-327	2/25/2025	For EPA Method 1633, there were no detections in the field blank.
BLM-3-182	2/25/2025	For EPA Method 1633, there were no detections in the field blank.
WB-1-330	2/25/2025	For EPA Method 1633, there were no detections in the equipment blank.
100-C-365	2/26/2025	For EPA Method 1633, matrix spike recoveries for sample 2502261041A were within laboratory control limits.
100-C-365	2/26/2025	For EPA Method 1633, the lower control criterion was exceeded for one or more surrogates in sample 2502261042A. The quality of the sample data was not significantly affected. No further corrective action needed.
100-C-365	**2/26/2025**	**For EPA Method 1633, PFOA was detected in the field blank (2502261042A) at 1.6 ug/L.**
100-C-365	2/26/2025	For EPA Method 1633, in field blank sample 2502261042A and matrix spike sample 2502261041A multiple surrogate recoveries are outside laboratory control limits. No further corrective action needed.
200-B-240	2/26/2025	For EPA Method 1633, the upper control criterion was exceeded for one or more surrogates in sample 2502261501C. The associated native analyte was not detected above the Method Reporting Limit (MRL) in this sample. The quality of the sample data was not significantly affected. No further corrective action needed.
200-B-240	2/26/2025	For EPA Method 1633, there were no detections in the field blank.
200-B-240	2/26/2025	For EPA Method 1633, in field blank sample 2502261501C multiple surrogate recoveries are outside laboratory control limits. No further corrective action needed.
200-D-240	2/26/2025	For EPA Method 1633, the upper control criterion was exceeded for one or more surrogates in sample 2502261016C. The associated native analyte was not detected above the Method Reporting Limit (MRL) in this sample. The quality of the sample data was not significantly affected. No further corrective action needed.
200-D-240	2/26/2025	For EPA Method 1633, there were no detections in the field blank.
200-D-240	2/26/2025	For EPA Method 1633, the lower control criterion was exceeded for one or more surrogates in sample 2502261015C. The quality of the sample data was not significantly affected. No further corrective action needed.
200-D-240	2/26/2025	For EPA Method 1633, in samples 2502261015C and 2502261016C multiple surrogate recoveries are outside laboratory control limits. No further corrective action needed.

Well ID	Event Date	Miscellaneous QA Narratives
100-A-182	2/18/2025	For SW-846 Method 8270E, the lower control limit was exceeded for DRO as C10-C28 Alkanes (17%) in the Laboratory Control Sample (LCS) (31-99%). The discrepancy indicates a potential bias for results reported from this analytical batch. Reanalysis was not performed because insufficient sample remained for additional testing. The analytes affected are flagged in the LCS Summary Report.
100-A-182	2/18/2025	For SW-846 Method 8015C, the control limits were exceeded for one or more surrogates in the LCS. A reanalysis was not performed because insufficient sample was available. No further corrective action was possible.
100-C-365	2/18/2025	For SW-846 Method 8270E, the lower control limit was exceeded for DRO as C10-C28 Alkanes (17%) in the Laboratory Control Sample (LCS) (31-99%). The discrepancy indicates a potential bias for results reported from this analytical batch. Reanalysis was not performed because insufficient sample remained for additional testing. The analytes affected are flagged in the LCS Summary Report.
100-C-365	2/18/2025	For SW-846 Method 8015C, the control limits were exceeded for one or more surrogates in the LCS. A reanalysis was not performed because insufficient sample was available. No further corrective action was possible.
400-001-GW	**2/19/2025**	**For SW-846 Method 6850, surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative. Affected data qualified accordingly.**
400-001-GW	2/19/2025	For SW-846 Method 8015C, the lower control limit was exceeded DRO as C10-C28 Alkanes (17%) in the Laboratory Control Sample (LCS) (31-99%). The discrepancy indicates a potential bias for results reported from this analytical batch. Reanalysis was not performed because insufficient sample remained for additional testing. The analytes affected are flagged in the LCS Summary Report.
400-001-GW	2/19/2025	For SW-846 Method 8015C, the control limits were exceeded for one or more surrogates in the LCS. A reanalysis was not performed because insufficient sample was available. No further corrective action was possible.
100-A-182	2/18/2025	For SW-846 Method 8270E, the lower control limit was exceeded for DRO as C10-C28 Alkanes (17%) in the Laboratory Control Sample (LCS) (31-99%). The discrepancy indicates a potential bias for results reported from this analytical batch. Reanalysis was not performed because insufficient sample remained for additional testing. The analytes affected are flagged in the LCS Summary Report.

Table 8 – WSTF Blank Sample Detections

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
200-H-225	2/24/2025	Carboy G2	PFAS	PFAS-EB	375-22-4	PFBA	26.1	ng/L	EB
300-E-183	2/14/2025	Carboy G1	8260	VOA-EB	TIC	Unknown	24	ug/L	J TIC
B655-EFF-2	2/19/2025	Carboy PF1	8260_LL	VOA-FB	TIC	Unknown	21	ug/L	J TIC
400-GV-125	2/19/2025	Carboy G2	8260	VOA-FB	TIC	Unknown	21	ug/L	J TIC
B650-EFF-1	2/19/2025	Carboy PF1	8260_LL	VOA-FB	TIC	Unknown	21	ug/L	J TIC
BLM-21-400	2/18/2025	Carboy G2	8260	VOA-FB	TIC	Unknown	20	ug/L	J TIC
300-E-138	2/14/2025	Carboy G1	8260	VOA-EB	TIC	Unknown	20	ug/L	J TIC
600-E-280	2/13/2025	Carboy G1	8260	VOA-EB	TIC	Unknown	20	ug/L	J TIC
PL-12-570	2/13/2025	Carboy G3	8260	VOA-FB	TIC	Unknown	20	ug/L	J TIC
300-A-170	2/18/2025	Carboy G3	8260	VOA-TB	TIC	Unknown	19	ug/L	J TIC
400-001-GW	2/19/2025	Carboy G3	8260	VOA-FB	TIC	Unknown	19	ug/L	J TIC
400-EV-131	2/19/2025	Carboy G2	8260	VOA-FB	TIC	Unknown	19	ug/L	J TIC
300-A-170	2/18/2025	Carboy G3	8260	VOA-FB	TIC	Unknown	18	ug/L	J TIC
NASA 3	2/14/2025	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	18	ug/L	J TIC
PL-12-800	2/13/2025	Carboy G3	8260	VOA-FB	TIC	Unknown	18	ug/L	J TIC
B655-INF-2	2/19/2025	Carboy PF1	8260	VOA-FB	TIC	Unknown	18	ug/L	J TIC
100-C-365	2/18/2025	Carboy G2	8260_LL	VOA-FB	TIC	Unknown	18	ug/L	J TIC
B650-INF-1	2/19/2025	Carboy PF1	8260	VOA-FB	TIC	Unknown	18	ug/L	J TIC
100-A-182	2/18/2025	Carboy G3	8260	VOA-FB	TIC	Unknown	18	ug/L	J TIC
PL-12-800	2/13/2025	Carboy G3	8260	VOA-TB	TIC	Unknown	17	ug/L	J TIC
ST-5-481	2/14/2025	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	17	ug/L	J TIC
WELL M	2/3/2025	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	16	ug/L	J TIC
ST-4-589	2/12/2025	Carboy G2	8260_LL	VOA-FB	TIC	Unknown	15	ug/L	J TIC
WELL K	2/3/2025	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	15	ug/L	J TIC
200-C-225	2/10/2025	Carboy G1	8260	VOA-EB	TIC	Unknown	15	ug/L	J TIC
PL-6-545	2/3/2025	Carboy G1	8260_LL	VOA-TB	TIC	Unknown	15	ug/L	J TIC
ST-5-485	2/5/2025	Carboy G1	8260_LL	VOA-EB	TIC	Unknown	15	ug/L	J TIC
BLM-32-632	2/6/2025	Carboy G1	8260	VOA-FB	TIC	Unknown	14	ug/L	J TIC
BLM-32-543	2/6/2025	Carboy G1	8260	VOA-TB	TIC	Unknown	14	ug/L	J TIC
BLM-32-571	2/6/2025	Carboy G1	8260	VOA-FB	TIC	Unknown	14	ug/L	J TIC
200-C-270	2/10/2025	Carboy G1	8260	VOA-EB	124-38-9	Carbon Dioxide	14	ug/L	J TIC EB

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
200-C-170	2/11/2025	Carboy G1	8260	VOA-EB	7446-09-5	Sulfur Dioxide	14	ug/L	J TIC EB
PL-6-545	2/3/2025	Carboy G1	8260_LL	VOA-EB	TIC	Unknown	14	ug/L	J TIC
PL-7-630	2/5/2025	Carboy G1	8260_LL	VOA-EB	TIC	Unknown	14	ug/L	J TIC
PL-7-630	2/5/2025	Carboy G1	8260_LL	VOA-TB	TIC	Unknown	14	ug/L	J TIC
WW-4-848	2/10/2025	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	14	ug/L	J TIC
ST-4-690	2/12/2025	Carboy G2	8260_LL	VOA-FB	TIC	Unknown	14	ug/L	J TIC
ST-5-655	2/4/2025	Carboy G1	8260_LL	VOA-EB	TIC	Unknown	14	ug/L	J TIC
PL-7-560	2/6/2025	Carboy G1	8260_LL	VOA-EB	TIC	Unknown	13	ug/L	J TIC
WW-4-589	2/10/2025	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	13	ug/L	J TIC
300-B-166	2/5/2025	Carboy G1	8260	VOA-FB	TIC	Unknown	13	ug/L	J TIC
ST-2-466	2/11/2025	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	13	ug/L	J TIC
BLM-32-543	2/6/2025	Carboy G1	8260	VOA-FB	TIC	Unknown	13	ug/L	J TIC
WW-4-948	2/10/2025	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	13	ug/L	J TIC
MPE-11	2/11/2025	Carboy PF1	8260	VOA-FB	TIC	Unknown	13	ug/L	J TIC
200-F-370	2/11/2025	Carboy G1	8260	VOA-EB	7446-09-5	Sulfur Dioxide	12	ug/L	J TIC EB
WW-4-589	2/10/2025	Carboy G3	8260_LL	VOA-TB	TIC	Unknown	12	ug/L	J TIC
200-F-420	2/12/2025	Carboy G1	8260	VOA-EB	TIC	Unknown	10	ug/L	J TIC
BLM-23-431	2/11/2025	Carboy G3	8260	VOA-FB	7446-09-5	Sulfur Dioxide	9.5	ug/L	J TIC FB
400-JV-150	2/20/2025	Carboy G3	8260	VOA-FB	TIC	Unknown	7.4	ug/L	J TIC
200-F-420	2/12/2025	Carboy G1	8260	VOA-EB	541-05-9	Cyclotrisiloxane, hexamethyl-	7.3	ug/L	J TIC EB
200-F-420	2/12/2025	Carboy G1	8260	VOA-EB	TIC	Unknown	7	ug/L	J TIC
700-H-350	2/25/2025	Carboy G3	PFAS	PFAS-EB	375-22-4	PFBA	6.2	ng/L	EB
BW-4-330	2/20/2025	Carboy G3	8260	VOA-FB	7446-09-5	Sulfur Dioxide	6.1	ug/L	J TIC FB
BW-4-330	2/20/2025	Carboy G3	8260	VOA-TB	TIC	Unknown	5.8	ug/L	J TIC
200-F-420	2/12/2025	Carboy G1	8260	VOA-EB	TIC	Unknown	5.4	ug/L	J TIC
ST-5-485	2/5/2025	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	2.64	ng/L	RB EB
PL-6-545	2/3/2025	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	2.64	ng/L	RB TB
PL-7-560	2/6/2025	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	2.22	ng/L	K EB RB A
PL-7-630	2/5/2025	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	2.2	ng/L	K RB TB EB
300-E-183	2/14/2025	Carboy G1	8260	VOA-EB	75-69-4	Trichlorofluoromethane (CFC 11)	1.8	ug/L	EB
ST-5-655	2/4/2025	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	1.77	ng/L	RB EB

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
BLM-32-543	2/6/2025	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.64	ng/L	K RB A TB FB
BLM-32-632	2/6/2025	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.62	ng/L	K RB A FB
BLM-32-571	2/6/2025	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.62	ng/L	K RB A FB
100-C-365	2/26/2025	Carboy G1	PFAS	PFAS-FB	335-67-1	PFOA	1.6	ng/L	FB
BLM-32-543	2/6/2025	Carboy G1	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	1.54	ng/L	K RB A TB FB
PL-6-545	2/3/2025	Carboy G1	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	1.49	ng/L	K RB TB
WW-4-589	2/10/2025	Carboy G3	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	1.48	ng/L	K RB A TB FB
PL-7-630	2/5/2025	Carboy G1	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	1.47	ng/L	K RB TB EB
WELL M	2/3/2025	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.47	ng/L	K RB
WELL K	2/3/2025	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.34	ng/L	K RB FB
WW-4-848	2/10/2025	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.29	ng/L	K RB A FB
WW-4-948	2/10/2025	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.24	ng/L	K RB A FB
WW-4-589	2/10/2025	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.23	ng/L	K RB A TB FB
200-F-420	2/12/2025	Carboy G1	METALS	METALS-EB	7439-95-4	Magnesium, Total	0.05	mg/L	J EB
200-F-420	2/12/2025	Carboy G1	METALS	METALS-EB	7440-24-6	Strontium, Total	0.01	mg/L	J EB

National Aeronautics and Space Administration



Quality Assurance Report for White Sands Test Facility Groundwater Monitoring Data

March 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 March 2025.
- The quantity and type of quality control samples collected or prepared in March 2025.
- Quality control sample percentages in annual period immediately preceding and during March 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 March 2025 QAR.

3.0 Data Tables

Table 1 summarizes the groundwater sample events initiated in March 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 March 2025

Well ID	Event Date
WELL K	2/3/2025
WELL M	2/3/2025
ST-5-655	2/4/2025
WW-4-589	2/10/2025
WW-4-848	2/10/2025

Well ID	Event Date
WW-4-948	2/10/2025
WW-1-452	2/24/2025
WB-1-330	2/25/2025
BLM-13-300	3/3/2025
PL-11-470	3/3/2025

Well ID	Event Date
PL-11-530	3/3/2025
PL-11-710	3/4/2025
PL-11-820	3/4/2025
PL-11-980	3/4/2025
PL-4-464	3/5/2025

Well ID	Event Date
ST-4-481	3/5/2025
BLM-42-569	3/6/2025
BW-6-355	3/6/2025
ST-6-528	3/10/2025
ST-6-568	3/10/2025
WELL K	3/10/2025
WELL M	3/10/2025
WW-3-569	3/10/2025
WW-3-710	3/10/2025
ST-6-678	3/11/2025
ST-6-824	3/11/2025
ST-6-970	3/11/2025
WW-3-469	3/11/2025
WW-3-978	3/11/2025
BLM-42-709	3/12/2025
B655-EFF-2	3/13/2025

Well ID	Event Date
B655-INF-2	3/13/2025
PL-2-504	3/13/2025
PL-8-605	3/13/2025
PL-8-965	3/13/2025
WW-1-452	3/13/2025
B650-EFF-1	3/14/2025
B650-INF-1	3/14/2025
BLM-9-419	3/14/2025
PL-8-455	3/17/2025
WW-2-489	3/17/2025
WW-2-664	3/17/2025
BLM-7-509	3/18/2025
PL-8-780	3/18/2025
100-HG-139	3/19/2025
600A-001-GW-1	3/19/2025
200-D-240	3/20/2025

Well ID	Event Date
600A-002-GW-1	3/20/2025
BLM-5-527	3/20/2025
300-001-GSV	3/24/2025
700-B-510	3/24/2025
BW-1-268	3/24/2025
100-D-176	3/25/2025
300-002-GSV	3/25/2025
600-C-173	3/25/2025
200-H-225	3/26/2025
200-I-300	3/26/2025
NASA 10	3/26/2025
NASA 5	3/26/2025
WB-1-200	3/26/2025
NASA 3	3/27/2025
NASA 4	3/27/2025

Table 2 – Quantity of Quality Control Samples

Method	Samples	Field Blanks	Equip Blanks	Trip Blanks	Blind Controls	Duplicates	Matrix Spikes
Chloride by EPA Method 300.0	**10**	**1**	0	0	0	0	0
Total Kjeldahl Nitrogen	**10**	**1**	0	0	0	0	0
Nitrate plus Nitrite as N by EPA Method 353.2	**25**	**1**	0	0	0	0	0
Nitrosamines by EPA Method 607	**26**	**1**	0	0	**1**	**3**	**1**
Perchlorate by SW-846 Method 6850	**15**	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	**15**	**15**	0	**3**	**1**	**3**	0
Low Level Volatile Organics by SW-846 Method 8260C	**29**	**21**	**8**	**5**	0	**1**	**1**
Semi-Volatile Organics by SW-846 Method 8270D	**17**	0	0	0	0	0	0
Anions by Various EPA Methods	**15**	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**22**	**1**	**1**	0	**1**	**1**	**1**
Nitrosamines by Low-Level Method	**33**	**26**	**8**	**6**	**1**	**3**	**1**
Total Dissolved Solids by Standard Method 2540C	**25**	**1**	0	0	0	0	0

Table 3 – Quality Control Sample Percentages

Quality Control Requirement	Requirement %	Samp. Qty. since Mar 2024	QC Qty. Mar 2024	QC % since Mar 2024	Sample Quantity Mar 2025	QC Quantity Mar 2025	QC % Mar 2025
VOA Duplicates	**10**	602	70	**11.63%**	87	8	**9.2%**
VOA Matrix Spikes	**2**	602	14	**2.33%**	87	2	**2.3%**
607 Duplicates	**10**	355	37	**10.42%**	55	5	**9.09%**
607 Matrix Spikes	**2**	355	9	**2.54%**	55	1	**1.82%**
607 Equipment Blanks	**2**	355	8	**2.25%**	55	0	**0%**
607 Field Blanks	**2**	355	14	**3.94%**	55	1	**1.82%**
NDMA_LL Duplicates	**10**	360	40	**11.11%**	51	5	**9.8%**

Quality Control Requirement	Requirement %	Samp. Qty. since Mar 2024	QC Qty. Mar 2024	QC % since Mar 2024	Sample Quantity Mar 2025	QC Quantity Mar 2025	QC % Mar 2025
NDMA_LL Matrix Spikes	**2**	360	13	**3.61%**	51	3	**5.88%**
Metals Duplicates	**10**	258	27	**10.47%**	43	3	**6.98%**
Metals Matrix Spikes	**2**	258	6	**2.33%**	43	2	**4.65%**
Metals Equipment Blanks	**5**	258	12	**4.65%**	43	2	**4.65%**
Metals Field Blanks	**5**	258	19	**7.36%**	43	2	**4.65%**

Quality Control Requirement	Requirement %	Sample Events since Mar 2024	QC Qty. since Mar 2024	QC % since Mar 2024	Sample Events Mar 2025	QC Quantity Mar 2025	QC % Mar 2025
VOA Equipment Blanks and Field Blanks	*Should approach 100%*	595	592	**99.5%**	87	87	**100%**
Low Level Nitrosamine Equipment Blanks and Field Blanks	*Should approach 100%*	355	355	**100%**	51	51	**100%**

Quality Control Requirement	Requirement %	Shipments since Mar 2024	TB Qty. since Mar 2024	TB % since Mar 2024	Shipments in Mar 2025	TB Quantity Mar 2025	QC % Mar 2025
VOA Trip Blank (per shipment)	*Should approach 100%*	111	111	**100%**	8	8	100%
Low Level Nitrosamine Trip Blank (per shipment)	*Should approach 100%*	93	93	**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
Chloride by EPA Method 300.0	**10**	0	0	0	0	0	0	0
Total Kjeldahl Nitrogen	**10**	**1**	0	0	0	0	0	0
Nitrate plus Nitrite as N by EPA Method 353.2	**25**	0	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**90**	0	0	0	**1**	**2**	0	**3**
Perchlorate by SW-846 Method 6850	**15**	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	**1168**	0	0	0	0	**6**	0	0
Low Level Volatile Organics by SW-846 Method 8260C	**1937**	**1**	0	0	0	0	0	0
Semi-Volatile Organics by SW-846 Method 8270D	**607**	0	0	0	0	0	0	0
Anions by Various EPA Methods	**60**	0	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**621**	0	**3**	0	**2**	0	0	0
Nitrosamines by Low-Level Method	**72**	**18**	**5**	**5**	0	**6**	0	0
Total Dissolved Solids by Standard Method 2540C	**25**	**1**	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
Chloride by EPA Method 300.0	**10**	0	0	0	0	0	0	0	0	0	0
Total Kjeldahl Nitrogen	**10**	0	**1**	0	0	0	0	0	0	0	0
Nitrate plus Nitrite as N by EPA Method 353.2	**25**	0	0	0	0	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**90**	0	0	0	**2**	0	0	**3**	0	**5**	0
Perchlorate by SW-846 Method 6850	**15**	0	0	0	0	0	0	0	0	**2**	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	**1168**	0	0	0	0	0	0	**2**	0	**16**	0
Low Level Volatile Organics by SW-846 Method 8260C	**1937**	0	0	0	0	0	0	0	0	10	0
Semi-Volatile Organics by SW-846 Method 8270D	**607**	0	0	0	0	0	0	0	0	**1**	0
Anions by Various EPA Methods	**60**	0	0	0	0	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**621**	0	0	0	0	**2**	0	**1**	0	**144**	0
Nitrosamines by Low-Level Method	**72**	0	**25**	0	0	**21**	0	0	0	**2**	**21**
Total Dissolved Solids by Standard Method 2540C	**25**	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
BLM-13-300	3/3/2025	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.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BLM-13-300	**3/3/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.47 ug/L) in sample 2503030945A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-13-300	3/3/2025	For SW-846 Method 8260C, there were no detections in the trip blank.
BLM-13-300	3/3/2025	For SW-846 Method 8260C, there were no detections in the field blank.
PL-11-470	3/3/2025	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-11-470	**3/3/2025**	**For Low Level SW-846 Method 8260C, for sample 2503031225B, Silane, fluorotrimethyl- (6.7 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-11-470	**3/3/2025**	**For Low Level SW-846 Method 8260D, CFC 11 (0.42 ug/L), CFC 21 (0.3 ug/L), TCE (0.33 ug/L), and 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.24 ug/L) in sample 2503031225B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-11-530	3/3/2025	For SW-846 Method 8260D, 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-11-530	3/3/2025	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-11-530	3/3/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PL-11-710	3/4/2025	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-11-710	3/4/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PL-11-710	3/4/2025	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	3/4/2025	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	3/4/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PL-11-980	3/4/2025	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-11-980	3/4/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PL-4-464	3/5/2025	For SW-846 Method 8260C, there were no detections in the field blank.
PL-4-464	**3/5/2025**	**For SW-846 Method 8260C, the report was report revised, the COC was not in the report.**
PL-4-464	3/5/2025	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.
ST-4-481	3/5/2025	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

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.
ST-4-481	**3/5/2025**	**For Low Level SW-846 Method 8260C, sample 2503050730A was not identified as the trip blank in the database. Corrected the database to match the field logbook.**
ST-4-481	3/5/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
ST-4-481	3/5/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
BLM-42-569	3/6/2025	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.
BLM-42-569	**3/6/2025**	**For Low Level SW-846 Method 8260C, Toluene was detected in the field blank (2503061052A) at 0.21 ug/L. The is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-42-569	3/6/2025	For Low Level SW-846 Method 8260C, matrix spike recoveries for sample 2503061053A were within laboratory control limits.
BLM-42-569	3/6/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
BW-6-355	3/6/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BW-6-355	3/6/2025	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.
ST-6-528	3/10/2025	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	**3/10/2025**	**For Low Level SW-846 Method 8260D, Toluene (0.47 ug/L) in sample 2503101145B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
ST-6-528	3/10/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-6-568	**3/10/2025**	**For Low Level SW-846 Method 8260D, 1,4-Dioxane (22 ug/L) and Toluene (0.47 ug/L) in sample 2503101200B are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-6-568	3/10/2025	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	**3/10/2025**	**For Low Level SW-846 Method 8260D, TCE (0.25 ug/L) and CFC 11 (0.25 ug/L) in sample 2503101200B are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
ST-6-568	3/10/2025	For Low Level SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2503101200B and 2503101201B were within control limits or below the calculable range.
ST-6-568	3/10/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
WELL K	3/10/2025	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 K	3/10/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
WELL M	3/10/2025	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
WELL M	3/10/2025	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	3/10/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
WW-3-569	3/10/2025	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-3-710	3/10/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
WW-3-710	3/10/2025	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	**3/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the trip blank (2503110730B) at 11.0 ug/L.**
ST-6-678	**3/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2503111147B) at 11.0 ug/L.**
ST-6-678	**3/11/2025**	**For Low LevelSW-846 Method 8260C, for samples 2503110730B, 2503111146B, and 2503111147B, one unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
ST-6-824	**3/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2503111156B) at 11.0 ug/L.**
ST-6-824	**3/11/2025**	**For Low Level SW-846 Method 8260C, for samples 2503111155B and 2503111156B, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
ST-6-970	**3/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2503111211B) at 11.0 ug/L.**
ST-6-970	**3/11/2025**	**For Low Level SW-846 Method 8260C, for samples 2503111210B and 2503111211B, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-3-469	**3/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2503110930Y) at 8.3 ug/L.**
WW-3-469	**3/11/2025**	**For Low Level SW-846 Method 8260C, for samples 2503110930Y and 2503111030Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-3-978	**3/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2503111430Y) at 11.0 ug/L.**
WW-3-978	**3/11/2025**	**For Low Level SW-846 Method 8260C, for samples 2503121315Y and 2503121430Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-42-709	**3/12/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2503121411A) at 12.0 ug/L.**
BLM-42-709	**3/12/2025**	**For Low Level SW-846 Method 8260C, for samples 2503121410A and 2503121411A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B655-EFF-2	**3/13/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2503131231) at 11.0 ug/L.**
B655-EFF-2	**3/13/2025**	**For Low Level SW-846 Method 8260C, for samples 2503131230 and 2503131231, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
B655-INF-2	**3/13/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503131247) at 11.0 ug/L.**
B655-INF-2	**3/13/2025**	**For SW-846 Method 8260C, for samples 2503131246 and 2503131247, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-2-504	**3/13/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503131401A) at 12.0 ug/L.**
PL-2-504	**3/13/2025**	**For SW-846 Method 8260D, PCE (0.96 ug/L), CFC 21 (0.41 ug/L) and CFC 123a (0.27 ug/L) in sample 2503131400A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-2-504	**3/13/2025**	**For SW-846 Method 8260C, for samples 2503131400A and 2503131401A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-8-605	**3/13/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2503130900Y) at 9.6 ug/L.**
PL-8-605	**3/13/2025**	**For Low Level SW-846 Method 8260C, for samples 2503130900Y and 25031301005Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-8-965	**3/13/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2503131400Y) at 11.0 ug/L.**
PL-8-965	**3/13/2025**	**For Low Level SW-846 Method 8260C, analysis was performed on a sample (2503170900Y) with headspace. Headspace-free sample was not available.**
PL-8-965	**3/13/2025**	**For Low Level SW-846 Method 8260C, for samples 2503170900Y and 2503171400Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-1-452	**3/13/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2503130951A) at 10.0 ug/L.**
WW-1-452	**3/13/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the trip blank (2503130730A) at 6.7 ug/L.**
WW-1-452	**3/13/2025**	**For Low Level SW-846 Method 8260C, for samples 2503130730A, 2503130950A, and 2503130951A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B650-EFF-1	**3/14/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2503140552) at 12.0 ug/L.**
B650-EFF-1	**3/14/2025**	**For Low Level SW-846 Method 8260C, for samples 2503140551 and 2503140552, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B650-INF-1	3/14/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2503140605 and 2503140606 were within control limits or below the calculable range.
B650-INF-1	**3/14/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503140607) at 13.0 ug/L.**
B650-INF-1	**3/14/2025**	**For SW-846 Method 8260D, PCE (0.62 ug/L and 0.65 ug/L) in samples 2503140605 and 2503140606 are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
B650-INF-1	**3/14/2025**	**For SW-846 Method 8260C, for sample 2503140605, Silane, methoxytrimethyl- (5.8 ug/L) was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B650-INF-1	**3/14/2025**	**For SW-846 Method 8260C, for samples 2503140605, 2503140606, and 2503140607, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-9-419	**3/14/2025**	**For SW-846 Method 8260D, PCE (0.0.39 ug/L) in sample 2503141310C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-9-419	**3/14/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503141311C) at 12.0 ug/L.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BLM-9-419	**3/14/2025**	**For SW-846 Method 8260C, for samples 2503141310C and 2503141311C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-8-455	**3/17/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2503171035Y) at 9.2 ug/L.**
PL-8-455	**3/17/2025**	**For Low Level SW-846 Method 8260C, for samples 2503171035Y and 2503171255Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-2-489	**3/17/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2503170951C) at 11.0 ug/L.**
WW-2-489	**3/17/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the trip blank (2503170740C) at 9.3 ug/L.**
WW-2-489	**3/17/2025**	**For Low Level SW-846 Method 8260C, for samples 2503170740C, 2503170950C, and 2503170951C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-2-664	**3/17/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2503171406C) at 11.0 ug/L.**
WW-2-664	**3/17/2025**	**For Low Level SW-846 Method 8260C, for samples 2503171405C and 2503171406C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-7-509	**3/18/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2503180925C) at 12.0 ug/L.**
BLM-7-509	**3/18/2025**	**For Low Level SW-846 Method 8260C, for samples 2503180924C and 2503180925C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-8-780	**3/18/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2503180900Y) at 9.7 ug/L.**
PL-8-780	**3/18/2025**	**For Low Level SW-846 Method 8260C, for samples 2503180900Y and 2503181005Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
100-HG-139	**3/19/2025**	**For SW-846 Method 8260C, Unknown was detected in the trip blank (2503190730C) at 7.1 ug/L.**
100-HG-139	3/19/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2503190948C and 2503190949C were within control limits or below the calculable range.
100-HG-139	**3/19/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503190950C) at 11.0 ug/L.**
100-HG-139	3/19/2025	For SW-846 Method 8260C in blind control sample (2503191010C), all recoveries were within standard limits.
100-HG-139	3/19/2025	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.
100-HG-139	**3/19/2025**	**For SW-846 Method 8260C, for samples 2503190730C, 2503190948C, 2503190949C, 2503190950C and 2503191010C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
100-HG-139	**3/19/2025**	**For SW-846 Method 8260D, CFC 123a (0.21 ug/L and 0.21 ug/L) in samples 2503190948C and 2503190949C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
100-HG-139	3/19/2025	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.
600A-001-GW-1	**3/19/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503191251A) at 9.2 ug/L.**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
600A-001-GW-1	3/19/2025	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.
600A-001-GW-1	3/19/2025	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.
600A-001-GW-1	**3/19/2025**	**For SW-846 Method 8260D, CFC 123a (0.34 ug/L) in sample 2503191250A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
600A-001-GW-1	**3/19/2025**	**For SW-846 Method 8260C, for samples 2503191250A and 2503191251A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-D-240	**3/20/2025**	**For SW-846 Method 8260, analyte Tetrachloroethene (PCE) (0.33 ug/L) in sample 2503200925C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
200-D-240	3/20/2025	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.
200-D-240	**3/20/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (210 ug/L), in sample 2503200925C, is the result of a 2-fold dilution.**
200-D-240	3/20/2025	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.
200-D-240	3/20/2025	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.
200-D-240	**3/20/2025**	**For SW-846 Method 8260C, for samples 2503200925C and 2503200926C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-D-240	**3/20/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503200926C) at 8.3 ug/L.**
600A-002-GW-1	**3/20/2025**	**For SW-846 Method 8260, analyte Tetrachloroethene (PCE) (0.39 ug/L) in sample 2503201246A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
600A-002-GW-1	3/20/2025	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.
600A-002-GW-1	3/20/2025	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.
600A-002-GW-1	**3/20/2025**	**For SW-846 Method 8260C, for samples 2503201245A and 2503201246A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
600A-002-GW-1	**3/20/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane was detected in the field blank (2503201246A) at 5.1 ug/L. Tetrachloroethene (PCE) was detected in the field blank (2503201246A) at 0.39 ug/L. Trichloroethene (TCE) was detected in the field**

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		blank (2503201246A) at 16.0 ug/L. Trichlorofluoromethane (CFC 11) was detected in the field blank (2503201246A) at 9.9 ug/L. Unknown was detected in the field blank (2503201246A) at 33.0 ug/L.
BLM-5-527	**3/20/2025**	**For SW-846 Method 8260C, for samples 2503201425C, 2503201426C, and 2503201427C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-5-527	**3/20/2025**	**For SW-846 Method 8260, analyte Tetrachloroethene (PCE) (0.56 ug/L) in sample 2503201425C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-5-527	**3/20/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503201427C) at 8.3 ug/L.**
BLM-5-527	**3/20/2025**	**For SW-846 Method 8260C, field duplicate samples 2503201425C and 2503201426C the relative percent difference for Trichloroethene (182.6%), Trichlorofluoromethane (176.5%), and 1,1,2-Trichloro-1,2,2-Trifluoroethane (156.0%) were outside the upper acceptance limit for relative percent difference of 25%. Affected data are appropriately qualified.**
BLM-5-527	3/20/2025	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.
BLM-5-527	3/20/2025	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.
300-001-GSV	**3/24/2025**	**For SW-846 Method 8260, analyte Chloromethane (0.52 ug/L), CFC 21 (0.21 ug/L), and TCE (0.2 ug/L) in sample 2503241345A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
300-001-GSV	**3/24/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503241346A) at 7.5 ug/L.**
300-001-GSV	**3/24/2025**	**For SW-846 Method 8260C, for samples 2503241345A and 2503241346A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BW-1-268	**3/24/2025**	**For SW-846 Method 8260C, CFC 11 (190 ug/L), in sample 2503240930C, is the result of a 2.5-fold dilution.**
BW-1-268	3/24/2025	For SW-846 Method 8260, 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.
BW-1-268	**3/24/2025**	**For SW-846 Method 8260C, Unknown was detected in the trip blank (2503240730C) at 8.1 ug/L.**
BW-1-268	**3/24/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503240931C) at 7.7 ug/L.**
BW-1-268	**3/24/2025**	**For SW-846 Method 8260C, for samples 2503240730C, 2503240930C and 2503240931C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
300-002-GSV	**3/25/2025**	**For SW-846 Method 8260C, for samples 2503251255A and 2503251256A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
300-002-GSV	**3/25/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2503251256A) at 7.7 ug/L.**
300-002-GSV	**3/25/2025**	**For SW-846 Method 8260, analyte TCE (0.46 ug/L) in sample 2503251255A 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-13-300	3/3/2025	For Modified EPA Method 607, matrix spike recoveries for sample 2503030949A were within laboratory control limits.
B655-INF-2	**3/13/2025**	**For Modified EPA Method 607, field duplicate samples 2503131248 and 2503131249 the relative percent difference for Bromacil was 26.7%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
PL-2-504	**3/13/2025**	**For Modified EPA Method 607, for sample 2503131402A, DMN (0.009 ug/L) and NDMA (0.007 ug/L) are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
WW-1-452	3/13/2025	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2503130952A and 2503130953A were within control limits or below the calculable range.
BLM-9-419	**3/14/2025**	**For Modified EPA Method 607, for sample 2503141312C, DMN (0.008 ug/L) and NDMA (0.008 ug/L) are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-HG-139	**3/19/2025**	**For Modified EPA Method 607 in blind control sample (2503191011C), the percent recovery for Bromacil (38.0%) was outside of the standard limits (50.0-190.0%).**
200-D-240	3/20/2025	For Modified EPA Method 607, there were no detections in the field blank.
600A-002-GW-1	**3/20/2025**	**For Modified EPA Method 607, for sample 2503201247A, Bromacil (0.006 ug/L) was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-5-527	3/20/2025	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2503201428C and 2503201429C were within control limits or below the calculable range.
300-001-GSV	**3/24/2025**	**For Modified EPA Method 607, origianl results for NDMA and DMN in sample 2503241347A exceeded the callibration curve and are rejected due to sample dilution 50-fold for reanalysis. Diluted NDMA and DMN samples are retained and the original samples are maintained in the QA data only.**
300-001-GSV	**3/24/2025**	**For Modified EPA Method 607, sample 2503241347A was diluted 50-fold due to NDMA and DMN exceeding calibration curve in the initial analysis. Original Bromacil 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-13-300	**3/3/2025**	**For Low Level Nitrosamine Method, the method blank (PB25C10AR1) did not contain any positive detections above the MDL. There is a significant EMPC for NDMA at ~5x above the LOQ. This EMPC is observed in the majority of samples in the SDG, ranging from ~ 2-9 x LOQ.**
BLM-13-300	**3/3/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503030751A, 2503030950A, and 2503030951A. Affected data are appropriately qualified.**
BLM-13-300	**3/3/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA in LFB25C10AR1 was above the advisory limit at 209%. This is most likely due to contribution from the EMPC detected in the associated blank.**
BLM-13-300	**3/3/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503030951A) at 2.41 ng/L.**
PL-11-470	**3/3/2025**	**For Low Level Nitrosamine Method, the method blank (PB25C10AR1) did not contain any positive detections above the MDL. There is a significant EMPC for NDMA at ~5x above the LOQ. This EMPC is observed in the majority of samples in the SDG, ranging from ~ 2-9 x LOQ.**
PL-11-470	**3/3/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA in LFB25C10AR1 was above the advisory limit at 209%. This is most likely due to contribution from the EMPC detected in the associated blank.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
PL-11-470	3/3/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503031227B and 2503031228B. Affected data are appropriately qualified.
PL-11-470	3/3/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503031228B) at 2.53 ng/L.
PL-11-530	3/3/2025	For Low Level Nitrosamine Method, the LFB spike recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA in LFB25C10AR1 was above the advisory limit at 209%. This is most likely due to contribution from the EMPC detected in the associated blank.
PL-11-530	3/3/2025	For Low Level Nitrosamine Method, the method blank (PB25C10AR1) did not contain any positive detections above the MDL. There is a significant EMPC for NDMA at ~5x above the LOQ. This EMPC is observed in the majority of samples in the SDG, ranging from ~ 2-9 x LOQ.
PL-11-530	3/3/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503031317B and 2503031318B. Affected data are appropriately qualified.
PL-11-530	3/3/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503031318B) at 2.53 ng/L.
PL-11-710	3/4/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503041202B and 2503041203B. Affected data are appropriately qualified.
PL-11-710	3/4/2025	For Low Level Nitrosamine Method, DMN (0.43 ng/L) in sample 2503041202B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.
PL-11-710	3/4/2025	For Low Level Nitrosamine Method, the LFB spike recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA in LFB25C10AR1 was above the advisory limit at 209%. This is most likely due to contribution from the EMPC detected in the associated blank.
PL-11-710	3/4/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503041203B) at 2.82 ng/L.
PL-11-710	3/4/2025	For Low Level Nitrosamine Method, the method blank (PB25C10AR1) did not contain any positive detections above the MDL. There is a significant EMPC for NDMA at ~5x above the LOQ. This EMPC is observed in the majority of samples in the SDG, ranging from ~ 2-9 x LOQ.
PL-11-820	3/4/2025	For Low Level Nitrosamine Method, the method blank (PB25C10AR1) did not contain any positive detections above the MDL. There is a significant EMPC for NDMA at ~5x above the LOQ. This EMPC is observed in the majority of samples in the SDG, ranging from ~ 2-9 x LOQ.
PL-11-820	3/4/2025	For Low Level Nitrosamine Method, the LFB spike recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA in LFB25C10AR1 was above the advisory limit at 209%. This is most likely due to contribution from the EMPC detected in the associated blank.
PL-11-820	3/4/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503041227B and 2503041228B. Affected data are appropriately qualified.
PL-11-820	3/4/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503041228B) at 2.93 ng/L.
PL-11-980	3/4/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503041257B, 2503041258B, and 2503041259B. Affected data are appropriately qualified.
PL-11-980	3/4/2025	For Low Level Nitrosamine Method, the LFB spike recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA in LFB25C10AR1 was above the advisory limit at 209%. This is most likely due to contribution from the EMPC detected in the associated blank.

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
PL-11-980	**3/4/2025**	**For Low Level Nitrosamine Method, the method blank (PB25C10AR1) did not contain any positive detections above the MDL. There is a significant EMPC for NDMA at ~5x above the LOQ. This EMPC is observed in the majority of samples in the SDG, ranging from ~ 2-9 x LOQ.**
PL-11-980	**3/4/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503041259B) at 2.01 ng/L.**
PL-11-980	**3/4/2025**	**For Low Level Nitrosamine Method, field duplicate samples 2503041257B and 2503041258B the relative percent difference for N-Nitrosodimethylamine was 29.5%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
PL-4-464	**3/5/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503050918A, 2503050919A, and 2503041259B. Affected data are appropriately qualified.**
PL-4-464	**3/5/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA in LFB25C10AR1 was above the advisory limit at 209%. This is most likely due to contribution from the EMPC detected in the associated blank.**
PL-4-464	**3/5/2025**	**For Low Level Nitrosamine Method, the method blank (PB25C10AR1) did not contain any positive detections above the MDL. There is a significant EMPC for NDMA at ~5x above the LOQ. This EMPC is observed in the majority of samples in the SDG, ranging from ~ 2-9 x LOQ.**
PL-4-464	**3/5/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503050919A) at 1.37 ng/L.**
ST-4-481	**3/5/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503051423A) at 1.25 ng/L.**
ST-4-481	**3/5/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2503050731A) at 2.02 ng/L.**
ST-4-481	3/5/2025	For Low Level Nitrosamine Method, matrix spike recoveries for sample 2503051424A were within laboratory control limits.
ST-4-481	**3/5/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503050731A, 2503051422A and 2503051423A. Affected data are appropriately qualified.**
ST-4-481	**3/5/2025**	**For Low Level Nitrosamine Method, the Spike recoveries in the MS and MSD were within the acceptance limits of 70-130% for both compounds. Relative precent difference (RPD) between the MS (2503051424A) and MSD (2503051424A) slightly exceeded the acceptance limit of 20% for both compounds.**
ST-4-481	**3/5/2025**	**For Low Level Nitrosamine Method, the LFB spike recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA in LFB25C10AR1 was above the advisory limit at 209%. This is most likely due to contribution from the EMPC detected in the associated blank.**
ST-4-481	**3/5/2025**	**For Low Level Nitrosamine Method, the method blank (PB25C10AR1) did not contain any positive detections above the MDL. There is a significant EMPC for NDMA at ~5x above the LOQ. This EMPC is observed in the majority of samples in the SDG, ranging from ~ 2-9 x LOQ.**
BLM-42-569	3/6/2025	For Low Level Nitrosamine Method in blind control sample (2503061056A), all recoveries were within standard limits.
BLM-42-569	3/6/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
BLM-42-569	3/6/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
BLM-42-569	**3/6/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25C13AR2) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was slightly above the advisory limit at 131%.**
ST-6-528	**3/10/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503101148B) at 0.47 ng/L.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
ST-6-528	**3/10/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503101147B and 2503101148B. Affected data are appropriately qualified.**
ST-6-528	**3/10/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25C13AR2) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was slightly above the advisory limit at 131%.**
ST-6-568	3/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
ST-6-568	**3/10/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503101203B. Affected data are appropriately qualified.**
ST-6-568	**3/10/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25C13AR2) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was slightly above the advisory limit at 131%.**
WELL K	**3/10/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25C13AR2) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was slightly above the advisory limit at 131%.**
WELL K	3/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WELL M	3/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WELL M	**3/10/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25C13AR2) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was slightly above the advisory limit at 131%.**
WW-3-569	**3/10/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25C13AR2) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was slightly above the advisory limit at 131%.**
WW-3-569	**3/10/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2503100931Y) at 6.27 ng/L.**
WW-3-569	**3/10/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for sample 2503100931Y and 2503101141Y. Affected data are appropriately qualified.**
WW-3-710	3/10/2025	For Low Level Nitrosamine Method, there were no detections in the equipment blank.
WW-3-710	**3/10/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25C13AR2) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was slightly above the advisory limit at 131%. Affected data appropriately qaulified.**
ST-6-678	**3/11/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503111149B) at 0.82 ng/L.**
ST-6-678	**3/11/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2503110731B) at 0.83 ng/L.**
ST-6-678	**3/11/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503110731B, 2503111148B, and 2503111149B. Affected data are appropriately qualified.**
ST-6-678	**3/11/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25C18JZ1) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was above the advisory limit at 143%. This is likely due to the EMPC observed in the blank.**
ST-6-678	**3/11/2025**	**For Low Level Nitrosamine Method, the method blank (PB25C18JZ1) did not contain any positive detections above the MDL. There is an EMPC for NDMA at ~2x LOQ.**
ST-6-824	**3/11/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503111158B) at 0.8 ng/L.**
ST-6-824	**3/11/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC for NDMA at ~2x LOQ.**
ST-6-824	**3/11/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503111157B and 2503111158B. Affected data are appropriately qualified.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
ST-6-824	**3/11/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25C18JZ1) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was above the advisory limit at 143%. This is likely due to the EMPC observed in the blank.**
ST-6-970	**3/11/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503111213B) at 0.54 ng/L.**
ST-6-970	**3/11/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503111212B and 2503111213B. Affected data are appropriately qualified.**
ST-6-970	**3/11/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25C18JZ1) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was above the advisory limit at 143%. This is likely due to the EMPC observed in the blank.**
ST-6-970	**3/11/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC for NDMA at ~2x LOQ.**
WW-3-469	**3/11/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2503110931Y) at 1.15 ng/L.**
WW-3-469	**3/11/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503110931Y and 2503111032Y. Affected data are appropriately qualified.**
WW-3-469	**3/11/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25C18JZ1) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was above the advisory limit at 143%. This is likely due to the EMPC observed in the blank.**
WW-3-469	**3/11/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC for NDMA at ~2x LOQ.**
WW-3-978	**3/11/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2503111431Y) at 0.71 ng/L.**
WW-3-978	**3/11/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503111431Y and 2503121317Y. Affected data are appropriately qualified.**
WW-3-978	**3/11/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25C18JZ1) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was above the advisory limit at 143%. This is likely due to the EMPC observed in the blank.**
WW-3-978	**3/11/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC for NDMA at ~2x LOQ.**
BLM-42-709	**3/12/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503121413A) at 0.93 ng/L.**
BLM-42-709	**3/12/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2503121245A) at 0.68 ng/L.**
BLM-42-709	**3/12/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25C18JZ1) recovery was within the advisory limit of 70-130% for DMN. Recovery for NDMA was above the advisory limit at 143%. This is likely due to the EMPC observed in the blank.**
BLM-42-709	**3/12/2025**	**For Low Level Nitrosamine Method, the blank did not contain any positive detections above the MDL. There is an EMPC for NDMA at ~2x LOQ.**
BLM-42-709	**3/12/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503121245A, 2503121412A and 2503121413A. Affected data are appropriately qualified.**
B655-EFF-2	3/13/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-2-504	3/13/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-8-605	3/13/2025	For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2503131006Y and 2503131035Y were within control limits or below the calculable range.
PL-8-605	3/13/2025	For Low Level Nitrosamine Method, there were no detections in the equipment blank.
PL-8-965	**3/13/2025**	**For Low Level Nitrosamine Method, the LCS spike (LCS25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.**
PL-8-965	3/13/2025	For Low Level Nitrosamine Method, there were no detections in the equipment blank.

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
PL-8-965	**3/13/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.**
PL-8-965	**3/13/2025**	**For Low Level Nitrosamine Method, the method blank (PB25C24JZ1) did not contain any positive detections above the MDL. There was an EMPC present for NDMA at > 2x LOQ. This EMPC appears in the other QC and several samples in the SDG, suggesting possible contamination of the batch. It resulted in elevated NDMA spike recoveries in the LFB and LCS, and any positive detections in the samples should also be considered as biased high.**
PL-8-965	**3/13/2025**	**For Low Level Nitrosamine Method, the internal standard recoveries for N-Nitrosodimethylamine-d6 (NDMA-d6) and NNitrodimethylamine-d6 (DMN-d6) were within the advisory QC limits of 10-100% for all samples and QC with the exception of sample 2503170902Y (PL-8-965), which had a recovery for NDMA-d6 of 7.70%. The EMPC observed in the method blank (PB25C24JZ1) was also seen in this sample at ~ 2.5x LOQ, so the possible impact of the lower recovery is unknown.**
PL-8-965	**3/13/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503170902Y. Affected data are appropriately qualified.**
WW-1-452	3/13/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-1-452	3/13/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
B650-EFF-1	3/14/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
BLM-9-419	3/14/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
BLM-9-419	**3/14/2025**	**For Low Level Nitrosamine Method, field duplicate samples 2503141313C and 2503141314C the relative percent difference for N-Nitrosodimethylamine was 64.7%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
BLM-9-419	**3/14/2025**	**For Low Level Nitrosamine Method, field duplicate samples 2503141313C and 2503141314C the relative percent difference for N-Nitrodimethylamine was 68.5%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
PL-8-455	**3/17/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2503171036Y) at 1.94 ng/L.**
PL-8-455	**3/17/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503171256Y. Affected data are appropriately qualified.**
PL-8-455	**3/17/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.**
PL-8-455	**3/17/2025**	**For Low Level Nitrosamine Method, the method blank (PB25C24JZ1) did not contain any positive detections above the MDL. There was an EMPC present for NDMA at > 2x LOQ. This EMPC appears in the other QC and several samples in the SDG, suggesting possible contamination of the batch. It resulted in elevated NDMA spike recoveries in the LFB and LCS, and any positive detections in the samples should also be considered as biased high.**
PL-8-455	**3/17/2025**	**For Low Level Nitrosamine Method, the LCS spike (LCS25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.**
WW-2-489	**3/17/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503170954C) at 1.03 ng/L.**
WW-2-489	**3/17/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the trip blank (2503170741C) at 1.06 ng/L.**
WW-2-489	**3/17/2025**	**For Low Level Nitrosamine Method, the method blank (PB25C24JZ1) did not contain any positive detections above the MDL. There was an EMPC present for NDMA at > 2x LOQ. This EMPC appears in the other QC and several samples in the SDG, suggesting possible contamination of the batch. It resulted in elevated NDMA spike recoveries in the LFB and LCS, and any positive detections in the samples should also be considered as biased high.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
WW-2-489	3/17/2025	For Low Level Nitrosamine Method, the LCS spike (LCS25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.
WW-2-489	3/17/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.
WW-2-489	3/17/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503170741C, 2503170953C, and 2503170954C. Affected data are appropriately qualified.
WW-2-664	3/17/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503171409C) at 1.03 ng/L.
WW-2-664	3/17/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503171408C and 2503171409C. Affected data are appropriately qualified.
WW-2-664	3/17/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.
WW-2-664	3/17/2025	For Low Level Nitrosamine Method, the method blank (PB25C24JZ1) did not contain any positive detections above the MDL. There was an EMPC present for NDMA at > 2x LOQ. This EMPC appears in the other QC and several samples in the SDG, suggesting possible contamination of the batch. It resulted in elevated NDMA spike recoveries in the LFB and LCS, and any positive detections in the samples should also be considered as biased high.
WW-2-664	3/17/2025	For Low Level Nitrosamine Method, the LCS spike (LCS25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.
BLM-7-509	3/18/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2503180928C) at 1.04 ng/L.
BLM-7-509	3/18/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.
BLM-7-509	3/18/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503180927C and 2503180928C. Affected data are appropriately qualified.
BLM-7-509	3/18/2025	For Low Level Nitrosamine Method, the method blank (PB25C24JZ1) did not contain any positive detections above the MDL. There was an EMPC present for NDMA at > 2x LOQ. This EMPC appears in the other QC and several samples in the SDG, suggesting possible contamination of the batch. It resulted in elevated NDMA spike recoveries in the LFB and LCS, and any positive detections in the samples should also be considered as biased high.
BLM-7-509	3/18/2025	For Low Level Nitrosamine Method, the LCS spike (LCS25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.
PL-8-780	3/18/2025	For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2503180901Y) at 1.86 ng/L.
PL-8-780	3/18/2025	For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2503180901Y and 2503181007Y. Affected data are appropriately qualified.
PL-8-780	3/18/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.
PL-8-780	3/18/2025	For Low Level Nitrosamine Method, the method blank (PB25C24JZ1) did not contain any positive detections above the MDL. There was an EMPC present for NDMA at > 2x LOQ. This EMPC appears in the other QC and several samples in the SDG, suggesting possible contamination of the batch. It resulted in elevated NDMA spike recoveries in

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
		the LFB and LCS, and any positive detections in the samples should also be considered as biased high.
PL-8-780	**3/18/2025**	**For Low Level Nitrosamine Method, the LCS spike (LCS25C24JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA due to the EMPC contamination observed in the blank.**

Well ID	Event Date	SW-846 Method 8270E QA Narratives
BLM-13-300	3/3/2025	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-13-300	3/3/2025	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.
BLM-13-300	3/3/2025	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.
BLM-13-300	3/3/2025	For SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (55-129%) was exceeded for Indeno(1,2,3-cd)pyrene (54%). 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 could not be performed because insufficient sample remained for testing. The analytes affected are flagged in the LCS Summary.
600A-001-GW-1	3/19/2025	For SW-846 Method 8270E, the lower control limit (57-117%) for the spike recovery of the Laboratory Control Sample (RQ2503218-02) was exceeded for Benzo(b)fluoranthene (56%). 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	**3/19/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (320 ug/L) and Cyclohexane (14 ug/L) were detected in the method blank.**
600A-002-GW-1	3/20/2025	For SW-846 Method 8270E, the lower control limit (57-117%) for the spike recovery of the Laboratory Control Sample (RQ2503218-02) was exceeded for Benzo(b)fluoranthene (56%). 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	**3/20/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (320 ug/L) and Cyclohexane (14 ug/L) were detected in the method blank.**
600A-002-GW-1	**3/20/2025**	**For SW-846 Method 8270E, for samples 2503201248A, multiple analytes are tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
600A-002-GW-1	**3/20/2025**	**For SW-846 Method 8270E, analyte Acetophenone (3.7 ug/L) in sample 2503201248A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
300-001-GSV	3/24/2025	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.
300-001-GSV	3/24/2025	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.

Well ID	Event Date	SW-846 Method 8270E QA Narratives
300-001-GSV	3/24/2025	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.
300-001-GSV	3/24/2025	For SW-846 Method 8270, due to laboratory error sample several analytes for sample 2503241355A was incorrectly reported for well "300-002-GSV". Analytes indentified with R2503124-008 laboratory ID are incorrectly identified in the analytical report R2503124 and the associated EDD file. The well was corrected to "300-001-GSV" to match the chain of custody and the logbook accordingly. No further action taken.
300-001-GSV	3/24/2025	For SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (RQ2503392-02) was exceeded for multiple 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 could not be performed because insufficient sample remained for testing. The analytes affected are flagged in the LCS Summary.
300-001-GSV	**3/24/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (350 ug/L) and Cyclohexane (13 ug/L) were detected in the method blank.**
300-001-GSV	**3/24/2025**	**For SW-846 Method 8270E, for samples 2503201248A, multiple analytes are tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
300-002-GSV	**3/25/2025**	**For SW-846 Method 8270E, for samples 2503251258A, multiple analytes are tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
300-002-GSV	3/25/2025	For SW-846 Method 8270E, the lower control limit for the spike recovery of the Laboratory Control Sample (RQ2503392-02) was exceeded for multiple 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 could not be performed because insufficient sample remained for testing. The analytes affected are flagged in the LCS Summary.
300-002-GSV	3/25/2025	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	3/25/2025	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.
300-002-GSV	**3/25/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (350 ug/L) and Cyclohexane (13 ug/L) were detected in the method blank.**
300-002-GSV	3/25/2025	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.

Well ID	Event Date	Total Metals QA Narratives
BLM-13-300	**3/3/2025**	**For Total Metals, multiple analyte results in samples 2503030954A were estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-4-464	**3/5/2025**	**For Total Metals, multiple analyte results in samples 2503050920A was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
ST-4-481	**3/5/2025**	**For Total Metals, multiple analyte results in sample 2503051426A was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-3-569	3/10/2025	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

Well ID	Event Date	Total Metals QA Narratives
		equates to a potential high bias, the data quality was not ignificantly affected and no further corrective action was taken.
WW-3-569	**3/10/2025**	**For Total Metals, multiple analyte results in samples 2503101142Y was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-3-569	**3/10/2025**	**For Total Metals, Copper (0.005 mg/L) and Zinc (0.004 mg/L) were detected in the method blank for analytical batch R2502480-MB. Affected data are appropriately qualified.**
WW-3-710	**3/10/2025**	**For Total Metals, multiple analyte results in samples 2503111300Y was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-3-710	**3/10/2025**	**For Total Metals, multiple analyte results in samples 2503101428Y was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-3-710	3/10/2025	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 ignificantly affected and no further corrective action was taken.
WW-3-710	**3/10/2025**	**For Total Metals, Magnesium, Total was detected in the equipment blank (2503101322Y) at 0.07 mg/L. Strontium, Total was detected in the equipment blank (2503101322Y) at 0.004 mg/L. Zinc, Total was detected in the equipment blank (2503101322Y) at 0.003 mg/L.**
WW-3-710	**3/10/2025**	**For Total Metals, Copper (0.005 mg/L) and Zinc (0.004 mg/L) were detected in the method blank for analytical batch R2502480-MB. Affected data are appropriately qualified.**
WW-3-978	**3/11/2025**	**For Total Metals, multiple analyte results in samples 2503121345Y was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-8-605	**3/13/2025**	**For Total Metals, multiple analyte results in samples 2503131310Y was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-8-965	**3/13/2025**	**For Total Metals, when analyzed without dilution, the concentration of Total Nickel (0.066 mg/L) in sample 2503170940Y 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. Affected data qualified accordingly.**
PL-8-965	**3/13/2025**	**For Total Metals, multiple analyte results in samples 2503170940Y was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-1-452	**3/13/2025**	**For Total Metals, multiple analyte results in samples 2503130956A was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-8-455	**3/17/2025**	**For Total Metals, multiple analyte results in samples 2503171340Y was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-2-489	**3/17/2025**	**For Total Metals, multiple analyte results in samples 2503170955C was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
WW-2-664	**3/17/2025**	**For Total Metals, multiple analyte results in samples 2503171410C was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-7-509	**3/18/2025**	**For Total Metals, multiple analyte results in samples 2503180929C and 2503180930C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-7-509	3/18/2025	For Total Metals, relative percent differences (RPD) for duplicate samples 2503180929C and 2503180930C were within control limits or below the calculable range.
PL-8-780	**3/18/2025**	**For Total Metals, multiple analyte results in samples 2503181030Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-HG-139	**3/19/2025**	**For Total Metals, multiple analyte results in samples 2503190952C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-HG-139	3/19/2025	For Total Metals, there were no detections in the field blank.

Well ID	Event Date	Total Metals QA Narratives
100-HG-139	**3/19/2025**	**For Total Metals in blind control sample (2503191012C), the percent recovery for Boron (66.7%) 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%).**
600A-001-GW-1	**3/19/2025**	**For Total Metals, multiple analyte results in samples 2503191310A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
200-D-240	**3/20/2025**	**For Total Metals, multiple analyte results in samples 2503200929C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
600A-002-GW-1	**3/20/2025**	**For Total Metals, multiple analyte results in samples 2503201255A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-001-GSV	**3/24/2025**	**For Total Metals, multiple analyte results in samples 2503241400A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BW-1-268	3/24/2025	For Total Metals, matrix spike recoveries for sample 2503240934C were within laboratory control limits.
BW-1-268	**3/24/2025**	**For Total Metals, multiple analyte results in samples 2503240933C and 2503240934C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
300-002-GSV	**3/25/2025**	**For Total Metals, multiple analyte results in samples 2503251259A 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-13-300	3/3/2025	For SW-846 Method 8015C, the lower control limit (31-99%) for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for DRO as C10-C28 Alkanes (30%). 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-3-978	**3/11/2025**	**For EPA Method 6850, analyte Perchlorate (0.13 ug/L) result in sample 2503121348Y was estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-8-780	3/18/2025	For SW-846 Method 6850, due to an incorrect entry into the computer logbook, sample 2503181052Y was incorrectly recorded for well "700-H-535", the correct well ID is "PL-8-780". The database was corrected to match the field logbook, chain of custody, and laboratory report. No further action taken.
300-001-GSV	3/24/2025	For EPA Method 353.2, due to laboratory error sample 2503241440A was incorrectly reported for well "300-002-GSV". The well is incorrectly identified in the analytical report R2503124 and the associated EDD file. The well was corrected to "300-001-GSV" to match the chain of custody and the logbook accordingly. No further action taken.
100-D-176	3/25/2025	For EPA Method 300.0, there were no detections in the field blank.
100-D-176	**3/25/2025**	**For EPA Method 351.2, Nitrogen, Total Kjeldahl (TKN) was detected in the field blank (2503250938C) at 0.26 ug/L.**
100-D-176	3/25/2025	For EPA Method 353.2, there were no detections in the field blank.
100-D-176	**3/25/2025**	**For Standard Method 2540C, Total Dissolved Solids (TDS) was detected in the field blank (2503250936C) at 1830.0 ug/L.**
300-002-GSV	**3/25/2025**	**For SW-846 Method 6850, analyte Perchlorate (0.11 ug/L) in sample 2503251302A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
200-I-300	3/26/2025	For Anions, due to a technician error in the field, the analytical sample IDs for 200-I-300 end in "A" and the water quality IDs end in "Y". Sample event IDs for 200-I-300 in the database have been corrected to match the database. No further action taken.
NASA 10	3/26/2025	For EPA Method chloride, sample containers were switched during sample collection. Sample 2503261421C NASA 10 for TKN was received in a unpreserved container and it is supposed to be preserved. Sample 2503261422C NASA 10 for Chloride was received in a preserved container and it is supposed to be unpreserved. The laboratory will switch the analysis to match the analyses to the appropriate presevatative.

Well ID	Event Date	Miscellaneous QA Narratives
NASA 10	**3/26/2025**	**For EPA Method 351.2, the lower control limit (90-110%) for the spike recovery of sample (R2503319-014MS) was exceeded for TKN (84%). Affected data qualified accordingly.**
NASA 10	3/26/2025	EPA Method 351.2, Nitrogen, Total Kjeldahl (TKN), sample containers were switched during sample collection. Sample 2503261421C NASA 10 for TKN was received in a unpreserved container and it is supposed to be preserved. Sample 2503261422C NASA 10 for Chloride was received in a preserved container and it is supposed to be unpreserved. The laboratory will switch the analysis to match the analyses to the appropriate presevatative.

Table 8 – WSTF Blank Sample Detections

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
BLM-13-300	03-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	2.56	ng/L	A K RB FB
BLM-13-300	03-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.41	ng/L	A K RB FB
PL-11-470	03-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.53	ng/L	A K RB FB
PL-11-530	03-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.53	ng/L	A K RB FB
PL-11-710	04-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.82	ng/L	A K RB FB
PL-11-820	04-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.93	ng/L	A K RB FB
PL-11-980	04-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.01	ng/L	A K RB FB
PL-4-464	05-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.37	ng/L	A K RB FB
ST-4-481	05-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	2.02	ng/L	A K RB TB FB
ST-4-481	05-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.25	ng/L	A K RB TB FB
BLM-42-569	06-Mar-25	Carboy G1	8260_LL	VOA-FB	108-88-3	Toluene	0.21	ug/L	J FB
ST-6-528	10-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.47	ng/L	A J K FB
WW-3-569	10-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	6.27	ng/L	A EB
WW-3-710	10-Mar-25	Carboy G1	METALS	METALS-EB	7439-95-4	Magnesium, Total	0.07	mg/L	J EB
WW-3-710	10-Mar-25	Carboy G1	METALS	METALS-EB	7440-24-6	Strontium, Total	0.004	mg/L	J EB
WW-3-710	10-Mar-25	Carboy G1	METALS	METALS-EB	7440-66-6	Zinc, Total	0.003	mg/L	J RB EB
ST-6-678	11-Mar-25	Carboy G1	8260_LL	VOA-FB	TIC	Unknown	11	ug/L	J TIC
ST-6-678	11-Mar-25	Carboy G1	8260_LL	VOA-TB	TIC	Unknown	11	ug/L	J TIC
ST-6-678	11-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	0.83	ng/L	A K RB TB FB
ST-6-678	11-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.82	ng/L	A RB TB FB
ST-6-824	11-Mar-25	Carboy G1	8260_LL	VOA-FB	TIC	Unknown	11	ug/L	J TIC
ST-6-824	11-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.8	ng/L	A K RB FB
ST-6-970	11-Mar-25	Carboy G1	8260_LL	VOA-FB	TIC	Unknown	11	ug/L	J TIC
ST-6-970	11-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.54	ng/L	A K RB FB
WW-3-469	11-Mar-25	Carboy G2	8260_LL	VOA-EB	TIC	Unknown	8.3	ug/L	J TIC
WW-3-469	11-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	1.15	ng/L	A K RB EB
WW-3-978	11-Mar-25	Carboy G2	8260_LL	VOA-EB	TIC	Unknown	11	ug/L	J TIC
WW-3-978	11-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.71	ng/L	A K RB EB
BLM-42-709	12-Mar-25	Carboy G1	8260_LL	VOA-FB	TIC	Unknown	12	ug/L	J TIC
BLM-42-709	12-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.93	ng/L	A K RB TB FB
BLM-42-709	12-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	0.68	ng/L	A K RB TB FB

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
B655-EFF-2	13-Mar-25	Carboy PF1	8260_LL	VOA-FB	TIC	Unknown	11	ug/L	J TIC
B655-INF-2	13-Mar-25	Carboy PF1	8260	VOA-FB	TIC	Unknown	11	ug/L	J TIC
PL-2-504	13-Mar-25	Carboy G1	8260	VOA-FB	TIC	Unknown	12	ug/L	J TIC
PL-8-605	13-Mar-25	Carboy G1	8260_LL	VOA-EB	TIC	Unknown	9.6	ug/L	J TIC
PL-8-965	13-Mar-25	Carboy G2	8260_LL	VOA-EB	TIC	Unknown	11	ug/L	J TIC
WW-1-452	13-Mar-25	Carboy G1	8260_LL	VOA-FB	TIC	Unknown	10	ug/L	J TIC
WW-1-452	13-Mar-25	Carboy G1	8260_LL	VOA-TB	TIC	Unknown	6.7	ug/L	J TIC
B650-EFF-1	14-Mar-25	Carboy PF1	8260_LL	VOA-FB	TIC	Unknown	12	ug/L	J TIC
B650-INF-1	14-Mar-25	Carboy PF1	8260	VOA-FB	TIC	Unknown	13	ug/L	J TIC
BLM-9-419	14-Mar-25	Carboy G1	8260	VOA-FB	TIC	Unknown	12	ug/L	J TIC
PL-8-455	17-Mar-25	Carboy G3	8260_LL	VOA-EB	TIC	Unknown	9.2	ug/L	J TIC
PL-8-455	17-Mar-25	Carboy G3	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	1.94	ng/L	A RB EB
WW-2-489	17-Mar-25	Carboy G2	8260_LL	VOA-FB	TIC	Unknown	11	ug/L	J TIC
WW-2-489	17-Mar-25	Carboy G2	8260_LL	VOA-TB	TIC	Unknown	9.3	ug/L	J TIC
WW-2-489	17-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	1.06	ng/L	A K RB TB FB
WW-2-489	17-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.03	ng/L	A K RB TB FB
WW-2-664	17-Mar-25	Carboy G2	8260_LL	VOA-FB	TIC	Unknown	11	ug/L	J TIC
WW-2-664	17-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.03	ng/L	A K RB FB
BLM-7-509	18-Mar-25	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	12	ug/L	J TIC
BLM-7-509	18-Mar-25	Carboy G3	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.04	ng/L	A K RB FB
PL-8-780	18-Mar-25	Carboy G3	8260_LL	VOA-EB	TIC	Unknown	9.7	ug/L	J TIC
PL-8-780	18-Mar-25	Carboy G3	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	1.86	ng/L	A RB EB
100-HG-139	19-Mar-25	Carboy G3	8260	VOA-FB	TIC	Unknown	11	ug/L	J TIC
100-HG-139	19-Mar-25	Carboy G3	8260	VOA-TB	TIC	Unknown	7.1	ug/L	J TIC
600A-001-GW-1	19-Mar-25	Carboy G1	8260	VOA-FB	TIC	Unknown	9.2	ug/L	J TIC
200-D-240	20-Mar-25	Carboy G3	8260	VOA-FB	TIC	Unknown	8.3	ug/L	J TIC
600A-002-GW-1	20-Mar-25	Carboy G1	8260	VOA-FB	TIC	Unknown	33	ug/L	J TIC
600A-002-GW-1	20-Mar-25	Carboy G1	8260	VOA-FB	79-01-6	Trichloroethene (TCE)	16	ug/L	FB
600A-002-GW-1	20-Mar-25	Carboy G1	8260	VOA-FB	75-69-4	Trichlorofluoromethane (CFC 11)	9.9	ug/L	FB
600A-002-GW-1	20-Mar-25	Carboy G1	8260	VOA-FB	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	5.1	ug/L	FB
600A-002-GW-1	20-Mar-25	Carboy G1	8260	VOA-FB	127-18-4	Tetrachloroethene (PCE)	0.39	ug/L	J FB

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
BLM-5-527	20-Mar-25	Carboy G3	8260	VOA-FB	TIC	Unknown	8.3	ug/L	J TIC
300-001-GSV	24-Mar-25	Carboy G1	8260	VOA-FB	TIC	Unknown	7.5	ug/L	J TIC
BW-1-268	24-Mar-25	Carboy G3	8260	VOA-TB	TIC	Unknown	8.1	ug/L	J TIC
BW-1-268	24-Mar-25	Carboy G3	8260	VOA-FB	TIC	Unknown	7.7	ug/L	J TIC
100-D-176	25-Mar-25	DP-392	SM2540C	TDS-FB	NA	Total Dissolved Solids (TDS)	1830	mg/L	FB
100-D-176	25-Mar-25	DP-392	351.2	TKN-FB	7727-37-9	Nitrogen, Total Kjeldahl (TKN)	0.26	mg/L	FB
300-002-GSV	25-Mar-25	Carboy G1	8260	VOA-FB	TIC	Unknown	7.7	ug/L	J TIC
BLM-13-300	03-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-TB	62-75-9	N-Nitrosodimethylamine	2.56	ng/L	A K RB FB
BLM-13-300	03-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.41	ng/L	A K RB FB
PL-11-470	03-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.53	ng/L	A K RB FB
PL-11-530	03-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.53	ng/L	A K RB FB
PL-11-710	04-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.82	ng/L	A K RB FB
PL-11-820	04-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.93	ng/L	A K RB FB
PL-11-980	04-Mar-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	2.01	ng/L	A K RB FB
PL-4-464	05-Mar-25	Carboy G1	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	1.37	ng/L	A K RB FB

National Aeronautics and Space Administration



Quality Assurance Report for White Sands Test Facility Groundwater Monitoring Data

April 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 April 2025.
- The quantity and type of quality control samples collected or prepared in April 2025.
- Quality control sample percentages in annual period immediately preceding and during April 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

Select sample results for low-level Nitrosamines in Batch HR-985 have been flagged for rejection as the samples went dry during the concentration step at the analytical laboratory. As a result, several samples were rejected by the laboratory due to the potential for false non-detect results. Affected samples are listed in the table below.

Well	Sample ID	Sample Type	Resampled
B650-EFF-1	2504110554	Field Blank	N/A
JP-1-424	**2504141012C**	**Sample**	**Yes**
JP-1-424	2504141013C	Field Blank	N/A
JP-2-447	2504141442C	Field Blank	N/A
JP-2-447	2504141441C	Matrix Spike Duplicate	N/A
JP-2-447	**2504141439C**	**Sample**	**Yes**
PFE-7	2504140930	Field Blank	N/A
PFE-7	2504140929	Sample Duplicate	N/A
PL-10	2504140846Y	Equipment Blank	N/A
WW-5	**2504111137B**	**Sample**	**Yes**
WW-5	2504111203B	Field Blank	N/A

There were no other notable anomalies in the groundwater data associated with the April 2025 QAR.

3.0 Data Tables

Table 1 summarizes the groundwater sample events initiated in April 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 April 2025

Well ID	Event Date
BLM-39-560	4/1/2025
BLM-39-385	4/2/2025
BLM-6-488	4/2/2025
PL-6-725	4/2/2025
BLM-40-517	4/3/2025
PL-6-545	4/3/2025
700-D-186	4/7/2025
700-H-670	4/7/2025
700-J-200	4/7/2025
ST-7-544	4/7/2025
ST-7-779	4/7/2025
ST-7-970	4/7/2025
WELL K	4/7/2025
WELL M	4/7/2025
700-A-253	4/8/2025
700-H-350	4/8/2025
700-H-535	4/8/2025
BLM-14-327	4/8/2025
JER-1-483	4/8/2025
JER-1-563	4/8/2025
JER-1-683	4/8/2025
PFE-3	4/8/2025
PFE-4A	4/8/2025
BLM-40-595	4/9/2025
JER-2-504	4/9/2025
JER-2-584	4/9/2025
JER-2-684	4/9/2025
PFE-1	4/9/2025
PFE-2	4/9/2025
PFE-5	4/9/2025
B655-EFF-2	4/10/2025
B655-INF-2	4/10/2025
JP-3-509	4/10/2025
JP-3-689	4/10/2025
PL-10-813	4/10/2025
PL-10-962	4/10/2025
WW-5-459	4/10/2025
WW-5-579	4/10/2025
B650-EFF-1	4/11/2025
B650-INF-1	4/11/2025
BLM-40-688	4/11/2025
WW-5-809	4/11/2025
WW-5-909	4/11/2025
600A-003-GW	4/14/2025
JP-1-424	4/14/2025
JP-2-447	4/14/2025
PFE-7	4/14/2025
PL-10-484	4/14/2025
PL-10-592	4/14/2025
BLM-10-517	4/15/2025
PL-1-486	4/15/2025
BLM-41-420	4/16/2025
BLM-41-670	4/16/2025
BW-3-180	4/16/2025
400-FV-131	4/17/2025
400-HV-147	4/17/2025
600A-004-GW	4/17/2025
100-001-GW	4/21/2025
600C-005-GW	4/21/2025
200-B-240	4/28/2025

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	**16**	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**32**	**1**	**1**	0	**1**	**3**	0
Perchlorate by SW-846 Method 6850	**21**	0	0	0	0	0	0
Pesticides by SW-846 Method 8081	**1**	0	0	0	0	0	0
PCBs by SW-846 Method 8082	**1**	0	0	0	0	0	0
Herbicides by SW-846 Method 8151	**1**	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**26**	**22**	**4**	**4**	0	**4**	0
Low Level Volatile Organics by SW-846 Method 8260C	**34**	**28**	**6**	**5**	**1**	**1**	**1**

Method	Samples	Field Blanks	Equip Blanks	Trip Blanks	Blind Controls	Duplicates	Matrix Spikes
Semi-Volatile Organics by SW-846 Method 8270D	**16**	0	0	0	0	0	0
Dioxins/Furans by SW-846 Method 8290	**1**	0	0	0	0	0	0
Cyanide by SW-846 Method 9012B	**1**	0	0	0	0	0	0
Sulfide by SW-846 Method 9030	**1**	0	0	0	0	0	0
Phenolics by SW-846 Method 9066	**1**	0	0	0	0	0	0
Anions by Various EPA Methods	**16**	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**19**	**2**	**1**	0	**1**	**2**	0
Nitrosamines by Low-Level Method	**39**	**33**	**6**	**8**	**1**	**4**	**1**
Total Dissolved Solids by Standard Method 2540C	**16**	0	0	0	0	0	0

Table 3 – Quality Control Sample Percentages

Quality Control Requirement	Requirement %	Samp. Qty. since Apr 2024	QC Qty. Apr 2024	QC % since Apr 2024	Sample Quantity Apr 2025	QC Quantity Apr 2025	QC % Apr 2025
VOA Duplicates	**10**	602	65	**10.8%**	100	9	**9%**
VOA Matrix Spikes	**2**	602	14	**2.33%**	100	2	**2%**
607 Duplicates	**10**	363	37	**10.19%**	58	5	**8.62%**
607 Matrix Spikes	**2**	363	8	**2.20%**	58	1	**1.72%**
607 Equipment Blanks	**2**	363	8	**2.2%**	58	1	**1.72%**
607 Field Blanks	**2**	363	14	**3.86%**	58	2	**3.45%**
NDMA_LL Duplicates	**10**	366	42	**11.48%**	68	8	**11.76%**
NDMA_LL Matrix Spikes	**2**	366	13	**3.55%**	68	2	**2.94%**
Metals Duplicates	**10**	250	25	**10%**	41	3	**7.32%**
Metals Matrix Spikes	**2**	250	6	**2.4%**	41	1	**2.44%**
Metals Equipment Blanks	**5**	250	12	**4.8%**	41	2	**4.88%**
Metals Field Blanks	**5**	250	18	**7.2%**	41	3	**7.32%**

Quality Control Requirement	Requirement %	Sample Events since Apr 2024	QC Qty. since Apr 2024	QC % since Apr 2024	Sample Events Apr 2025	QC Quantity Apr 2025	QC % Apr 2025
VOA Equipment Blanks and Field Blanks	*Should approach 100%*	602	602	**100%**	100	100	**100%**
Low Level Nitrosamine Equipment Blanks and Field Blanks	*Should approach 100%*	358	358	**100%**	65	65	**100%**

Quality Control Requirement	Requirement %	Shipments since Apr 2024	TB Qty. since Apr 2024	TB % since Apr 2024	Shipments in Apr 2025	TB Quantity Apr 2025	QC % Apr 2025
VOA Trip Blank (per shipment)	*Should approach 100%*	104	104	**100%**	9	9	100%
Low Level Nitrosamine Trip Blank (per shipment)	*Should approach 100%*	94	94	**100%**	8	8	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	**16**	0	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**108**	0	0	0	**1**	0	0	**3**
Perchlorate by SW-846 Method 6850	**21**	0	0	0	0	0	0	0
Pesticides by SW-846 Method 8081	**6**	0	0	0	0	0	0	0
PCBs by SW-846 Method 8082	**7**	0	0	0	0	0	0	0
Herbicides by SW-846 Method 8151	**21**	0	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**1937**	0	0	0	0	0	0	0
Low Level Volatile Organics by SW-846 Method 8260C	**2251**	0	0	0	0	0	0	0
Semi-Volatile Organics by SW-846 Method 8270D	**484**	0	0	0	0	0	0	0
Dioxins/Furans by SW-846 Method 8290	**25**	0	0	0	0	0	0	0
Cyanide by SW-846 Method 9012B	**1**	0	0	0	0	0	0	0
Sulfide by SW-846 Method 9030	**1**	0	0	0	0	0	0	0
Phenolics by SW-846 Method 9066	**1**	0	0	0	0	0	0	0
Anions by Various EPA Methods	**64**	0	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**567**	**1**	**4**	0	**2**	0	0	0
Nitrosamines by Low-Level Method	**86**	**6**	**3**	0	0	**2**	0	**1**0
Total Dissolved Solids by Standard Method 2540C	**16**	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	**16**	0	0	0	0	0	0	0	0	0	0
Nitrosamines by EPA Method 607	**108**	0	0	0	**1**	0	0	**3**	0	**3**	0
Perchlorate by SW-846 Method 6850	**21**	0	0	0	0	0	0	0	0	**3**	0
Pesticides by SW-846 Method 8081	**6**	0	0	0	0	0	0	0	0	0	0
PCBs by SW-846 Method 8082	**7**	0	0	0	0	0	0	0	0	0	0
Herbicides by SW-846 Method 8151	**21**	0	0	0	0	0	0	0	0	0	0
Volatile Organics by SW-846 Method 8260C	**1937**	0	**6**	**6**	0	0	0	**1**	0	**28**	0
Low Level Volatile Organics by SW-846 Method 8260C	**2251**	0	0	0	0	0	0	0	0	**9**	0
Semi-Volatile Organics by SW-846 Method 8270D	**484**	0	0	0	0	0	0	0	0	0	0
Dioxins/Furans by SW-846 Method 8290	**25**	0	0	0	0	0	0	0	0	0	0
Cyanide by SW-846 Method 9012B	**1**	0	0	0	0	0	0	0	0	0	0
Sulfide by SW-846 Method 9030	**1**	**1**	0	**1**	0	0	0	0	0	0	0
Phenolics by SW-846 Method 9066	**1**	0	0	0	0	0	0	0	0	0	0
Anions by Various EPA Methods	**64**	0	0	0	0	0	0	0	0	0	0
Total Metals by Various SW-846 Methods	**567**	0	0	0	0	0	0	0	0	**122**	0
Nitrosamines by Low-Level Method	**86**	**10**	**7**	0	0	0	0	0	0	**5**	**3**
Total Dissolved Solids by Standard Method 2540C	**16**	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
BLM-39-560	4/1/2025	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-39-560	**4/1/2025**	**For SW-846 Method 8260C, for samples 2504010750Y, 2504010840Y, and 2504011006Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-39-560	**4/1/2025**	**For SW-846 Method 8260, analyte PCE (0.32 ug/L) and Vinyl Chloride (0.22 ug/L) in sample 2504011006Y is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-39-560	**4/1/2025**	**For SW-846 Method 8260C, Unknown was detected in the trip blank (2504010750Y) at 5.9 ug/L.**
BLM-39-560	**4/1/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2504010840Y) at 6.7 ug/L.**
BLM-39-385	4/2/2025	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-39-385	4/2/2025	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.
BLM-39-385	**4/2/2025**	**For SW-846 Method 8260C, for samples 2504021002Y and 2504021003Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-39-385	4/2/2025	For SW-846 Method 8260C, there were no detections in the equipment blank.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
BLM-39-385	4/2/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2504021002Y and 2504021003Y were within control limits or below the calculable range.
BLM-6-488	4/2/2025	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.
BLM-6-488	**4/2/2025**	**For SW-846 Method 8260C, for samples 2504021425A, 2504021426A, and 2504021427A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BLM-6-488	4/2/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2504021425A and 2504021426A were within control limits or below the calculable range.
BLM-6-488	**4/2/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2504021427A) at 9.0 ug/L.**
BLM-6-488	**4/2/2025**	**For SW-846 Method 8260C, CFC 123a (0.25 ug/L and 0.23 ug/L), in samples 2504021425A and 2504021426A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-6-725	4/2/2025	For low level SW-846 Method 8260D, 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-6-725	4/2/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
PL-6-725	**4/2/2025**	**For low level SW-846 Method 8260D, 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.23 ug/L) in sample 2504030835Y is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-40-517	4/3/2025	For low level SW-846 Method 8260D,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-40-517	4/3/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PL-6-545	4/3/2025	For low level SW-846 Method 8260D, 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-6-545	4/3/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
PL-6-545	4/3/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
700-D-186	4/7/2025	For SW-846 Method 8260C, there were no detections in the field blank.
700-D-186	4/7/2025	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.
700-D-186	4/7/2025	For SW-846 Method 8260C, there were no detections in the trip blank.
700-H-670	4/7/2025	For SW-846 Method 8260D, 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.
700-H-670	**4/7/2025**	**For SW-846 Method 8260D, analyte Styrene (0.63 ug/L) was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
700-H-670	4/7/2025	For SW-846 Method 8260D, there were no detections in the equipment blank.

Well ID	Event Date	SW-846 Method 8260 QA Narratives
700-J-200	4/7/2025	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.
700-J-200	4/7/2025	For SW-846 Method 8260C, there were no detections in the field blank.
700-J-200	**4/7/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.45 ug/L) in sample 2504071423C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
700-J-200	4/7/2025	For SW-846 Method 8260D, there were no detections in the trip blank.
ST-7-544	4/7/2025	For low level SW-846 Method 8260D, 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-7-544	4/7/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-7-779	4/7/2025	For low level SW-846 Method 8260D, 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-7-779	4/7/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
ST-7-970	4/7/2025	For low level SW-846 Method 8260D, 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-7-970	4/7/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
WELL K	4/7/2025	For low level SW-846 Method 8260D, 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 K	4/7/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
WELL M	4/7/2025	For low level SW-846 Method 8260D, 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 M	4/7/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
700-A-253	4/8/2025	For SW-846 Method 8260B, there were no detections in the trip blank.
700-A-253	4/8/2025	For SW-846 Method 8260C, there were no detections in the field blank.
700-A-253	4/8/2025	For SW-846 Method 8260B, there were no detections in the field blank.
700-A-253	4/8/2025	For SW-846 Method 8260B, relative percent differences (RPD) for duplicate samples 2504080940C and 2504080941C were within control limits or below the calculable range.
700-A-253	4/8/2025	For SW-846 Method 8260D, 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.
700-A-253	**4/8/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (0.43 ug/L) in sample 2504080936C is 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
700-H-350	4/8/2025	For SW-846 Method 8260C, there were no detections in the equipment blank.
700-H-350	4/8/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2504081431Y and 2504081432Y were within control limits or below the calculable range.
700-H-350	4/8/2025	For SW-846 Method 8260C, there were no detections in the trip blank.
700-H-350	4/8/2025	For SW-846 Method 8260D, 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.
700-H-535	4/8/2025	For SW-846 Method 8260C, there were no detections in the equipment blank.
700-H-535	4/8/2025	For SW-846 Method 8260D, 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.
700-H-535	4/8/2025	For SW-846 Method 8260, sample 2504080900Y is incorrectly reported as sample "2504080900C" 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-14-327	4/8/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BLM-14-327	4/8/2025	For SW-846 Method 8260D, 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-14-327	4/8/2025	For SW-846 Method 8260D, 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-14-327	**4/8/2025**	**For SW-846 Method 8260C, cis-1,2-Dichloroethene (0.34 ug/L) and CFC 21 (0.29 ug/L) in sample 2504081352C, is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-14-327	**4/8/2025**	**For SW-846 Method 8260C, 1,1,2-Trichloro-1,2,2-Trifluoroethane (370 ug/L), in sample 2504081352C is the result of a 2.5-fold dilution.**
JER-1-483	**4/8/2025**	**For Low Level SW-846 Method 8260D, Toluene (0.42 ug/L), in sample 2504081220B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JER-1-483	4/8/2025	For Low Level SW-846 Method 8260D, 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.
JER-1-483	4/8/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
JER-1-483	4/8/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
JER-1-563	**4/8/2025**	**For Low Level SW-846 Method 8260D, Vinyl Chloride (0.4 ug/L) Toluene (0.25 ug/L), in sample 2504081235B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JER-1-563	4/8/2025	For Low Level SW-846 Method 8260D, 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.
JER-1-563	4/8/2025	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
JER-1-683	**4/8/2025**	**For Low Level SW-846 Method 8260D, Vinyl Chloride (0.35 ug/L) in sample 2504081250B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JER-1-683	4/8/2025	For Low Level SW-846 Method 8260D, 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.
JER-1-683	4/8/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PFE-3	**4/8/2025**	**For SW-846 Method 8260D, CFC 123a (0.21 ug/L) in sample 2504080946 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-3	4/8/2025	For SW-846 Method 8260D, 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.
PFE-3	4/8/2025	For SW-846 Method 8260C, there were no detections in the field blank.
PFE-4A	**4/8/2025**	**For SW-846 Method 8260D, CFC 11 (0.8 ug/L) in sample 2504080925 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-4A	4/8/2025	For SW-846 Method 8260D, 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.
PFE-4A	4/8/2025	For SW-846 Method 8260C, there were no detections in the field blank.
BLM-40-595	4/9/2025	For Low Level SW-846 Method 8260D, 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-40-595	4/9/2025	For Low Level SW-846 Method 8260C, matrix spike recoveries for sample 2504090957C were within laboratory control limits.
BLM-40-595	4/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
JER-2-504	4/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
JER-2-504	**4/9/2025**	**For Low Level SW-846 Method 8260D, Toluene (0.43 ug/L) in sample 2504091130B is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JER-2-504	4/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
JER-2-504	4/9/2025	For Low Level SW-846 Method 8260D, 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.
JER-2-584	4/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
JER-2-584	4/9/2025	For Low Level SW-846 Method 8260D, 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.
JER-2-684	4/9/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
JER-2-684	4/9/2025	For Low Level SW-846 Method 8260D, 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.
PFE-1	4/9/2025	For SW-846 Method 8260C, there were no detections in the field blank.
PFE-1	4/9/2025	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.
PFE-1	4/9/2025	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.
PFE-2	4/9/2025	For SW-846 Method 8260C, there were no detections in the field blank.
PFE-2	4/9/2025	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.
PFE-2	4/9/2025	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.
PFE-2	**4/9/2025**	**For SW-846 Method 8260C, CFC 123a (0.31 ug/L) and CFC 21 (0.28 ug/L) in sample 2504081352C, is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-2	**4/9/2025**	**For SW-846 Method 8260C, for sample 2504090908, Silane, fluorotrimethyl- (7.5 ug/L) and Silanol, trimethyl- (5.3 ug/L) are tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PFE-5	4/9/2025	For SW-846 Method 8260C, there were no detections in the field blank.
PFE-5	4/9/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2504090824 and 2504090825 were within control limits or below the calculable range.
PFE-5	4/9/2025	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.
PFE-5	4/9/2025	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.
PFE-5	**4/9/2025**	**For SW-846 Method 8260C, PCE (0.99 ug/L) and CFC 21 (0.2 ug/L) in sample 2504090825, is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-5	**4/9/2025**	**For Low Level SW-846 Method 8260C, CFC 11 (0.25 ug/L) in sample 2504090825, is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
B655-EFF-2	**4/10/2025**	**For Low Level SW-846 Method 8260C, for sample 2504101224, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B655-EFF-2	4/10/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
B655-EFF-2	4/10/2025	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

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		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	**4/10/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2504101246) at 7.0 ug/L.**
B655-INF-2	**4/10/2025**	**For SW-846 Method 8260C, for samples 2504101245 and 2504101246, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B655-INF-2	4/10/2025	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.
JP-3-509	**4/10/2025**	**For Low Level SW-846 Method 8260C, for samples 2504100720C, 2504100923C, and 2504100924C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
JP-3-509	**4/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the trip blank (2504100720C) at 6.3 ug/L.**
JP-3-509	4/10/2025	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	**4/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2504100924C) at 7.3 ug/L.**
JP-3-689	**4/10/2025**	**For Low Level SW-846 Method 8260C, for samples 2504101420C and 2504101421C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
JP-3-689	**4/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2504101421C) at 7.5 ug/L.**
JP-3-689	4/10/2025	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-10-813	**4/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2504100825Y) at 7.0 ug/L.**
PL-10-813	4/10/2025	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-10-813	**4/10/2025**	**For Low Level SW-846 Method 8260C, for samples 2504100825Y and 2504100945Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PL-10-813	4/10/2025	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-10-962	4/10/2025	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-10-962	**4/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the equipment blank (2504101310Y) at 7.4 ug/L.**
PL-10-962	**4/10/2025**	**For Low Level SW-846 Method 8260C, for samples 2504101310Y and 2504101425Y, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-5-459	4/10/2025	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

Well ID	Event Date	SW-846 Method 8260 QA Narratives
		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	**4/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2504101041B) at 7.7 ug/L.**
WW-5-459	**4/10/2025**	**For Low Level SW-846 Method 8260C, for samples 2504101040B and 2504101041B, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-5-579	4/10/2025	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	**4/10/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2504101053B) at 7.8 ug/L.**
WW-5-579	**4/10/2025**	**For Low Level SW-846 Method 8260C, for samples 2504101052B and 2504101053B, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B650-EFF-1	4/11/2025	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	**4/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2504110551) at 7.4 ug/L.**
B650-EFF-1	**4/11/2025**	**For Low Level SW-846 Method 8260C, for samples 2504110550 and 2504110551, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B650-INF-1	**4/11/2025**	**For SW-846 Method 8260C, analyte PCE (0.56 ug/L) in sample 2504110605 is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
B650-INF-1	**4/11/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2504110606) at 7.6 ug/L.**
B650-INF-1	**4/11/2025**	**For SW-846 Method 8260C, for samples 2504110605 and 2504110606, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
B650-INF-1	4/11/2025	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.
BLM-40-688	4/11/2025	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-40-688	**4/11/2025**	**For Low Level SW-846 Method 8260C, analyte 1,2-Dichloroethane (0.34 ug/L) in sample 2504110855C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-40-688	**4/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2504110856C) at 6.9 ug/L.**
BLM-40-688	**4/11/2025**	**For Low Level SW-846 Method 8260C, for samples 2504110855C and 2504110856C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-5-809	**4/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2504111136B) at 5.7 ug/L.**
WW-5-809	4/11/2025	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.

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WW-5-809	**4/11/2025**	**For Low Level SW-846 Method 8260C, for samples 2504111135B and 2504111136B, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
WW-5-909	4/11/2025	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-5-909	**4/11/2025**	**For Low Level SW-846 Method 8260C, Unknown was detected in the field blank (2504111201B) at 6.8 ug/L.**
WW-5-909	**4/11/2025**	**For Low Level SW-846 Method 8260C, for samples 2504111200B and 2504111201B, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
600A-003-GW	**4/14/2025**	**For SW-846 Method 8260C, for samples 2504140830A and 2504140831A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
600A-003-GW	4/14/2025	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.
600A-003-GW	**4/14/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2504140831A) at 6.9 ug/L. 2-Butanone (MEK) was detected in the field blank (2504140831A) at 0.95 ug/L.**
JP-1-424	4/14/2025	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.
JP-1-424	4/14/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
JP-1-424	4/14/2025	For Low Level SW-846 Method 8260C, there were no detections in the trip blank.
JP-2-447	4/14/2025	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.
JP-2-447	4/14/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PFE-7	4/14/2025	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-7	**4/14/2025**	**For SW-846 Method 8260C, the relative percent difference (RPD) for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for 1,1,2-Trichloro-1,2,2-Trifluoroethane (26%) for analytical batch 877094 was outside control limits (25%). Affected data qualified accordingly.**
PFE-7	**4/14/2025**	**For SW-846 Method 8260C, for samples 2504140925 and 2504140926, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
PFE-7	**4/14/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2504140926) at 7.6 ug/L.**
PL-10-484	4/14/2025	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.
PL-10-484	4/14/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.

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PL-10-592	4/14/2025	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.
PL-10-592	4/14/2025	For Low Level SW-846 Method 8260C, there were no detections in the equipment blank.
BLM-10-517	4/15/2025	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-10-517	4/15/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PL-1-486	4/15/2025	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-1-486	**4/15/2025**	**For Low Level SW-846 Method 8260C, analyte CFC 11 (0.25 ug/L) in sample 2504151010C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PL-1-486	4/15/2025	For Low Level SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2504151010C and 2504151011C were within control limits or below the calculable range.
PL-1-486	4/15/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
PL-1-486	4/15/2025	For SW-846 Method 8260C in blind control sample (2504151100C), all recoveries were within standard limits.
BLM-41-420	4/16/2025	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.
BLM-41-420	4/16/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
BLM-41-670	4/16/2025	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.
BLM-41-670	4/16/2025	For Low Level SW-846 Method 8260C, there were no detections in the field blank.
BW-3-180	**4/16/2025**	**For SW-846 Method 8260C, for samples 2504160925A and 2504160926A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
BW-3-180	**4/16/2025**	**For SW-846 Method 8260C, the relative percent difference (RPD) for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for 1,1,2-Trichloro-1,2,2-Trifluoroethane (26%) for analytical batch 877094 was outside control limits (25%). Affected data qualified accordingly.**
BW-3-180	4/16/2025	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.
BW-3-180	**4/16/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2504160926A) at 7.2 ug/L.**
400-FV-131	**4/17/2025**	**For SW-846 Method 8260C, for samples 2504170800C, 2504171406C, and 2504171407C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**

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400-FV-131	**4/17/2025**	**For SW-846 Method 8260C, analyte TCE (0.3 ug/L and 0.29 ug/L) in sample 2504171020C and 2504171021C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
400-FV-131	**4/17/2025**	**For SW-846 Method 8260C, the relative percent difference (RPD) for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for 1,1,2-Trichloro-1,2,2-Trifluoroethane (26%) for analytical batch 877094 was outside control limits (25%). Affected data qualified accordingly.**
400-FV-131	4/17/2025	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.
400-FV-131	**4/17/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2504171407C) at 7.6 ug/L.**
400-FV-131	**4/17/2025**	**For SW-846 Method 8260C, Unknown was detected in the trip blank (2504170800C) at 5.8 ug/L.**
400-HV-147	**4/17/2025**	**For SW-846 Method 8260C, for samples 2504171020C, 2504171021C, and 2504171022C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
400-HV-147	4/17/2025	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.
400-HV-147	**4/17/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2504171022C) at 7.1 ug/L.**
400-HV-147	4/17/2025	For SW-846 Method 8260C, relative percent differences (RPD) for duplicate samples 2504171020C and 2504171021C were within control limits or below the calculable range.
600A-004-GW	**4/17/2025**	**For SW-846 Method 8260C, analyte CFC 11 (0.28 ug/L) in sample 2504171305A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
600A-004-GW	**4/17/2025**	**For SW-846 Method 8260C, for samples 2504171305A and 2504171306A, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
600A-004-GW	**4/17/2025**	**For SW-846 Method 8260C, the relative percent difference (RPD) for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for 1,1,2-Trichloro-1,2,2-Trifluoroethane (26%) for analytical batch 877094 was outside control limits (25%). Affected data qualified accordingly.**
600A-004-GW	4/17/2025	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-004-GW	**4/17/2025**	**For SW-846 Method 8260C, Unknown was detected in the field blank (2504171306A) at 7.0 ug/L.**
100-001-GW	**4/21/2025**	**For SW-846 Method 8260D, multiple analyte results in samples 2504210945C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-001-GW	**4/21/2025**	**For SW-846 Method 8260D, the report was report revised.**
100-001-GW	4/21/2025	For SW-846 Method 8260D, 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	4/21/2025	For SW-846 Method 8260D, 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.
100-001-GW	4/21/2025	For SW-846 Method 8260C, there were no detections in the trip blank.
100-001-GW	4/21/2025	For SW-846 Method 8260C, there were no detections in the field blank.
600C-005-GW	**4/21/2025**	**For SW-846 Method 8260D, the report was report revised.**
600C-005-GW	4/21/2025	For SW-846 Method 8260D, 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.
600C-005-GW	4/21/2025	For SW-846 Method 8260D, 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	4/21/2025	For SW-846 Method 8260C, there were no detections in the field blank.
200-B-240	**4/28/2025**	**For SW-846 Method 8260C, PCE (0.88 ug/L), CFC 123a (0.53 ug/L), and cis-1,2-Dichloroethene (0.49 ug/L) in sample 2504281020C, are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
200-B-240	4/28/2025	For SW-846 Method 8260D, 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.
200-B-240	**4/28/2025**	**For SW-846 Method 8260C, for sample 2504281020C, one Unknown analyte was tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
200-B-240	4/28/2025	For SW-846 Method 8260C, there were no detections in the field blank.
200-B-240	4/28/2025	For SW-846 Method 8260C, there were no detections in the trip blank.

Well ID	Event Date	Modified EPA Method 607 QA Narratives
BLM-39-560	**4/1/2025**	**For Modified EPA Method 607, for sample 2504011008Y, NDMA (0.008 ug/L) is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
700-D-186	4/7/2025	For all methods, due to an incorrect entry into the computer logbook, sample IDs for well 700-D-186 were entered in using the preface "250403", the correct preface is "250407". The database was corrected to match the field logbook, chain of custody and laboratory report. No further action taken.
PFE-4A	**4/8/2025**	**For Modified EPA Method 607, for sample 2504080927, DMN (0.006 ug/L) is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
PFE-5	4/9/2025	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2504090827 and 2504090828 were within control limits or below the calculable range.
PL-10-813	4/10/2025	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2504100946Y and 2504100947Y were within control limits or below the calculable range.
PL-10-813	4/10/2025	For Modified EPA Method 607, there were no detections in the equipment blank.
B650-INF-1	**4/11/2025**	**For Modified EPA Method 607, Bromacil (0.007 ug/L) in sample 2504110607 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
600A-003-GW	4/14/2025	For Modified EPA Method 607, there were no detections in the field blank.
JP-2-447	4/14/2025	For Modified EPA Method 607, relative percent differences (RPD) for duplicate samples 2504141437C and 2504141437C were within control limits or below the calculable range.
PL-1-486	**4/15/2025**	**For Modified EPA Method 607 in blind control sample (2504151101C), the percent recovery for Bromacil (40.0%) was outside of the standard limits (50.0-190.0%).**
600A-004-GW	**4/17/2025**	**For Modified EPA Method 607, origianl results for bromacil in sample 2504171307A exceeded the callibration curve and are rejected due to sample dilution 15-fold for reanalysis. Diluted bromacil samples are retained and the original samples are maintained in the QA data only.**
600A-004-GW	**4/17/2025**	**For Modified EPA Method 607, sample 2504171307A was diluted 15-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-6-488	4/2/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
BLM-6-488	4/2/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-6-725	**4/2/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2504021347Y) at 2.08 ng/L.**
PL-6-725	4/2/2025	For Low Level Nitrosamine Method, equipment blank sample 2504021347Y contained the internal standard recovery of NDMA-d6 (9.8%) below the lower QC limit of 10%. NDMA was detected above the LOQ in the sample, so there is no impact. No further corrective action was taken.
PL-6-725	4/2/2025	For Low Level Nitrosamine Method, sample 2504030910Y contained the internal standard recovery of NDMA-d6 (0.4%) and DMN-d6 (1.0%) below the lower QC limit of 10%. NDMA was detected above the LOQ in the sample, so there is no impact. No further corrective action was taken. There was a peak for NDMA detected in this sample that quantifies to 4.99 ng/L, but that is an unreliable concentration and has been "J" flagged on the Analysis Data Sheet due to the very low associated IS recovery.
PL-6-545	4/3/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
PL-6-545	**4/3/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2504031033Y) at 0.41 ng/L.**
PL-6-545	**4/3/2025**	**For Low Level Nitrosamine Method, NDMA (0.41 ng/L) in sample 2504031033Y is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
ST-7-544	**4/7/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2504071323B) at 0.37 ng/L.**
ST-7-544	**4/7/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2504071322B and 2504071323B. Affected data are appropriately qualified.**
ST-7-779	**4/7/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2504071332B and 2504071333B. Affected data are appropriately qualified.**
ST-7-779	**4/7/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2504071333B) at 0.43 ng/L.**
ST-7-970	4/7/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WELL K	4/7/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WELL M	4/7/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JER-1-483	4/8/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JER-1-563	4/8/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JER-1-683	4/8/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
PFE-4A	4/8/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PFE-4A	4/8/2025	For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2504080928 and 2504080929 were within control limits or below the calculable range.
BLM-40-595	4/9/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JER-2-504	4/9/2025	For Low Level Nitrosamine Method, sample 2504091133B contained the internal standard recovery of NDMA-d6 (8.2%) below the lower QC limit of 10%. NDMA was not detected in this sample above the LOQ level. No further corrective action was taken.
JER-2-504	4/9/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
JER-2-504	4/9/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JER-2-584	4/9/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JER-2-684	4/9/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
B655-EFF-2	4/10/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D17JZ1) recovery was within the advisory limit of 70-130% for DMN but slightly exceeds the limit for NDMA at 132%.
B655-EFF-2	4/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JP-3-509	**4/10/2025**	**For Low Level Nitrosamine Method, NDMA (0.35 ng/L) in sample 2504100925C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
JP-3-509	**4/10/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25D17JZ1) recovery was within the advisory limit of 70-130% for DMN but slightly exceeds the limit for NDMA at 132%. Affected data qualified accordingly.**
JP-3-509	4/10/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
JP-3-509	4/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JP-3-689	4/10/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D17JZ1) recovery was within the advisory limit of 70-130% for DMN but slightly exceeds the limit for NDMA at 132%.
JP-3-689	4/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-10-813	**4/10/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25D17JZ1) recovery was within the advisory limit of 70-130% for DMN but slightly exceeds the limit for NDMA at 132%. Affected data qualified accordingly.**
PL-10-813	**4/10/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2504100827Y) at 0.57 ng/L.**
PL-10-813	4/10/2025	For Low Level Nitrosamine Method, sample 2504100827Y contained the internal standard recovery of NDMA-d6 (8.10%) below the lower QC limit of 10%. NDMA was detected in sample 2504100827Y (PL-10-813) above the LOQ level at 0.57 ng/L. No further corrective action was taken.
PL-10-962	**4/10/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25D17JZ1) recovery was within the advisory limit of 70-130% for DMN but slightly exceeds the limit for NDMA at 132%. Affected data qualified accordingly.**
PL-10-962	4/10/2025	For Low Level Nitrosamine Method, there were no detections in the equipment blank.
WW-5-459	**4/10/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25D17JZ1) recovery was within the advisory limit of 70-130% for DMN but slightly exceeds the limit for NDMA at 132%. Affected data qualified accordingly.**
WW-5-459	4/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-5-459	4/10/2025	For Low Level Nitrosamine Method, sample 2504101043B contained the internal standard recovery of NDMA-d6 (8.10%) below the lower QC limit of 10%. NDMA was not detected in this sample above the LOQ level. No further corrective action was
WW-5-579	**4/10/2025**	**For Low Level Nitrosamine Method, the LFB spike (LFB25D17JZ1) recovery was within the advisory limit of 70-130% for DMN but slightly exceeds the limit for NDMA at 132%. Affected data qualified accordingly.**
WW-5-579	4/10/2025	For Low Level Nitrosamine Method, sample 2504101055B contained the internal standard recovery of NDMA-d6 (8.10%) below the lower QC limit of 10%. NDMA was not detected in this sample above the LOQ level. No further corrective action was
WW-5-579	4/10/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
B650-EFF-1	4/11/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D18JZ1) recovery was within the advisory limit of 70-130% for both analytes even though both NDMA-d6 and DMN-d6 recoveries were below 5% at 1.9% and 3.5% respectively.
B650-EFF-1	**4/11/2025**	**For Low Level Nitrosamine Method, during the sample workup, many sample extracts went to dryness in this batch. Results have been flagged with "R" flags to notate results should be rejected. If one of the analyte results got the "R" flag, the other result was flagged with a "R" also. The recovery cutoff for the labeled compound was 1% since the native compounds were detected in the LFB sample with NDMA-d6 recovery at 1.9%.**
B650-EFF-1	**4/11/2025**	**For Low Level Nitrosamine Method, the results for field blank sample 2504110554 are 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.**
B650-EFF-1	4/11/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
BLM-40-688	4/11/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D18JZ1) recovery was within the advisory limit of 70-130% for both analytes even though both NDMA-d6 and DMN-d6 recoveries were below 5% at 1.9% and 3.5% respectively.
BLM-40-688	**4/11/2025**	**For Low Level Nitrosamine Method, during the sample workup, many sample extracts went to dryness in this batch. Results have been flagged with "R" flags to notate results should be rejected. If one of the analyte results got the "R" flag, the other result was flagged with a "R" also. The recovery cutoff for the labeled compound was 1% since the native compounds were detected in the LFB sample with NDMA-d6 recovery at 1.9%.**
BLM-40-688	**4/11/2025**	**For Low Level Nitrosamine Method, analyte NDMA (0.4 ng/L) in sample 2504110857C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-40-688	4/11/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-5-809	**4/11/2025**	**For Low Level Nitrosamine Method, the results for sample 2504111137B are 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. Scheduled for resample.**
WW-5-809	**4/11/2025**	**For Low Level Nitrosamine Method, during the sample workup, many sample extracts went to dryness in this batch. Results have been flagged with "R" flags to notate results should be rejected. If one of the analyte results got the "R" flag, the other result was flagged with a "R" also. The recovery cutoff for the labeled compound was 1% since the native compounds were detected in the LFB sample with NDMA-d6 recovery at 1.9%.**
WW-5-809	4/11/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D18JZ1) recovery was within the advisory limit of 70-130% for both analytes even though both NDMA-d6 and DMN-d6 recoveries were below 5% at 1.9% and 3.5% respectively.
WW-5-809	**4/11/2025**	**For Low Level Nitrosamine Method, the LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. A new vial will be used for batch HR-992. NDMA recoveries in all three LFBs exceeded 130%. The high recoveries were most likely caused by the interference in the blanks. Affected data qualified accordingly.**
WW-5-809	4/11/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-5-809	4/11/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
WW-5-809	4/11/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
WW-5-909	**4/11/2025**	**For Low Level Nitrosamine Method, the results for field blank sample 2504111203B are 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.**
WW-5-909	4/11/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D18JZ1) recovery was within the advisory limit of 70-130% for both analytes even though both NDMA-d6 and DMN-d6 recoveries were below 5% at 1.9% and 3.5% respectively.
WW-5-909	**4/11/2025**	**For Low Level Nitrosamine Method, during the sample workup, many sample extracts went to dryness in this batch. Results have been flagged with "R" flags to notate results should be rejected. If one of the analyte results got the "R" flag, the other result was flagged with a "R" also. The recovery cutoff for the labeled compound was 1% since the native compounds were detected in the LFB sample with NDMA-d6 recovery at 1.9%.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
WW-5-909	4/11/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JP-1-424	**4/14/2025**	**For Low Level Nitrosamine Method, during the sample workup, many sample extracts went to dryness in this batch. Results have been flagged with "R" flags to notate results should be rejected. If one of the analyte results got the "R" flag, the other result was flagged with a "R" also. The recovery cutoff for the labeled compound was 1% since the native compounds were detected in the LFB sample with NDMA-d6 recovery at 1.9%.**
JP-1-424	4/14/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D18JZ1) recovery was within the advisory limit of 70-130% for both analytes even though both NDMA-d6 and DMN-d6 recoveries were below 5% at 1.9% and 3.5% respectively.
JP-1-424	**4/14/2025**	**For Low Level Nitrosamine Method, during the sample workup, many sample extracts went to dryness in this batch. Results have been flagged with "R" flags to notate results should be rejected. If one of the analyte results got the "R" flag, the other result was flagged with a "R" also. The recovery cutoff for the labeled compound was 1% since the native compounds were detected in the LFB sample with NDMA-d6 recovery at 1.9%.**
JP-1-424	4/14/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D18JZ1) recovery was within the advisory limit of 70-130% for both analytes even though both NDMA-d6 and DMN-d6 recoveries were below 5% at 1.9% and 3.5% respectively.
JP-1-424	**4/14/2025**	**For Low Level Nitrosamine Method, the results for field blank sample 2504111137B and sample 2504141012C are 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. Scheduled for resample.**
JP-1-424	**4/14/2025**	**For Low Level Nitrosamine Method, the LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. A new vial will be used for batch HR-992. NDMA recoveries in all three LFBs exceeded 130%. The high recoveries were most likely caused by the interference in the blanks. Affected data qualified accordingly.**
JP-1-424	4/14/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JP-1-424	4/14/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JP-1-424	4/14/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
JP-2-447	4/14/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JP-2-447	**4/14/2025**	**For Low Level Nitrosamine Method, during the sample workup, many sample extracts went to dryness in this batch. Results have been flagged with "R" flags to notate results should be rejected. If one of the analyte results got the "R" flag, the other result was flagged with a "R" also. The recovery cutoff for the labeled compound was 1% since the native compounds were detected in the LFB sample with NDMA-d6 recovery at 1.9%.**
JP-2-447	4/14/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D18JZ1) recovery was within the advisory limit of 70-130% for both analytes even though both NDMA-d6 and DMN-d6 recoveries were below 5% at 1.9% and 3.5% respectively.
JP-2-447	4/14/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
JP-2-447	4/14/2025	For Low Level Nitrosamine Method, matrix spike recoveries for sample 2504141440C were within laboratory control limits.
JP-2-447	**4/14/2025**	**For Low Level Nitrosamine Method, the results for field blank sample 2504141442C and 2504141439C are 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. Scheduled for resample.**
JP-2-447	**4/14/2025**	**For Low Level Nitrosamine Method, the LCS recovery exceeded 130% for NDMA and DMN in the 05/29/2025 extraction batch. Spike solution has most likely concentrated. A new vial will be used for batch HR-992. NDMA recoveries in all three LFBs exceeded 130%. The high recoveries were most likely caused by the interference in the blanks. Affected data qualified accordingly.**
PFE-7	4/14/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PFE-7	**4/14/2025**	**For Low Level Nitrosamine Method, during the sample workup, many sample extracts went to dryness in this batch. Results have been flagged with "R" flags to notate results should be rejected. If one of the analyte results got the "R" flag, the other result was**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
		flagged with a "R" also. The recovery cutoff for the labeled compound was 1% since the native compounds were detected in the LFB sample with NDMA-d6 recovery at 1.9%.
PFE-7	**4/14/2025**	**For Low Level Nitrosamine Method, field duplicate samples 2504140928 and 2504140929 the relative percent difference for N-Nitrosodimethylamine was 129.0%. This value is outside the upper acceptance limit for relative percent difference of 25%.**
PFE-7	4/14/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D18JZ1) recovery was within the advisory limit of 70-130% for both analytes even though both NDMA-d6 and DMN-d6 recoveries were below 5% at 1.9% and 3.5% respectively.
PFE-7	**4/14/2025**	**For Low Level Nitrosamine Method, the results for field blank sample 2504140930 and field duplicate 2504140929 are 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. Field sample was not rejected.**
PFE-7	**4/14/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2504140928. Affected data are appropriately qualified.**
PL-10-484	**4/14/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the equipment blank (2504141346Y) at 0.37 ng/L.**
PL-10-484	**4/14/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2504141346Y. Affected data are appropriately qualified.**
PL-10-484	**4/14/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25D21JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA at 156%. The high recovery was due to below MDL level of NDMA in the blank.**
PL-10-484	4/14/2025	For Low Level Nitrosamine Method, sample 2504141453Y contained the internal standard recovery of NDMA-d6 (8.4%) below the lower QC limit of 10%. NDMA was detected in sample 2504141453Y (PL-10-484) above the LOQ level at 0.68 ng/L. No further corrective action was taken.
PL-10-592	4/14/2025	For Low Level Nitrosamine Method, there were no detections in the equipment blank.
PL-10-592	4/14/2025	For Low Level Nitrosamine Method, the LFB spike (LFB25D18JZ1) recovery was within the advisory limit of 70-130% for both analytes even though both NDMA-d6 and DMN-d6 recoveries were below 5% at 1.9% and 3.5% respectively.
PL-10-592	**4/14/2025**	**For Low Level Nitrosamine Method, the results for equipment blank sample 2504140846Y are 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.**
PL-10-592	**4/14/2025**	**For Low Level Nitrosamine Method, during the sample workup, many sample extracts went to dryness in this batch. Results have been flagged with "R" flags to notate results should be rejected. If one of the analyte results got the "R" flag, the other result was flagged with a "R" also. The recovery cutoff for the labeled compound was 1% since the native compounds were detected in the LFB sample with NDMA-d6 recovery at 1.9%.**
PL-10-592	4/14/2025	For all methods, due to an incorrect entry into the computer logbook, sample IDs for well PL-10-592 were entered in using the preface "2404", the correct preface is "2504". The database was corrected to match the field logbook, chain of custody and laboratory report. No further action taken.
BLM-10-517	4/15/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
BLM-10-517	4/15/2025	For Low Level Nitrosamine Method in blind control sample (2504151510C), all recoveries were within standard limits.
BLM-10-517	**4/15/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25D21JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA at 156%. The high recovery was due to below MDL level of NDMA in the blank.**
PL-1-486	4/15/2025	For Low Level Nitrosamine Method, there were no detections in the field blank.
PL-1-486	4/15/2025	For Low Level Nitrosamine Method, there were no detections in the trip blank.
PL-1-486	**4/15/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25D21JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA at 156%. The high recovery was due to below MDL level of NDMA in the blank.**

Well ID	Event Date	Low-Level Nitrosamine Method QA Narratives
BLM-41-420	**4/16/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2504160954C) at 0.41 ng/L.**
BLM-41-420	4/16/2025	For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2504160952C and 2504160953C were within control limits or below the calculable range.
BLM-41-420	**4/16/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25D21JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA at 156%. The high recovery was due to below MDL level of NDMA in the blank.**
BLM-41-420	**4/16/2025**	**For Low Level Nitrosamine Method, the peak ratio did not meet ± 25% criteria. Concentration should be considered an estimated maximum possible concentration for samples 2504160954C. Affected data are appropriately qualified.**
BLM-41-420	**4/16/2025**	**For Low Level Nitrosamine Method, For Low Level Nitrosamine Method, analyte NDMA (0.43 ng/L and 0.41 ng/L) in sample 2504160953C and 2504110857C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-41-670	**4/16/2025**	**For Low Level Nitrosamine Method, N-Nitrosodimethylamine was detected in the field blank (2504161414C) at 0.45 ng/L.**
BLM-41-670	4/16/2025	For Low Level Nitrosamine Method, relative percent differences (RPD) for duplicate samples 2504161412C and 2504161413C were within control limits or below the calculable range.
BLM-41-670	**4/16/2025**	**For Low Level Nitrosamine Method, LFB spike (LFB25D21JZ1) recovery was within the advisory limit of 70-130% for DMN but exceeds the limit for NDMA at 156%. The high recovery was due to below MDL level of NDMA in the blank.**
BLM-41-670	**4/16/2025**	**For Low Level Nitrosamine Method, For Low Level Nitrosamine Method, analyte NDMA (0.43 ng/L and 0.41 ng/L) in sample 2504161414C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-41-670	4/16/2025	For Low Level Nitrosamine Method, sample 2504161412C contained the internal standard recovery of NDMA-d6 (8.4%) below the lower QC limit of 10%. NDMA was detected in sample 2504161412C (BLM-41-670) above the LOQ level at 0.68 ng/L. No further corrective action was taken.

Well ID	Event Date	SW-846 Method 8270D QA Narratives
700-J-200	4/7/2025	For SW-846 Method 8270C_SIM, The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-24069 and analytical batch 885-24287 recovered outside control limits for the following analytes: Pentachlorophenol. No further action taken.
700-J-200	4/7/2025	For SW-846 Method 8270C, Method 8270C: The laboratory control sample (LCS) for preparation batch 885-24069 and analytical batch 885-25929 recovered outside control limits for the following analytes: Bis(2-ethylhexyl) phthalate. The associated sample(s) was re-prepared and/or reanalyzed outside holding time. Re-extracts with passing LCS confirm original results. Reporting original results. No further action taken.
700-A-253	4/8/2025	For SW-846 Method 8270C, there were no detections in the field blank.
700-A-253	4/8/2025	For SW-846 Method 8270C, The laboratory control sample (LCS) for preparation batch 885-24069 and analytical batch 885-25929 recovered outside control limits for the following analytes: Bis(2- thylhexyl) phthalate. The associated sample(s) was re-prepared and/or reanalyzed outside holding time. Re-extracts with passing LCS confirm original results. Reporting original results. No further action.
700-H-350	4/8/2025	For SW-846 Method 8270C_SIM, Internal standard (ISTD) response for the following samples were high outside of acceptance limits: (LCS 885-24343/4-A), (LCSD 885-24343/5-A) and (MB 885-24343/1-A). The sample(s) was not re-analyzed due to insufficient volume and holding time expired. Results to be considered biased low/estimated for Benzo[a]pyrene and Pentachlorophenol. No further action.
700-H-535	4/8/2025	For SW-846 Method 8270C, The laboratory control sample (LCS) for preparation batch 885-24069 and analytical batch 885-25929 recovered outside control limits for the following analytes: Bis(2- thylhexyl) phthalate. The associated sample(s) was re-prepared and/or

Well ID	Event Date	SW-846 Method 8270D QA Narratives
		reanalyzed outside holding time. Re-extracts with passing LCS confirm original results. Reporting original results. No further action.
B655-EFF-2	4/10/2025	For SW-846 Method 8270E SIM, 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.
B655-INF-2	4/10/2025	For SW-846 Method 8270E SIM, 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.
B650-EFF-1	4/11/2025	For SW-846 Method 8270E SIM, 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.
B650-INF-1	4/11/2025	For SW-846 Method 8270E SIM, 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.
600A-004-GW	4/17/2025	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	**4/17/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (470 ug/L) and Cyclohexane (16 ug/L) were detected in the method blank (RQ2504553-01).**
600A-004-GW	**4/17/2025**	**For SW-846 Method 8270E, for samples 2504171308A, multiple analytes are tentatively identified by a GC/MS library search and the amount reported is an estimated value.**
600A-004-GW	**4/17/2025**	**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.**
600A-004-GW	4/17/2025	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.
100-001-GW	**4/21/2025**	**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.**
100-001-GW	4/21/2025	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	4/21/2025	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. 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. The analytes affected are flagged in the LCS Summary.
100-001-GW	4/21/2025	For SW-846 Method 8270E, The extraction of one or more sample(s) was initially performed within holding time, but were re-extracted due to a QC failure. Efforts were made to re-extract the samples as soon as possible. The re-extraction was performed past the recommended holding time. The data are flagged to indicate the holding time exceedance.

Well ID	Event Date	SW-846 Method 8270D QA Narratives
100-001-GW	**4/21/2025**	**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.**
100-001-GW	**4/21/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (860 ug/L), Cyclohexane (17 ug/L), and Amylene Hydrate (7.3 ug/L)were detected in the method blank (RQ2504761-01).**
100-001-GW	**4/21/2025**	**For SW-846 Method 8270E, the report was report revised.**
100-001-GW	4/21/2025	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.
100-001-GW	**4/21/2025**	**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 Limi**
100-001-GW	4/21/2025	For SW-846 Method 8270, sample 2504210948C is incorrectly reported as sample "25042100948C" 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.
600C-005-GW	**4/21/2025**	**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.**
600C-005-GW	4/21/2025	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. 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. The analytes affected are flagged in the LCS Summary.
600C-005-GW	4/21/2025	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.
600C-005-GW	**4/21/2025**	**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 Limi**
600C-005-GW	4/21/2025	For SW-846 Method 8270E, The extraction of one or more sample(s) was initially performed within holding time, but were re-extracted due to a QC failure. Efforts were made to re-extract the samples as soon as possible. The re-extraction was performed past the recommended holding time. The data are flagged to indicate the holding time exceedance.
600C-005-GW	**4/21/2025**	**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.**
600C-005-GW	**4/21/2025**	**For SW-846 Method 8270E, tentatively identified compounds Butane,2-methoxy-2-methyl- (860 ug/L), Cyclohexane (17 ug/L), and Amylene Hydrate (7.3 ug/L)were detected in the method blank (RQ2504761-01).**
600C-005-GW	**4/21/2025**	**For SW-846 Method 8270E, the report was report revised.**

Well ID	Event Date	SW-846 Method 8270D QA Narratives
600C-005-GW	4/21/2025	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.
200-B-240	4/28/2025	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.
200-B-240	**4/28/2025**	**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.**
200-B-240	**4/28/2025**	**For SW-846 Method 8270E, tentatively identified compound Butane,2-methoxy-2-methyl- (520 ug/L) was detected in sample 2504281022C and it's method blank RQ2504925-01 (470 ug/L).**

Well ID	Event Date	Total Metals QA Narratives
BLM-39-560	**4/1/2025**	**For Total Metals, multiple analyte results in samples 2504011035Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-39-385	**4/2/2025**	**For Total Metals, multiple analyte results in samples 2504011035Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-6-725	**4/2/2025**	**For Total Metals, multiple analyte results in samples 2504030916Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-40-517	**4/3/2025**	**For Total Metals, multiple analyte results in samples 2504030916Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-6-545	**4/3/2025**	**For Total Metals, multiple analyte results in samples 2504031428Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-14-327	**4/8/2025**	**For Total Metals, multiple analyte results in samples 2504081355C and 2504081356C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-14-327	4/8/2025	For Total Metals, relative percent differences (RPD) for duplicate samples 2504081355C and 2504081356C were within control limits or below the calculable range.
PL-10-813	**4/10/2025**	**For Total Metals, multiple analyte results in samples 2504101026Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-10-962	**4/10/2025**	**For Total Metals, multiple analyte results in samples 2504101312Y and 2504101500Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-10-962	**4/10/2025**	**For Total Metals, Calcium, Total was detected in the equipment blank (2504101312Y) at 0.4 mg/L. Magnesium, Total was detected in the equipment blank (2504101312Y) at 0.1 mg/L. Strontium, Total was detected in the equipment blank (2504101312Y) at 0.01 mg/L. Zinc, Total was detected in the equipment blank (2504101312Y) at 0.007 mg/L.**
600A-003-GW	4/14/2025	For Total Metals, there were no detections in the field blank.
600A-003-GW	**4/14/2025**	**For Total Metals, multiple analyte results in samples 2504140834A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
JP-1-424	4/14/2025	For Total Metals, relative percent differences (RPD) for duplicate samples 2504141014C and 2504141015C were within control limits or below the calculable range.
JP-1-424	**4/14/2025**	**For Total Metals, multiple analyte results in samples 2504141014C AND 2504141015C 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
JP-2-447	**4/14/2025**	**For Total Metals, multiple analyte results in samples 2504141443C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-10-484	**4/14/2025**	**For Total Metals, multiple analyte results in samples 2504150836Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-10-592	**4/14/2025**	**For Total Metals, multiple analyte results in samples 2504141055Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-1-486	**4/15/2025**	**For Total Metals in blind control sample (2504151102C), 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%).**
PL-1-486	**4/15/2025**	**For Total Metals, multiple analyte results in samples 2504151016C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BW-3-180	**4/16/2025**	**For Total Metals, Sodium, Total was detected in the field blank (2504160929A) at 0.4 mg/L.**
BW-3-180	**4/16/2025**	**For Total Metals, multiple analyte results in samples 2504160928A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
600A-004-GW	**4/17/2025**	**For Total Metals, multiple analyte results in samples 2504171309A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-001-GW	**4/21/2025**	**For Total Metals, multiple analyte results in samples 2504210949C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
100-001-GW	4/21/2025	For Total Metals, sample 2504210949C is incorrectly reported as sample "25042100949C" 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.
600C-005-GW	**4/21/2025**	**For Total Metals, multiple analyte results in samples 2504210954A are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
200-B-240	**4/28/2025**	**For Total Metals, multiple analyte results in samples 2504281028C are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-39-560	**4/1/2025**	**For Total Metals, multiple analyte results in samples 2504011035Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-39-385	**4/2/2025**	**For Total Metals, multiple analyte results in samples 2504011035Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-6-725	**4/2/2025**	**For Total Metals, multiple analyte results in samples 2504030916Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
BLM-40-517	**4/3/2025**	**For Total Metals, multiple analyte results in samples 2504030916Y are estimated values less than the quantitation limit, but greater than or equal to the detection limit.**
PL-6-545	**4/3/2025**	**For Total Metals, multiple analyte results in samples 2504031428Y 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-40-517	**4/3/2025**	**For SW-846 Method 6850, analyte Perchlorate (0.051 ug/L) in sample 2504030929A is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
700-D-186	**4/7/2025**	**For EPA Method 300.0, sample 2504070951C was not analalyzed for total phospate because the lab only have preserved bottles and were unable to run PO4.**
700-D-186	**4/7/2025**	**For EPA Method 300.0, sample 2504070951C was in a preserved bottle and was not analalyzed for total phospate because the lab was unable to run PO4 on the preserved sample.**
700-J-200	**4/7/2025**	**For EPA Method 300.0, sample 2504071437C was in a preserved bottle and was not analalyzed for total phospate because the lab was unable to run PO4 on the preserved sample.**
700-J-200	**4/7/2025**	**For EPA Method 300.0, sample 2504071437C analyte Nitrate Nitrite as N (0.17 mg/L) was an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**

Well ID	Event Date	Miscellaneous QA Narratives
700-J-200	4/7/2025	For SW-846 Method 6850, sample 2504071426C is incorrectly reported as sample "28504071426C" 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.
700-J-200	**4/7/2025**	**For SW-846 Method 6850, analyte Perchlorate (0.053 ug/L) in sample 2504071426C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
700-A-253	**4/8/2025**	**For Anions, sample 2504080956C and field blank sample 2504080957C for Orthophosphate as P were analyzed outside the recommended holding time. Affected data are appropriately qualified.**
700-H-350	**4/8/2025**	**For Anions, sample 2504091050Y for Orthophosphate as P were analyzed outside the recommended holding time. Affected data are appropriately qualified.**
BLM-40-688	**4/11/2025**	**Fo SW-846 Method 6850, analyte perchlorate (0.092 ug/L) in sample 2504110901C is an estimated value less than the quantitation limit, but greater than or equal to the detection limit.**
100-001-GW	4/21/2025	For Anions, sample 2504210950C is incorrectly reported as sample "25042100950C" 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.
100-001-GW	4/21/2025	For EPA Method 353.2, sample 2504210953C is incorrectly reported as sample "25042100953C" 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.
100-001-GW	4/21/2025	For SW-846 Method 6850, sample 2504210952C is incorrectly reported as sample "25042100952C" 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.
100-001-GW	4/21/2025	For TDS, sample 2504210952C is incorrectly reported as sample "25042100952C" 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.
200-B-240	4/28/2025	For SW-846 Method 8081B, 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.
200-B-240	4/28/2025	For SW-846 Method 8081B, 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.
200-B-240	**4/28/2025**	**For SW-846 Method 8082A, Due to a limitation in LIMS, PCBs in this report are flagged for holding time. The holding time for PCB's is 1 year and the PCB results should not be flagged on the final report. Qualifier has been removed from PCB data.**
200-B-240	**4/28/2025**	**For SW-846 Method 9034, the relative percent difference (RPD) for the laboratory control MS and MSD for Sulfide, Acid-Soluble (29%) for analytical batch 456570 was outside control limits (20%). Affected data qualified accordingly.**

Table 8 – WSTF Blank Sample Detections

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
BLM-39-560	01-Apr-25	Carboy G1	8260	VOA-FB	TIC	Unknown	6.7	ug/L	J TIC
BLM-39-560	01-Apr-25	Carboy G1	8260	VOA-TB	TIC	Unknown	5.9	ug/L	J TIC
BLM-6-488	02-Apr-25	Carboy G3	8260	VOA-FB	TIC	Unknown	9	ug/L	J TIC
PL-6-725	02-Apr-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	2.08	ng/L	EB
PL-6-545	03-Apr-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.41	ng/L	J EB
ST-7-544	07-Apr-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.37	ng/L	J K FB
ST-7-779	07-Apr-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.43	ng/L	J K FB
B655-INF-2	10-Apr-25	Carboy PF1	8260	VOA-FB	TIC	Unknown	7	ug/L	J TIC
JP-3-509	10-Apr-25	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	7.3	ug/L	J TIC
JP-3-509	10-Apr-25	Carboy G3	8260_LL	VOA-TB	TIC	Unknown	6.3	ug/L	J TIC
JP-3-689	10-Apr-25	Carboy G3	8260_LL	VOA-FB	TIC	Unknown	7.5	ug/L	J TIC
PL-10-813	10-Apr-25	Carboy G1	8260_LL	VOA-EB	TIC	Unknown	7	ug/L	J TIC
PL-10-813	10-Apr-25	Carboy G1	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.57	ng/L	A EB
PL-10-962	10-Apr-25	Carboy G1	8260_LL	VOA-EB	TIC	Unknown	7.4	ug/L	J TIC
PL-10-962	10-Apr-25	Carboy G1	METALS	METALS-EB	7440-70-2	Calcium, Total	0.4	mg/L	J EB
PL-10-962	10-Apr-25	Carboy G1	METALS	METALS-EB	7439-95-4	Magnesium, Total	0.1	mg/L	J EB
PL-10-962	10-Apr-25	Carboy G1	METALS	METALS-EB	7440-24-6	Strontium, Total	0.01	mg/L	J EB
PL-10-962	10-Apr-25	Carboy G1	METALS	METALS-EB	7440-66-6	Zinc, Total	0.007	mg/L	J EB
WW-5-459	10-Apr-25	Carboy G2	8260_LL	VOA-FB	TIC	Unknown	7.7	ug/L	J TIC
WW-5-579	10-Apr-25	Carboy G2	8260_LL	VOA-FB	TIC	Unknown	7.8	ug/L	J TIC
B650-EFF-1	11-Apr-25	Carboy PF1	8260_LL	VOA-FB	TIC	Unknown	7.4	ug/L	J TIC
B650-INF-1	11-Apr-25	Carboy PF1	8260	VOA-FB	TIC	Unknown	7.6	ug/L	J TIC
BLM-40-688	11-Apr-25	Carboy G2	8260_LL	VOA-FB	TIC	Unknown	6.9	ug/L	J TIC
WW-5-809	11-Apr-25	Carboy G2	8260_LL	VOA-FB	TIC	Unknown	5.7	ug/L	J TIC
WW-5-909	11-Apr-25	Carboy G2	8260_LL	VOA-FB	TIC	Unknown	6.8	ug/L	J TIC
600A-003-GW	14-Apr-25	Carboy G1	8260	VOA-FB	TIC	Unknown	6.9	ug/L	J TIC
600A-003-GW	14-Apr-25	Carboy G1	8260	VOA-FB	78-93-3	2-Butanone (MEK)	0.95	ug/L	J FB
PFE-7	14-Apr-25	Carboy PF1	8260	VOA-FB	TIC	Unknown	7.6	ug/L	J TIC
PL-10-484	14-Apr-25	Carboy G3	NDMA_LL	NDMA_LL-EB	62-75-9	N-Nitrosodimethylamine	0.37	ng/L	J K EB
BLM-41-420	16-Apr-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.41	ng/L	J K FB
BLM-41-670	16-Apr-25	Carboy G2	NDMA_LL	NDMA_LL-FB	62-75-9	N-Nitrosodimethylamine	0.45	ng/L	J FB

Well ID	Event Date	Comment	Analysis	Sample Type	CAS No.	Analyte	Result	Units	QA flag
BW-3-180	16-Apr-25	Carboy G1	8260	VOA-FB	TIC	Unknown	7.2	ug/L	J TIC
BW-3-180	16-Apr-25	Carboy G1	METALS	METALS-FB	7440-23-5	Sodium, Total	0.4	mg/L	J FB
400-FV-131	17-Apr-25	Carboy G2	8260	VOA-FB	TIC	Unknown	7.6	ug/L	J TIC
400-FV-131	17-Apr-25	Carboy G2	8260	VOA-TB	TIC	Unknown	5.8	ug/L	J TIC
400-HV-147	17-Apr-25	Carboy G2	8260	VOA-FB	TIC	Unknown	7.1	ug/L	J TIC
600A-004-GW	17-Apr-25	Carboy G1	8260	VOA-FB	TIC	Unknown	7	ug/L	J TIC

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 4.9 ng/L **Source** GMP

Well ID	Event Date	Analysis Method	Sample	Constituent	Result	Units	Quant Limit	Det Limit	Xtrct Effic	QA Flag
200-B-240	4/28/2025	607	2504281021C	N-Nitrosodimethylamine	0.1	µg/L	0.0094	0.0047	55	
200-B-240	4/28/2025	607	2504281021C	N-Nitrosodimethylamine	0.1	µg/L	0.0094	0.0047	55	
300-001-GSV	3/24/2025	607	2503241347A	N-Nitrosodimethylamine	9.55	µg/L	0.5	0.25	44	D
300-002-GSV	3/25/2025	607	2503251257A	N-Nitrosodimethylamine	0.25	µg/L	0.01	0.005	44	
300-A-170	2/18/2025	607	2502181437A	N-Nitrosodimethylamine	0.95	µg/L	0.0096	0.0048	41	
300-B-166	2/5/2025	607	2502051412C	N-Nitrosodimethylamine	2	µg/L	0.0094	0.0047	33	
300-B-166	2/5/2025	607	2502051413C	N-Nitrosodimethylamine	1.82	µg/L	0.0094	0.0047	33	
300-E-138	2/14/2025	607	2502141012Y	N-Nitrosodimethylamine	0.52	µg/L	0.0097	0.0049	39	
400-001-GW	2/19/2025	607	2502191322A	N-Nitrosodimethylamine	2.49	µg/L	0.0095	0.0048	41	
BLM-14-327	4/8/2025	607	2504081354C	N-Nitrosodimethylamine	0.16	µg/L	0.0095	0.0048	45	
BLM-21-400	2/18/2025	607	2502181430C	N-Nitrosodimethylamine	0.28	µg/L	0.0097	0.0049	41	
BLM-23-431	2/11/2025	607	2502111402A	N-Nitrosodimethylamine	0.16	µg/L	0.0098	0.0049	37	
BLM-39-385	4/2/2025	607	2504021005Y	N-Nitrosodimethylamine	2.17	µg/L	0.0095	0.0048	47	
BLM-39-560	4/1/2025	607	2504011008Y	N-Nitrosodimethylamine	0.005	µg/L	0.0095	0.0048	47	J
BLM-5-527	3/20/2025	607	2503201428C	N-Nitrosodimethylamine	0.15	µg/L	0.0097	0.0049	49	
BLM-5-527	3/20/2025	607	2503201429C	N-Nitrosodimethylamine	0.14	µg/L	0.0094	0.0047	49	
BLM-9-419	3/14/2025	607	2503141312C	N-Nitrosodimethylamine	0.008	µg/L	0.0095	0.0048	44	J
BLM-9-419	3/14/2025	NDMA_LL	2503141313C	N-Nitrosodimethylamine	67.9	ng/L	0.96	0.48		QD
BLM-9-419	3/14/2025	NDMA_LL	2503141314C	N-Nitrosodimethylamine	34.72	ng/L	0.95	0.48		QD
BW-1-268	3/24/2025	607	2503240932C	N-Nitrosodimethylamine	3.57	µg/L	0.0094	0.0047	44	
BW-4-330	2/20/2025	607	2502200921A	N-Nitrosodimethylamine	0.02	µg/L	0.0094	0.0047	41	
JP-2-447	4/14/2025	NDMA_LL	2504141441C	N-Nitrosodimethylamine	5.73	ng/L	0.49	0.36		R *
PL-11-470	3/3/2025	NDMA_LL	2503031227B	N-Nitrosodimethylamine	6.14	ng/L	0.47	0.34		A RB FB
PL-2-504	3/13/2025	NDMA_LL	2503131403A	N-Nitrosodimethylamine	26.41	ng/L	0.95	0.48		
PL-2-504	3/13/2025	607	2503131402A	N-Nitrosodimethylamine	0.007	µg/L	0.0095	0.0048	44	J
PL-6-545	2/3/2025	NDMA_LL	2502031346Y	N-Nitrosodimethylamine	6.39	ng/L	0.5	0.35		RB TB
PL-6-725	4/2/2025	NDMA_LL	2504030910Y	N-Nitrosodimethylamine	4.99	ng/L	0.49	0.35		J EB
ST-2-466	2/11/2025	NDMA_LL	2502111043A	N-Nitrosodimethylamine	11.71	ng/L	0.49	0.36		R
ST-4-481	3/5/2025	NDMA_LL	2503051425A	N-Nitrosodimethylamine	5.77	ng/L	0.47	0.34		TB FB

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
BLM-39-385	4/2/2025	8260	2504021002Y	Tetrachloroethene (PCE)	6.5	ug/L	1.0	0.21		
BLM-39-385	4/2/2025	8260	2504021003Y	Tetrachloroethene (PCE)	6.2	ug/L	1.0	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
200-B-240	4/28/2025	8260	2504281020C	Trichloroethene (TCE)	26	ug/L	1.0	0.20		
200-D-240	3/20/2025	8260	2503200925C	Trichloroethene (TCE)	14	ug/L	1.0	0.20		
200-F-225	2/12/2025	8260	2502121425Y	Trichloroethene (TCE)	21	ug/L	1.0	0.20		
600A-004-G	4/17/2025	8260	2504171305A	Trichloroethene (TCE)	25	ug/L	1.0	0.20		
BLM-14-327	4/8/2025	8260	2504081352C	Trichloroethene (TCE)	73	ug/L	1.0	0.20		
BLM-21-400	2/18/2025	8260	2502181425C	Trichloroethene (TCE)	61	ug/L	1.0	0.20		
BLM-21-400	2/18/2025	8260	2502181420C	Trichloroethene (TCE)	55	ug/L	1.0	0.20		
BLM-23-431	2/11/2025	8260	2502111400A	Trichloroethene (TCE)	68	ug/L	1.0	0.20		
BLM-39-385	4/2/2025	8260	2504021002Y	Trichloroethene (TCE)	170	ug/L	1.0	0.20		
BLM-39-385	4/2/2025	8260	2504021003Y	Trichloroethene (TCE)	160	ug/L	1.0	0.20		
BLM-39-560	4/1/2025	8260	2504011006Y	Trichloroethene (TCE)	11	ug/L	1.0	0.20		
BLM-5-527	3/20/2025	8260	2503201425C	Trichloroethene (TCE)	22	ug/L	1.0	0.20		QD
BLM-9-419	3/14/2025	8260	2503141310C	Trichloroethene (TCE)	5.2	ug/L	1.0	0.20		
BW-4-330	2/20/2025	8260	2502200920A	Trichloroethene (TCE)	69	ug/L	1.0	0.20		
PL-12-570	2/13/2025	8260	2502131403A	Trichloroethene (TCE)	5.2	ug/L	1.0	0.20		
PL-12-800	2/13/2025	8260	2502130945A	Trichloroethene (TCE)	5.5	ug/L	1.0	0.20		
PL-2-504	3/13/2025	8260	2503131400A	Trichloroethene (TCE)	54	ug/L	1.0	0.20		
ST-7-544	4/7/2025	8260_LL	2504071320B	Trichloroethene (TCE)	6.2	ug/L	0.50	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 4.9 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	3/14/2025	607	2503140608	N-Nitrosodimethylamine	0.06	µg/L	0.0097	0.0049	44	
B650-INF-1	2/19/2025	607	2502190937	N-Nitrosodimethylamine	0.05	µg/L	0.0098	0.0049	41	
B650-INF-1	4/11/2025	607	2504110607	N-Nitrosodimethylamine	0.06	µg/L	0.0099	0.005	47	
PFE-1	4/9/2025	607	2504090849	N-Nitrosodimethylamine	0.06	µg/L	0.0099	0.005	45	
PFE-2	4/9/2025	607	2504090910	N-Nitrosodimethylamine	0.13	µg/L	0.01	0.005	45	
PFE-3	4/8/2025	607	2504080948	N-Nitrosodimethylamine	0.09	µg/L	0.0096	0.0048	45	
PFE-4A	4/8/2025	NDMA_LL	2504080929	N-Nitrosodimethylamine	19.71	ng/L	0.49	0.35		
PFE-4A	4/8/2025	NDMA_LL	2504080928	N-Nitrosodimethylamine	19.34	ng/L	0.48	0.35		
PFE-5	4/9/2025	607	2504090828	N-Nitrosodimethylamine	0.2	µg/L	0.0097	0.0049	45	
PFE-5	4/9/2025	607	2504090827	N-Nitrosodimethylamine	0.19	µg/L	0.0096	0.0048	45	

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	3/14/2025	8260	2503140606	Trichloroethene (TCE)	16	ug/L	1.0	0.20		
B650-INF-1	3/14/2025	8260	2503140605	Trichloroethene (TCE)	16	ug/L	1.0	0.20		
B650-INF-1	4/11/2025	8260	2504110605	Trichloroethene (TCE)	15	ug/L	1.0	0.20		
B650-INF-1	2/19/2025	8260	2502190935	Trichloroethene (TCE)	17	ug/L	1.0	0.20		
PFE-1	4/9/2025	8260	2504090847	Trichloroethene (TCE)	6.3	ug/L	1.0	0.20		
PFE-2	4/9/2025	8260	2504090908	Trichloroethene (TCE)	70	ug/L	1.0	0.20		
PFE-3	4/8/2025	8260	2504080946	Trichloroethene (TCE)	32	ug/L	1.0	0.20		
PFE-5	4/9/2025	8260	2504090825	Trichloroethene (TCE)	30	ug/L	1.0	0.20		
PFE-5	4/9/2025	8260	2504090824	Trichloroethene (TCE)	30	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 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	4/10/2025	607	2504101247	N-Nitrosodimethylamine	1.43	µg/L	0.0094	0.0047	47	
B655-INF-2	2/19/2025	607	2502191012	N-Nitrosodimethylamine	1.66	µg/L	0.0094	0.0047	41	
B655-INF-2	3/13/2025	607	2503131248	N-Nitrosodimethylamine	1.51	µg/L	0.0094	0.0047	44	
B655-INF-2	3/13/2025	607	2503131249	N-Nitrosodimethylamine	1.32	µg/L	0.0094	0.0047	44	
MPE-1	2/11/2025	607	2502110824	N-Nitrosodimethylamine	2.47	µg/L	0.0094	0.0047	37	
MPE-10	2/11/2025	607	2502110903	N-Nitrosodimethylamine	2.06	µg/L	0.0095	0.0048	37	
MPE-11	2/11/2025	607	2502110928	N-Nitrosodimethylamine	0.14	µg/L	0.0094	0.0047	37	
MPE-9	2/11/2025	607	2502110843	N-Nitrosodimethylamine	2.27	µg/L	0.0096	0.0048	37	
MPE-9	2/11/2025	607	2502110844	N-Nitrosodimethylamine	2.27	µg/L	0.0096	0.0048	37	

CAS Number 127-18-4 **Analyte** Tetrachloroethene (PCE)

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
MPE-9	2/11/2025	8260	2502110841	Tetrachloroethene (PCE)	5.6	ug/L	1.0	0.21		

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	3/13/2025	8260	2503131246	Trichloroethene (TCE)	44	ug/L	1.0	0.20		
B655-INF-2	2/19/2025	8260	2502191010	Trichloroethene (TCE)	57	ug/L	1.0	0.20		
B655-INF-2	4/10/2025	8260	2504101245	Trichloroethene (TCE)	49	ug/L	1.0	0.20		
MPE-1	2/11/2025	8260	2502110821	Trichloroethene (TCE)	70	ug/L	1.0	0.20		
MPE-1	2/11/2025	8260	2502110822	Trichloroethene (TCE)	72	ug/L	1.0	0.20		
MPE-10	2/11/2025	8260	2502110901	Trichloroethene (TCE)	71	ug/L	1.0	0.20		
MPE-11	2/11/2025	8260	2502110926	Trichloroethene (TCE)	7.5	ug/L	1.0	0.20		
MPE-9	2/11/2025	8260	2502110841	Trichloroethene (TCE)	120	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)

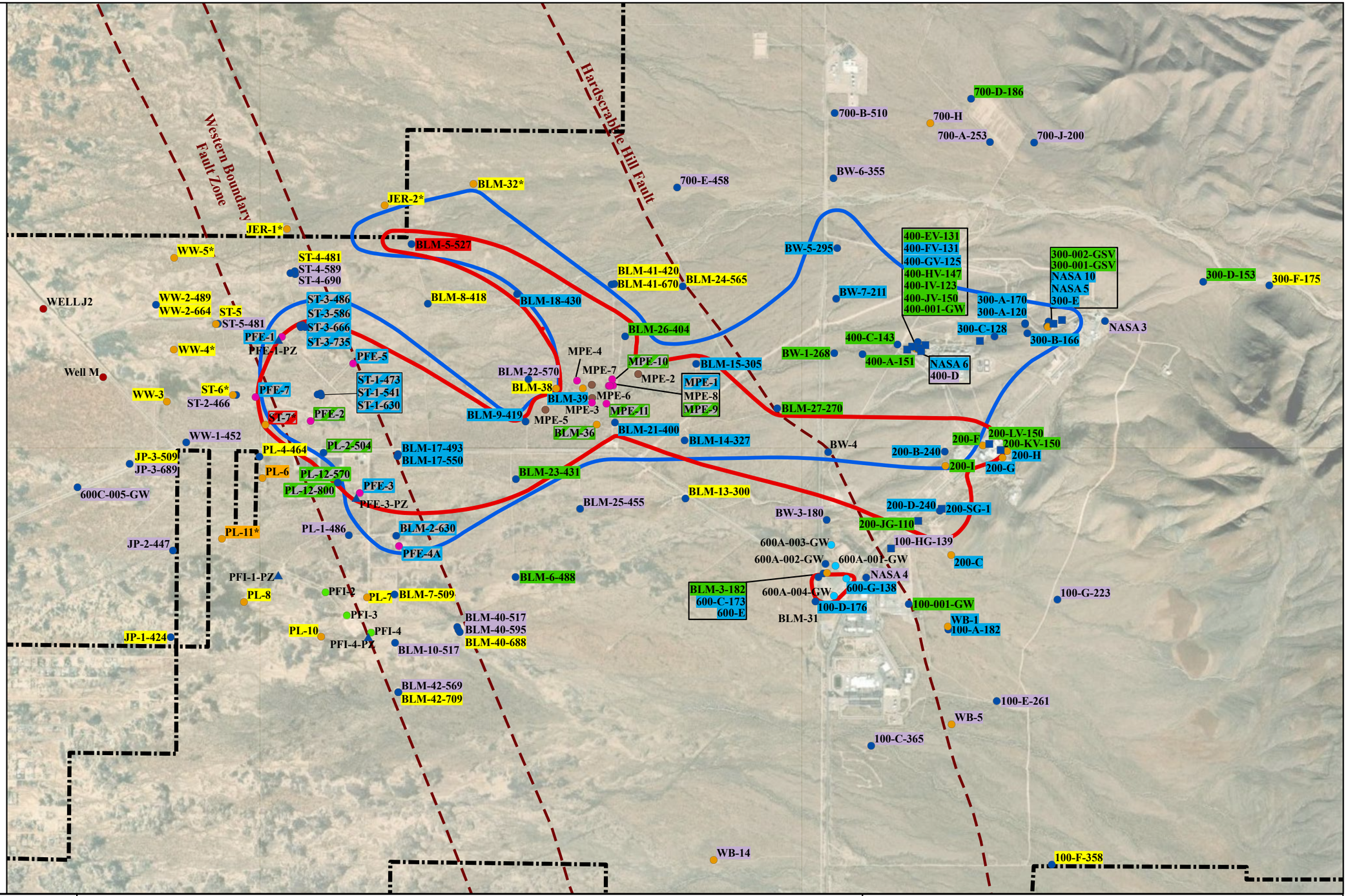
Interpretation Key

- 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

July 2025

Well Type

- Multiport Well
- Conventional Well
- Perched Well
- MSVGM Well
- Extraction Well
- Injection Well
- Piezometer
- Exploration Well
- Production 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 Second 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\2Q2025

Appendix E:

Reporting Period: 2Q/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	Low-Level NDMA (<4.9 ng/L)	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	0.40 A J FB	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	N/A		N/A	
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	N/A		N/A	
NASA 3 Conv	1988	Non Detect	5.0 RL	1988	0.24 DL	2025	2.50 RL	1996	0.21 DL	2025	2.50 RL	1996	0.20 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	49	2025	0.21 DL	2025	0.21 DL	2025	0.2 DL	2025	0.2 DL	2025	0.004 DL	NP	2024	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	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	New Well	0		0		0		0		0		0		0			0.004 DL	49	2025	N/A		N/A	
600A-002-GW Conv	2022	New Well	0		0		0		0		0		0		0			0.004 DL	49	2025	N/A		N/A	
600A-003-GW Conv	2024	New Well	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	New Well	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	2024	2.50 RL	1996	0.21 DL	2024	9.00	1998	1.50	2024	0.1	NP	1988	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
600-E WestBay	1998	Natural Migration (Decreasing)	1.61 DL	2002	0.24 DL	2025	2.05 DL	1999	0.21 DL	2025	2.04 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	0.49 J	2025	0.3 DL	2018	0.21 DL	2025	130	2012	49	2025	0.1 DL	NP	2021	0.005 DL	NP	2024	0.96 RB FB	2012	0.96 RB FB	2012
BLM-3-182 Conv	1988	Natural 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	2024	2.50 RL	1995	0.21 DL	2024	3.50	2009	0.2 DL	2024	0.05 RL	NP	1997	0.005 DL	NP	2024	N/A		N/A	
WB-1 WestBay	1990	Natural Migration (Decreasing)	15	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	

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	2.00	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	
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

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-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	55	2025	0.21 DL	2025	0.21 DL	2025	0.3 J	2024	0.2 J	2025	41 D	48	2024	22 D	44	2025	N/A		N/A	
300-002-GSV MSVGM	2024	Natural Migration (No Overall Trend)	60	2025	60	2025	0.21 DL	2025	0.21 DL	2025	0.47 J	2024	0.46 J	2025	0.57	44	2025	0.57	44	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 DL	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	
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	

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-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)	520	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 (Decreasing)	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	77	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.46 J	2024	1.90	49	1997	1.00	44	2024	N/A		N/A	
BW-7-211 Conv	1989	Natural Migration (Decreasing)	2400	1991	130 Q	2024	2.50 RL	1995	0.21 DL	2024	13	1989	1.10 Q	2024	17	34	1994	1.80	57	2024	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	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	
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	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	0.42 J	2025	0.42 J	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	2024	21	2015	2.70 K RB A TB 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	0.58 FB	2025
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	0.68 FB	2025
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	1.00 DL	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	2.10	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	
100-E-261 Conv	1989	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	1996	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
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	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	1997	0.004 DL	NP	2024	0.42 J FB	2024	0.42 J FB	2024
BLM-40-517 Conv	2013	Non Detect	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	1.20	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	93	2025	2.50 RL	1996	0.5 J	2025	30	2023	9.80	2025	150 A	8	1989	18 D	35	2025	N/A		N/A	
BLM-18-430 Conv	1989	Natural Migration (Decreasing)	120 QD	2005	21 Q	2025	2.50 RL	1996	0.69 J Q	2025	58	2009	18 Q	2025	0.15 QD	31	2009	0.004 DL	NP	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	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	0.34 DL	2025	0.34 DL	2025
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	83	2024	2.50 RL	1996	0.64 J	2024	28	2008	23	2024	1.20	50	1991	0.3	47	2024	N/A		N/A	
BLM-27-270 Conv	1991	Natural Migration (No Overall Trend)	530	2023	440 D	2024	2.50 RL	1996	0.21 DL	2024	2.50 RL	1996	0.97 J	2024	13	41	2006	4.30	57	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
BLM-36 WestBay	2000	Pumping Related Migration (No Overall Trend)	98	2011	42	2024	4.40	2011	2.90	2024	97	2008	64	2024	2.00	43	2007	1.10	44	2024	N/A		N/A	
BLM-38 WestBay	2000	Low-Level NDMA (<4.9 ng/L)	1.60 DL	2003	0.24 DL	2024	0.62 DL	2004	0.21 DL	2024	0.7 DL	2003	0.2 DL	2024	0.024 J	33	2002	0.005 DL	NP	2024	N/A		0.61 EB	2024
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	0.25 J	2024	2.50 RL	1996	0.21 DL	2024	3.80 QD	2001	0.22 J	2024	0.05 RL	NP	1997	0.009 J	54	2024	0.4	2024	0.4	2024
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	44	2024	31	1989	1.70	2024	430	1989	48	2024	11 A Q	7	1989	1.70	44	2024	N/A		N/A	
BLM-17-550 Conv	1990	Natural Migration (Decreasing)	440	1991	85	2025	20	1990	2.80	2025	390	1991	75	2025	8.10	16	1995	0.83	35	2025	N/A		N/A	
BLM-2-630 Conv	1988	Pumping Related Migration (Decreasing)	470 QD	1988	0.26 J	2024	8.00	1991	0.21 DL	2024	310 QD	1988	1.00	2024	1.30	31	2002	0.004 DL	NP	2024	N/A		N/A	
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	0.77 RB A	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	1.60 RB A	2025
PL-1-486 Conv	1988	Non Detect	190	1996	0.25 J	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	0.34 DL	2025
PL-2-504 Conv	1989	Pumping Related Migration (No Overall Trend)	230	1996	40	2025	2.50 RL	1996	0.96 J	2025	180	2004	54	2025	0.45 QD	58	2021	0.015 J	44	2025	300 G RB Q	2020	26	2025
ST-1-473 Conv	1989	Pumping Related Migration (Decreasing)	610	1996	150	2024	13	2010	6.70	2024	370	2005	160 D	2024	1.70	27	2009	0.49	47	2024	N/A		N/A	
ST-1-541 Conv	1992	Pumping Related Migration (Decreasing)	790	1995	140	2024	37	1995	5.60	2024	650	1995	130	2024	4.80 QD	37	2003	3.30	47	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
ST-1-630 Conv	1992	Pumping Related Migration (Decreasing)	410	2006	240 D	2024	19 QD	2007	10	2024	440	2000	270 D	2024	1.90	40	2019	0.46	52	2024	N/A		N/A	
[1]ST-3-486	1991	Pumping Related Migration (Decreasing)	800	1996	4.50	2024	19	2003	0.25 J	2024	690	1991	8.20	2024	4.40	45	2011	0.034	58	2024	N/A		N/A	
ST-3-586 Conv	1992	Pumping Related Migration (Decreasing)	640 T TB Q	1996	0.42 J	2024	15	2007	0.21 DL	2024	320	2005	0.61 J	2024	3.80 QD	37	2003	0.004 DL	NP	2024	N/A		N/A	
ST-3-666 Conv	1992	Pumping Related Migration (Decreasing)	280	2009	2.10	2024	15	2009	0.23 J	2024	320	2009	4.50	2024	3.70	30	2006	0.004 DL	NP	2024	N/A		N/A	
ST-3-735 Conv	1992	Pumping Related Migration (Decreasing)	240	2005	8.60	2024	14	2007	0.32 J	2024	320	2005	15	2024	7.80 QD	32	2009	0.4	58	2024	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	Non Detect	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	0.35 DL	2025
BLM-7-509 Conv	1988	Low-Level NDMA (<4.9 ng/L)	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	1.10 A K RB FB	2025
PL-4-464 Conv	1990	Low-Level NDMA (<4.9 ng/L)	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	1.30 A K RB FB	2025
PL-6 Westbay	1992	Fluctuating LL NDMA	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	4.99 J 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	1.85 K RB A EB	2025
ST-2-466 Conv	1989	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	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	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	1997	0.004 DL	NP	2023	1.10 RB Q	2008	0.35 DL Q	2025

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
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	1.21 K RB EB	2025
ST-5-481 Conv	1992	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	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	1.48 A K RB TB FB	2025
ST-7 FLUTe	1999	Pump Related Migration (Increasing)	4.20	2025	4.20	2025	0.62 DL	2004	0.21 DL	2025	6.20	2025	6.20	2025	0.005 DL	NP	2013	0.005 DL	NP	2023	3.80 FB	2002	1.07	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	Low-Level NDMA (<4.9 ng/L)	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	0.48 A J K RB TB	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	3.70 A	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	0.35 J A	2025
JP-3-689 Conv	2014	Non Detect	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	0.34 DL	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	1.14	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-11 FLUTe	2017	Fluctuating LL NDMA	0.46 J	2024	0.42 J	2025	0.28 DL	2018	0.21 DL	2025	0.36 J	2024	0.3 J	2025	0.005 DL	NP	2023	0.004 DL	NP	2024	58 *	2023	6.14 A RB FB	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	1.30 A K RB	2025
WW-2-489 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	2014	0.004 DL	NP	2025	4.30 K FB	2024	1.10 A K RB TB FB	2025
WW-2-664 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	2014	0.004 DL	NP	2025	2.30 K FB	2024	1.10 A K RB FB	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	2.33 A RB 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	2024	35	2016	4.62 K RB A TB FB	2025
WW-5 WestBay	2001	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	2016	0.004 DL	NP	2024	24	2024	3.00	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	160	2025	8.70	2010	3.60	2025	180	2010	72	2025	25	30	2009	6.70	37	2025	N/A		N/A	
MPE-10 Conv*	2004	Pumping Related Migration (No Overall Trend)	150	2017	130	2025	3.50	2025	3.50	2025	71	2025	71	2025	8.50	40	2021	5.60	37	2025	N/A		N/A	
MPE-11 Conv*	2004	Pumping Related Migration (No Overall Trend)	65	2008	9.70	2025	1.60	2008	0.44 J	2025	41	2008	7.50	2025	1.60	40	2007	0.38	37	2025	N/A		N/A	
MPE-9 Conv*	2004	Pumping Related Migration (No Overall Trend)	250	2015	210 E	2025	5.60	2025	5.60	2025	130	2018	120	2025	13	35	2019	6.10	37	2025	N/A		N/A	
PFE-1 Conv*	2000	Pumping Related Migration (Decreasing)	110	2010	2.60	2025	4.80	2010	0.21 DL	2025	140	2005	6.30	2025	0.39	36	2017	0.13	45	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
PFE-2 Conv*	2000	Pumping Related Migration (No Overall Trend)	170	2007	69	2025	7.60	2007	2.70	2025	220	2007	70	2025	0.44	50	2024	0.29	45	2025	N/A		N/A	
PFE-3 Conv*	1991	Pumping Related Migration (Decreasing)	290	2006	30	2025	18	2004	1.40	2025	340	2004	32	2025	3.90	18	1991	0.2	45	2025	N/A		N/A	
PFE-4A Conv*	2001	Pumping Related Migration (Decreasing)	190	2004	0.8 J	2025	8.40	2007	0.21 DL	2025	240	2004	1.40	2025	0.26	36	2010	0.02 DL	NP	2025	20	2025	20	2025
[2]PFE-5	2000	Pumping Related Migration (Decreasing)	120	2009	7.20	2025	7.70	2006	1.30	2025	180	2009	30	2025	2.40	33	2006	0.44	45	2025	N/A		N/A	
PFE-7 Conv*	2001	Pumping Related Migration (Decreasing)	32	2004	2.00	2025	0.81 J	2004	0.21 DL	2025	41	2004	3.60	2025	0.022	44	2004	0.004 DL	NP	2025	2.3 QD	2025	2.3 QD	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.

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.

NP = NDMA Method 607 extraction efficiency not provided where the analytical result is non-detect (eg, 0.004DL or 0.05RL)

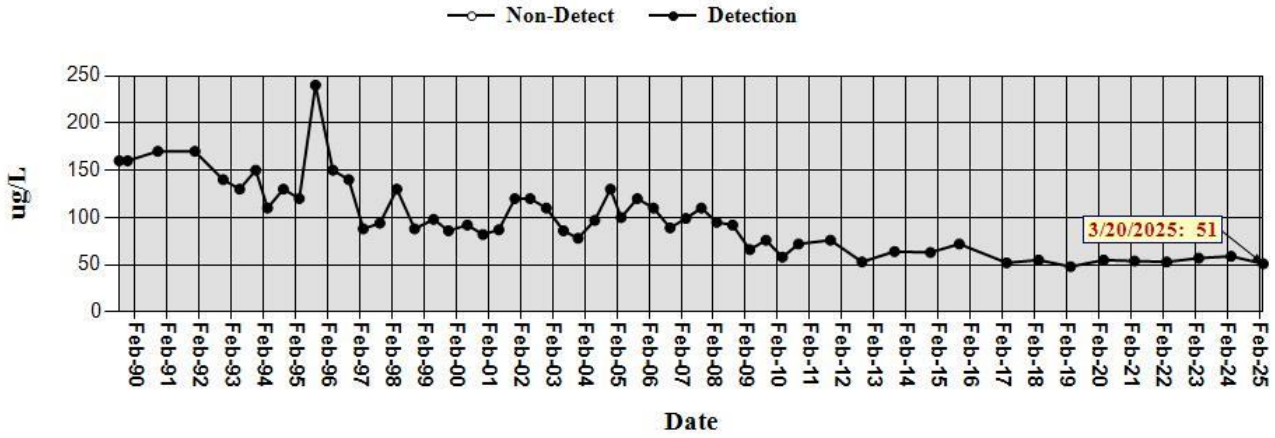
QD = duplicate error.

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.

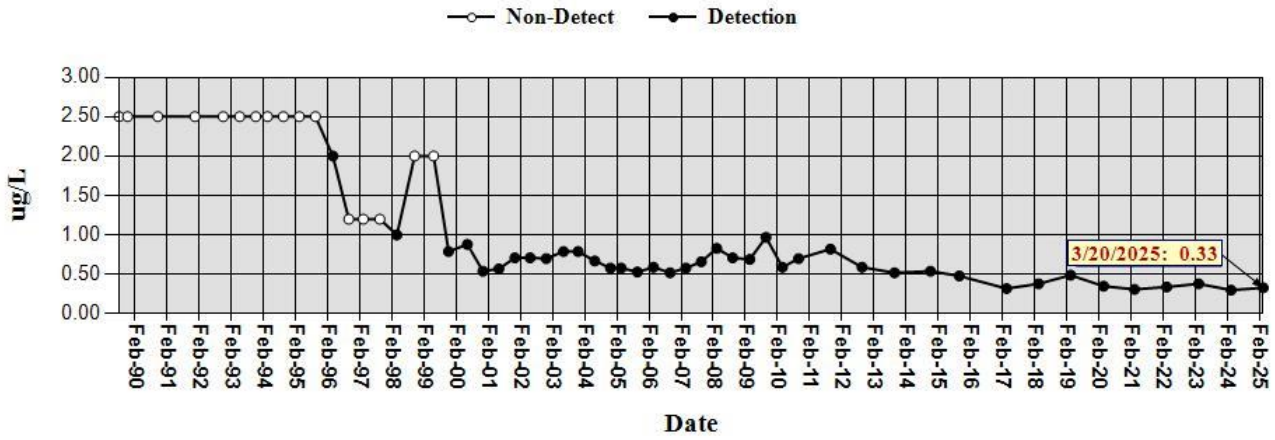
Well ID: 200-D-240
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



Well ID: 200-D-240
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



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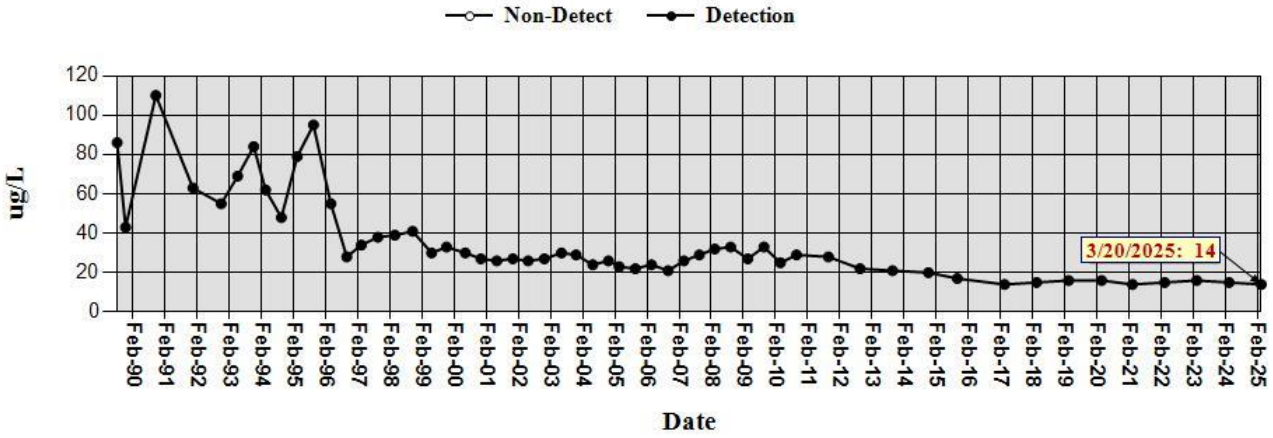
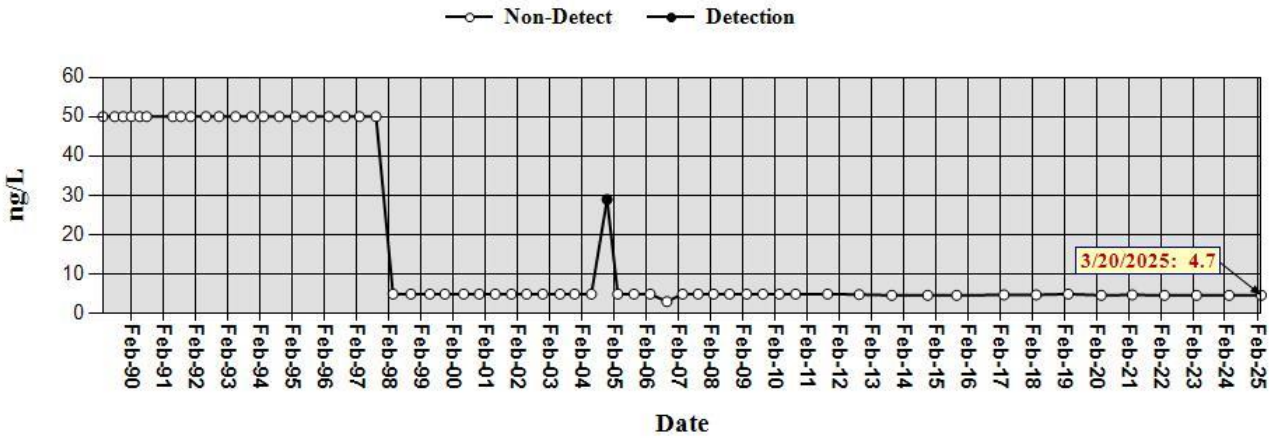
Analysis: 8260



Well ID: 200-D-240
CAS RN: 62-75-9 N-Nitrosodimethylamine

Analysis: 607

Results are Corrected for Extraction Efficiency



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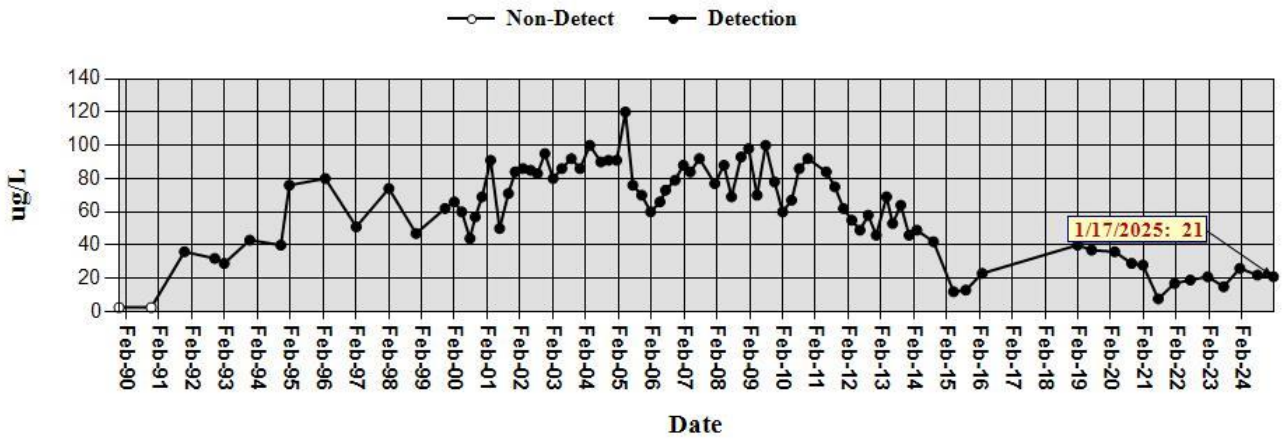
Analysis: 8260



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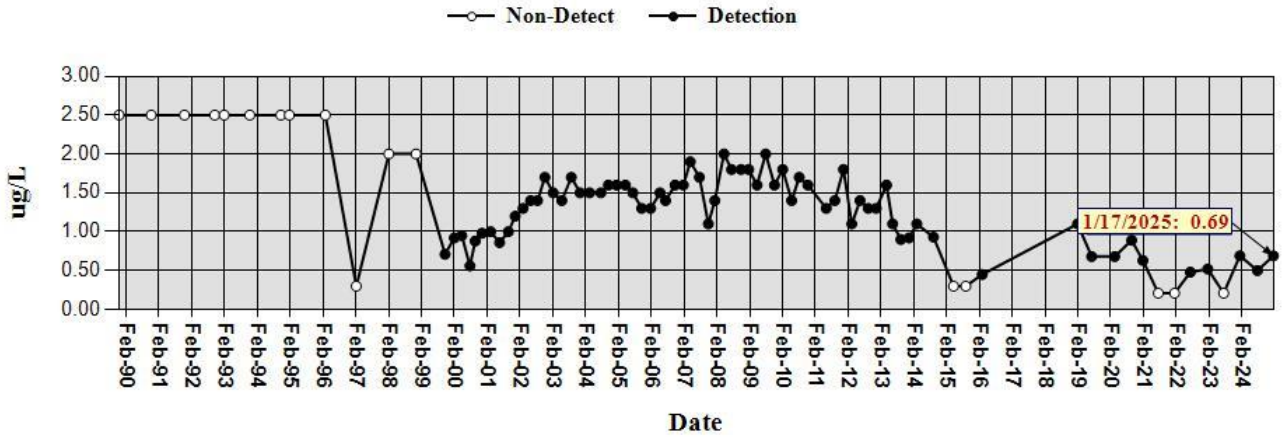
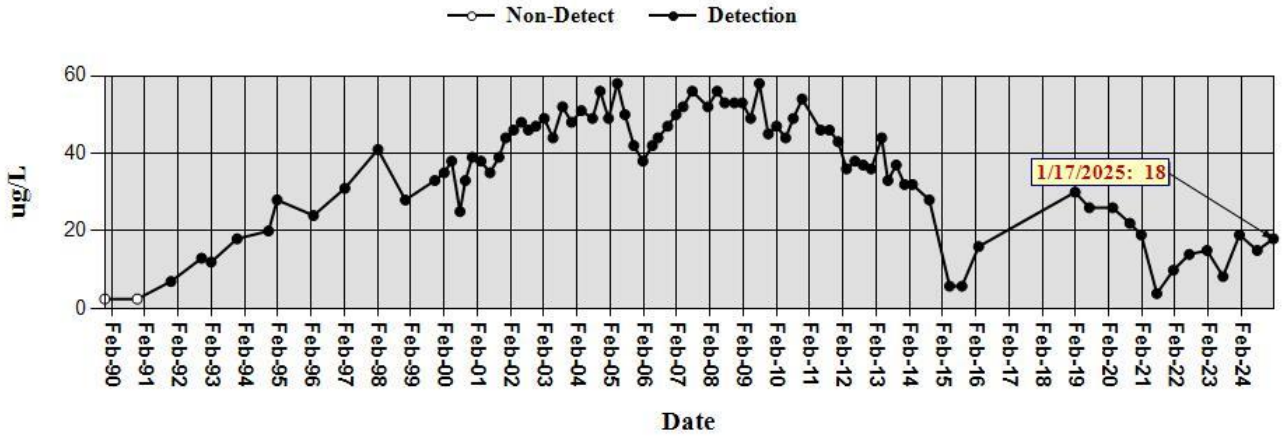
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: BLM-18-430
CAS RN: 79-01-6 Trichloroethene

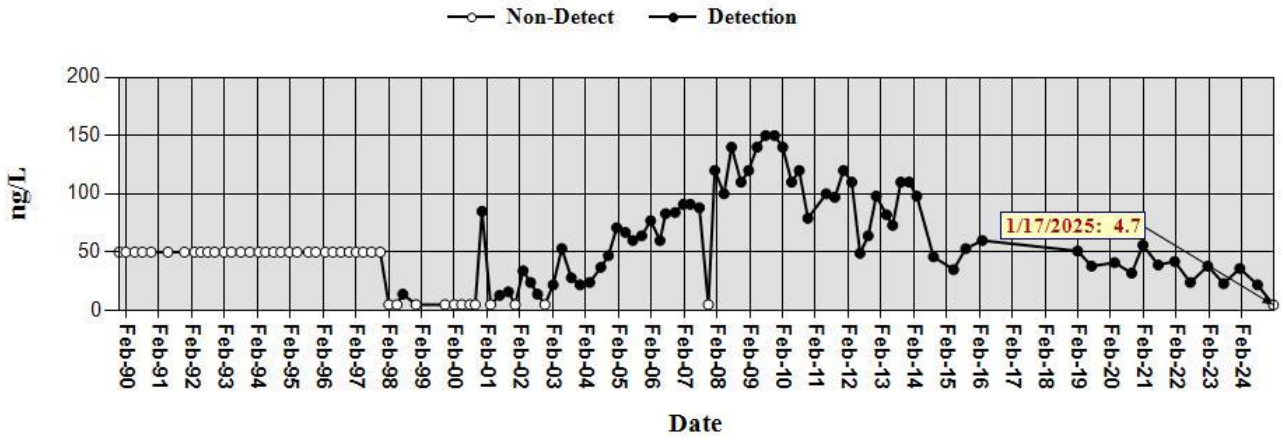
Analysis: 8260



Well ID: BLM-18-430
CAS RN: 62-75-9 N-Nitrosodimethylamine

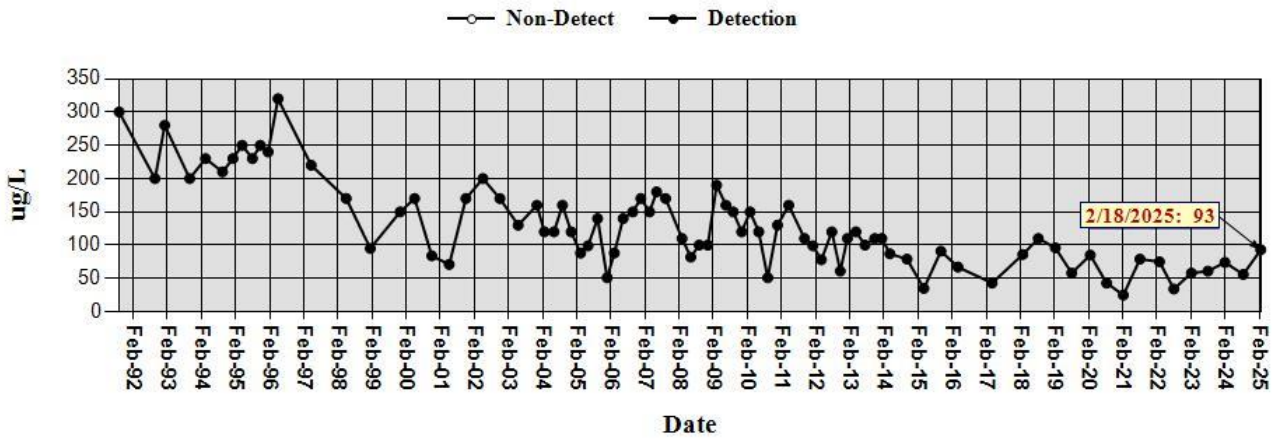
Analysis: 607

Results are Corrected for Extraction Efficiency



Well ID: BLM-21-400
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



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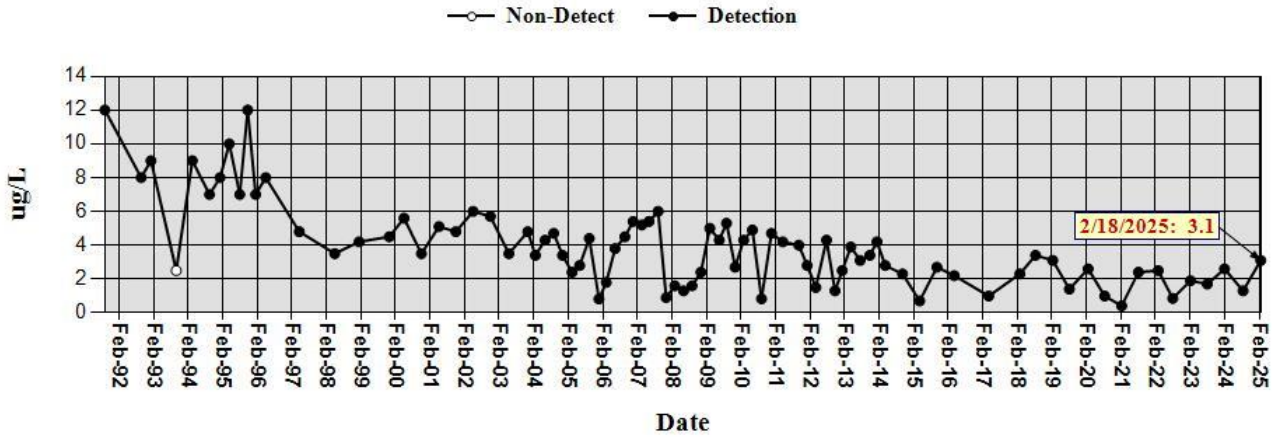
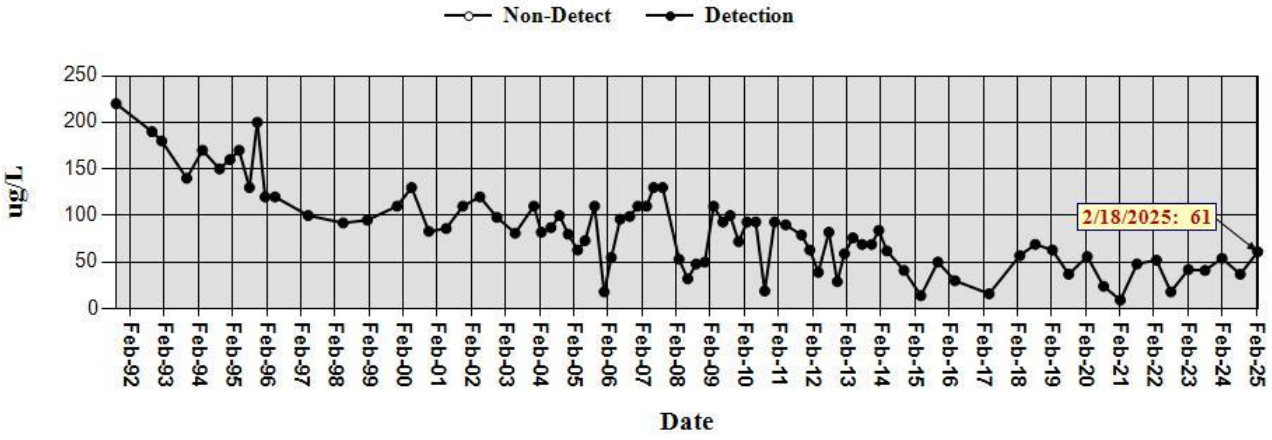
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: BLM-21-400
CAS RN: 79-01-6 Trichloroethene

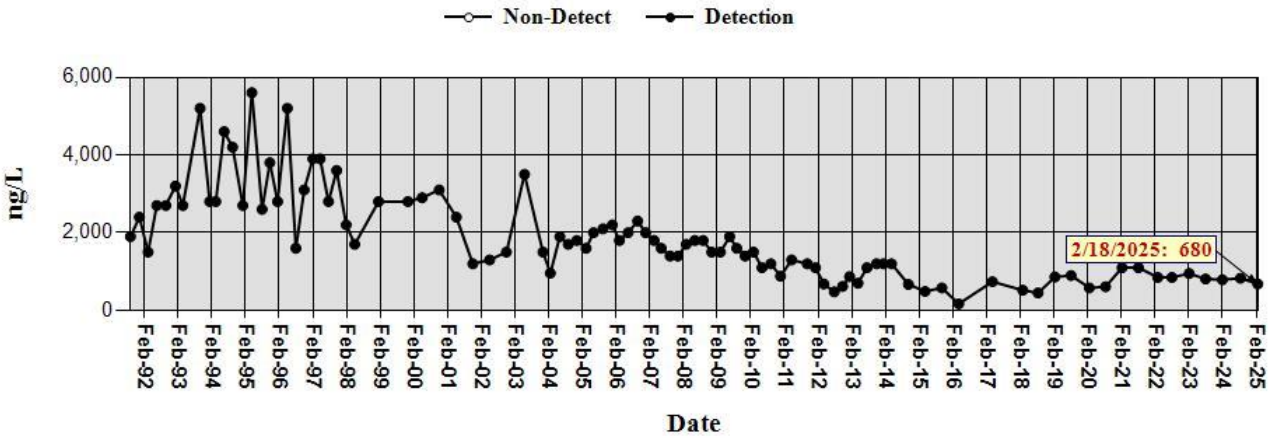
Analysis: 8260



Well ID: BLM-21-400
CAS RN: 62-75-9 N-Nitrosodimethylamine

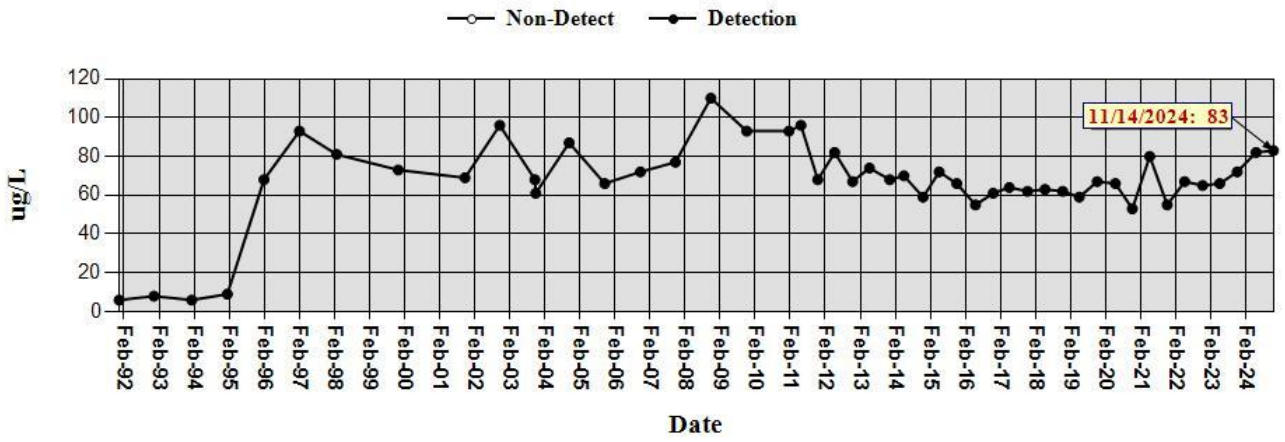
Analysis: 607

Results are Corrected for Extraction Efficiency



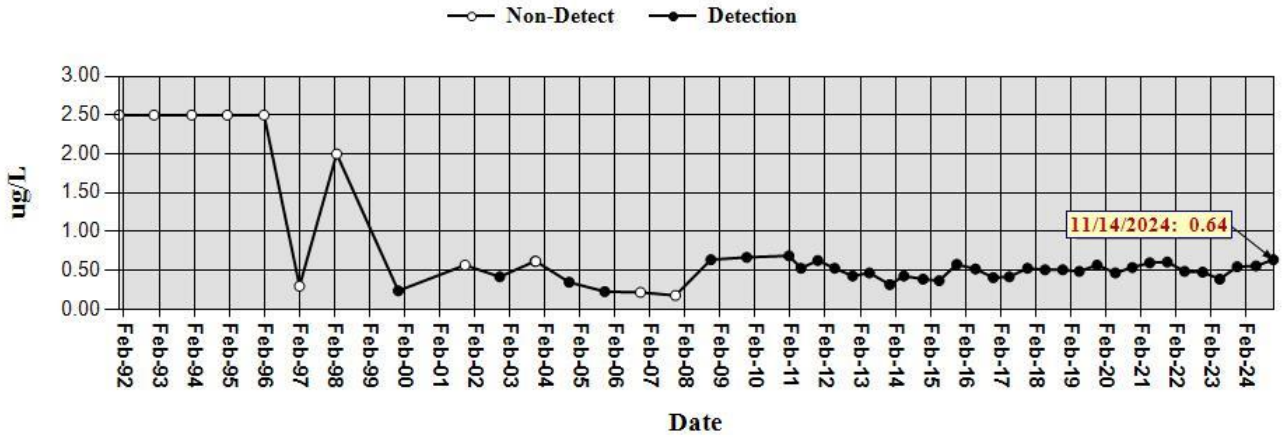
Well ID: BLM-26-404
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



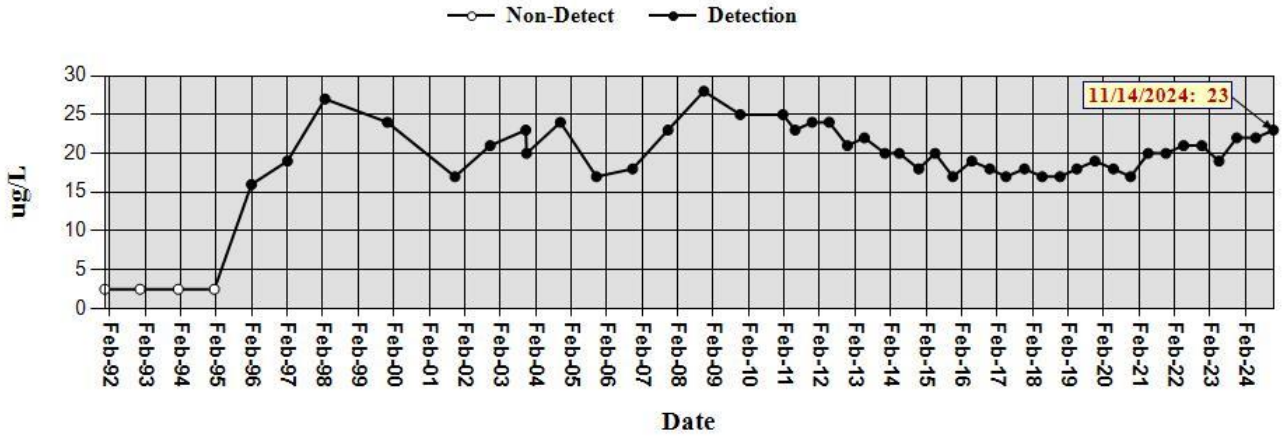
Well ID: BLM-26-404
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: BLM-26-404
CAS RN: 79-01-6 Trichloroethene

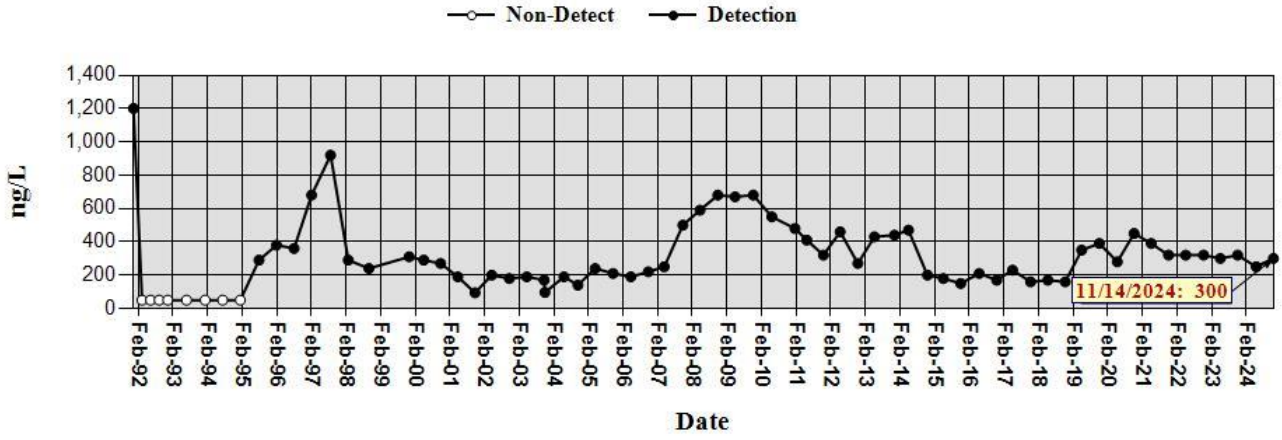
Analysis: 8260



Well ID: BLM-26-404
CAS RN: 62-75-9 N-Nitrosodimethylamine

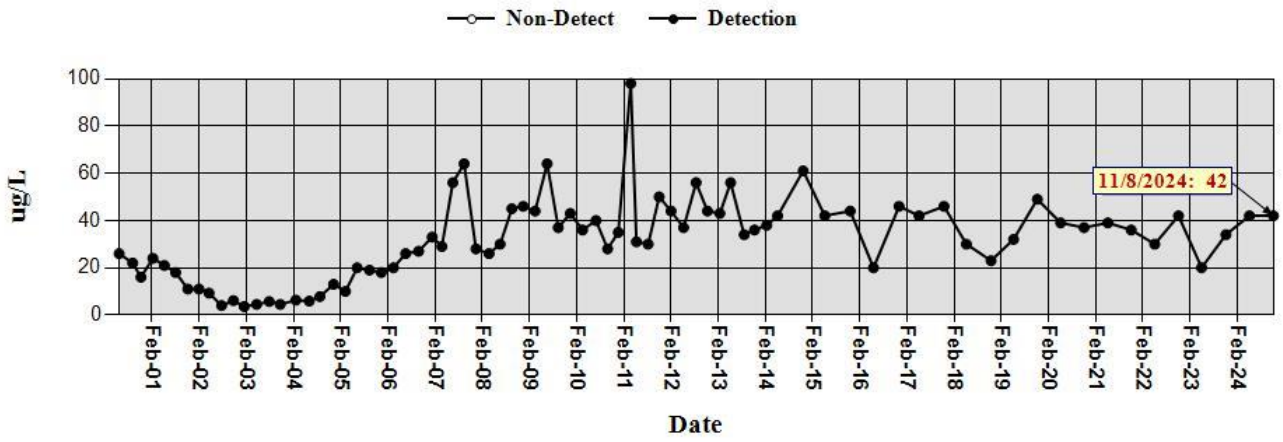
Analysis: 607

Results are Corrected for Extraction Efficiency



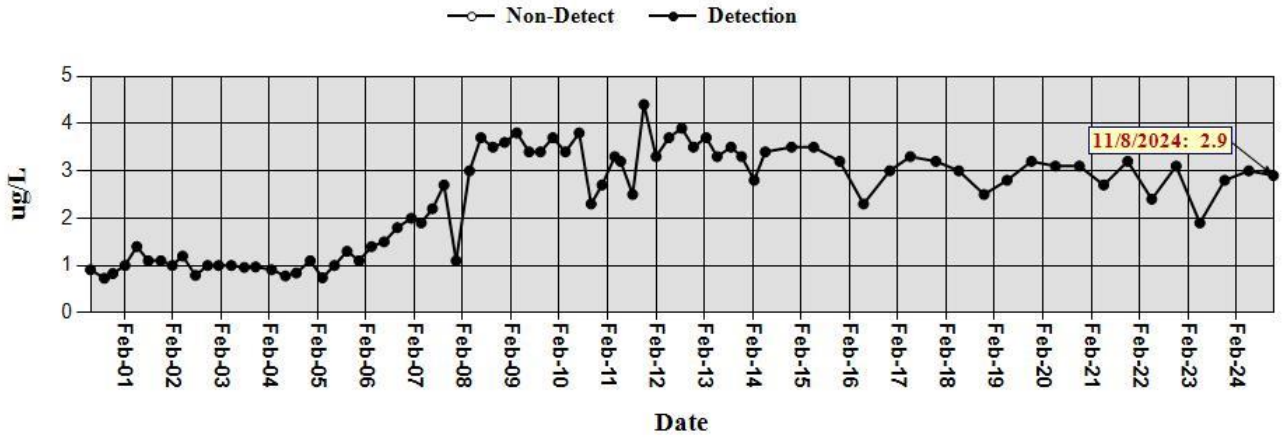
Well ID: BLM-36-350
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



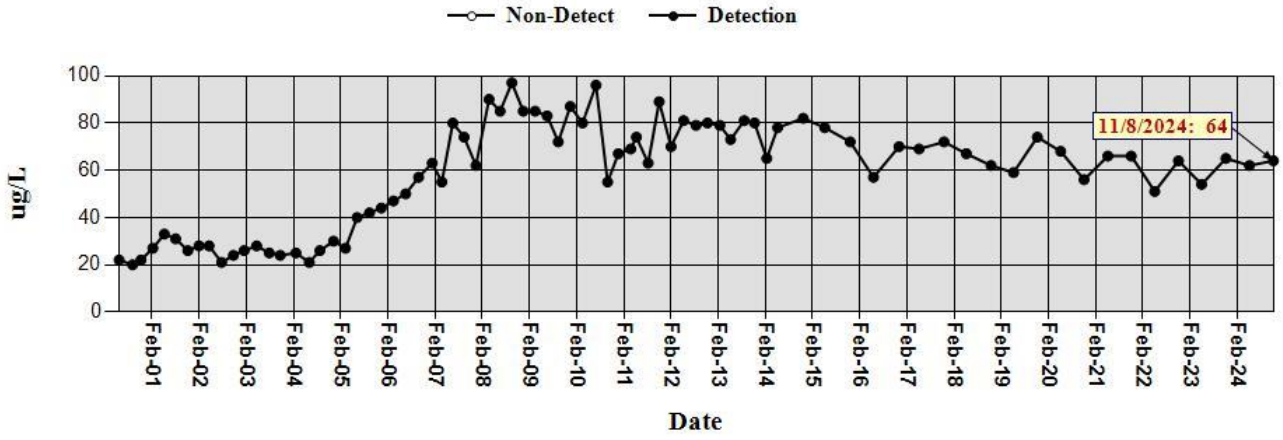
Well ID: BLM-36-350
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: BLM-36-350
CAS RN: 79-01-6 Trichloroethene

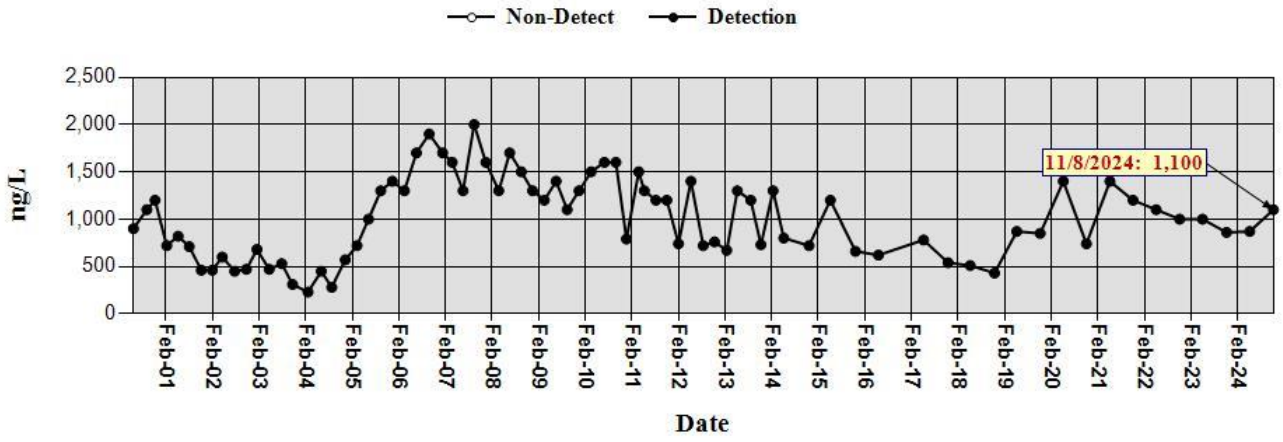
Analysis: 8260



Well ID: BLM-36-350
CAS RN: 62-75-9 N-Nitrosodimethylamine

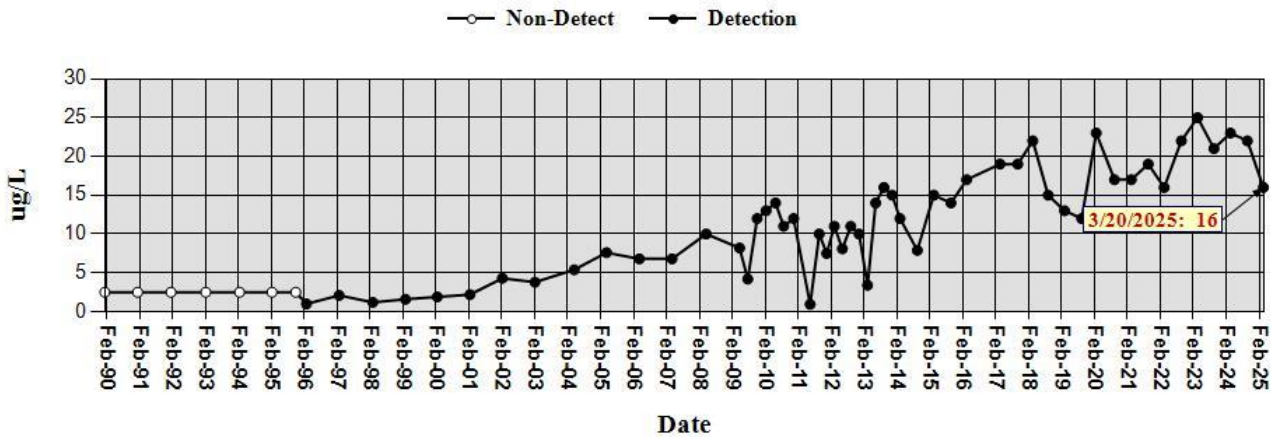
Analysis: 607

Results are Corrected for Extraction Efficiency



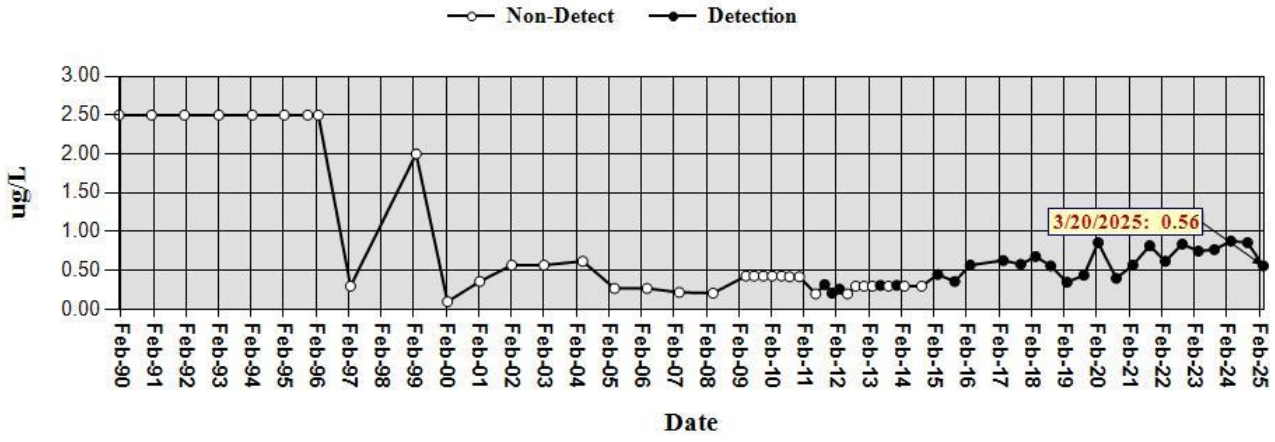
Well ID: BLM-5-527
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



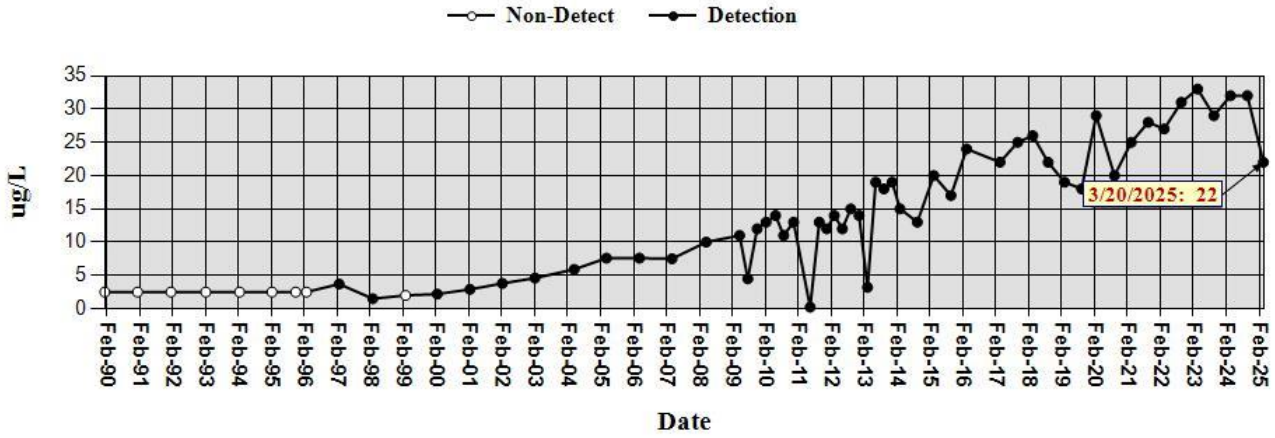
Well ID: BLM-5-527
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



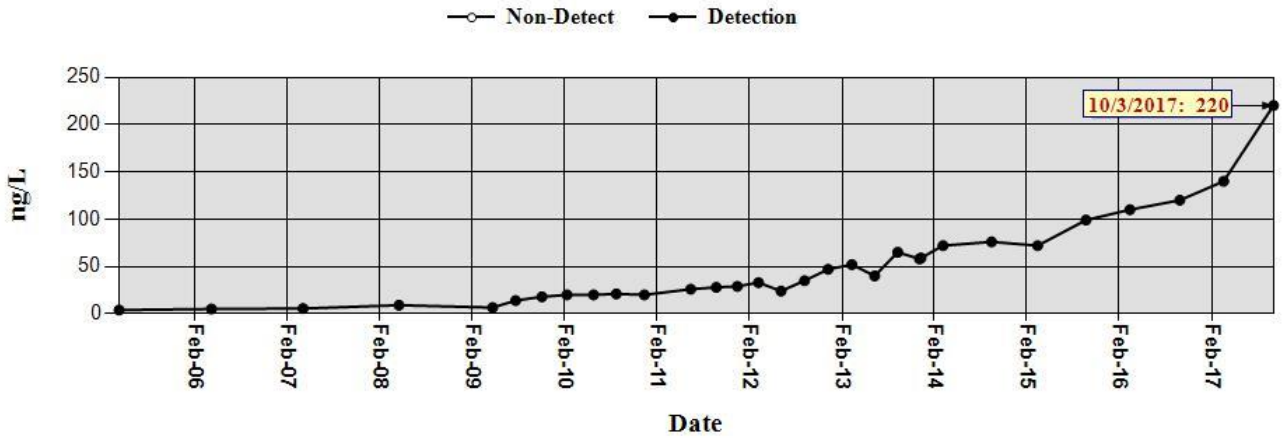
Well ID: BLM-5-527
CAS RN: 79-01-6 Trichloroethene

Analysis: 8260



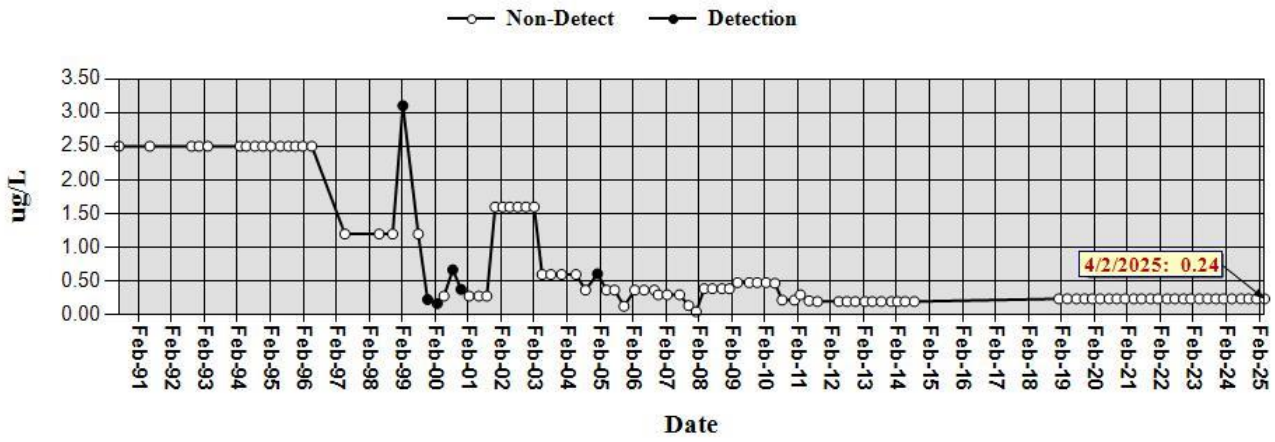
Well ID: BLM-5-527
CAS RN: 62-75-9 N-Nitrosodimethylamine

Analysis: NDMA_LL



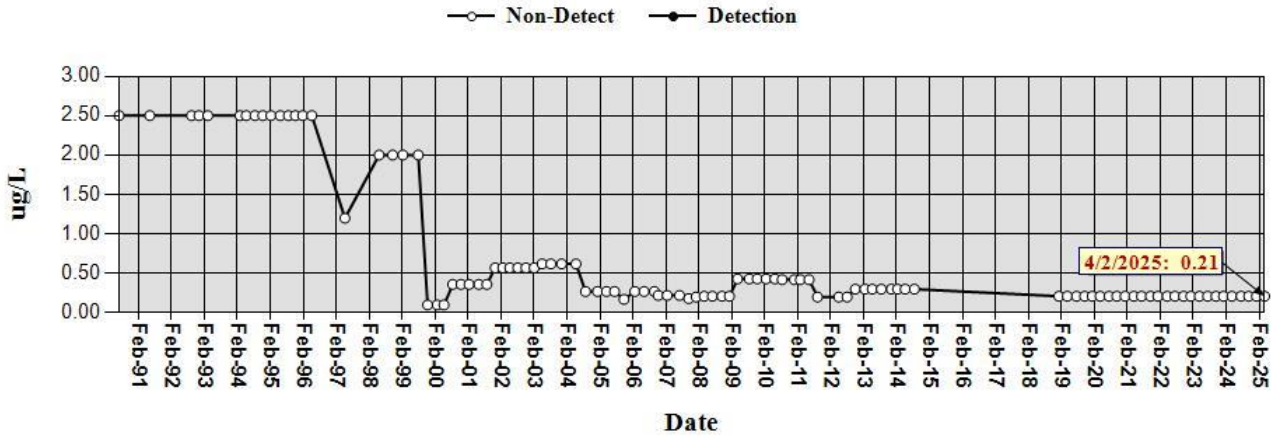
Well ID: BLM-6-488
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



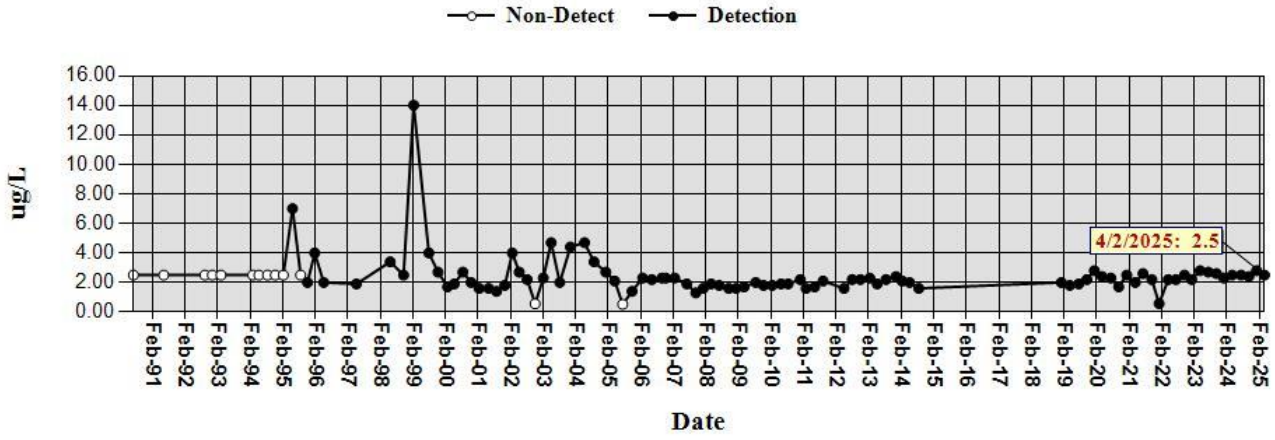
Well ID: BLM-6-488
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



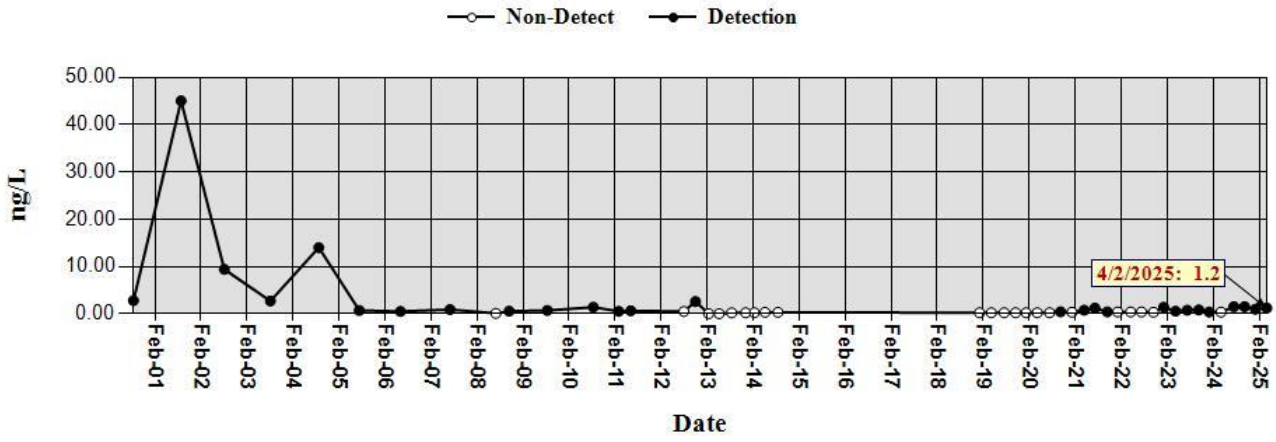
Well ID: BLM-6-488
CAS RN: 79-01-6 Trichloroethene

Analysis: 8260



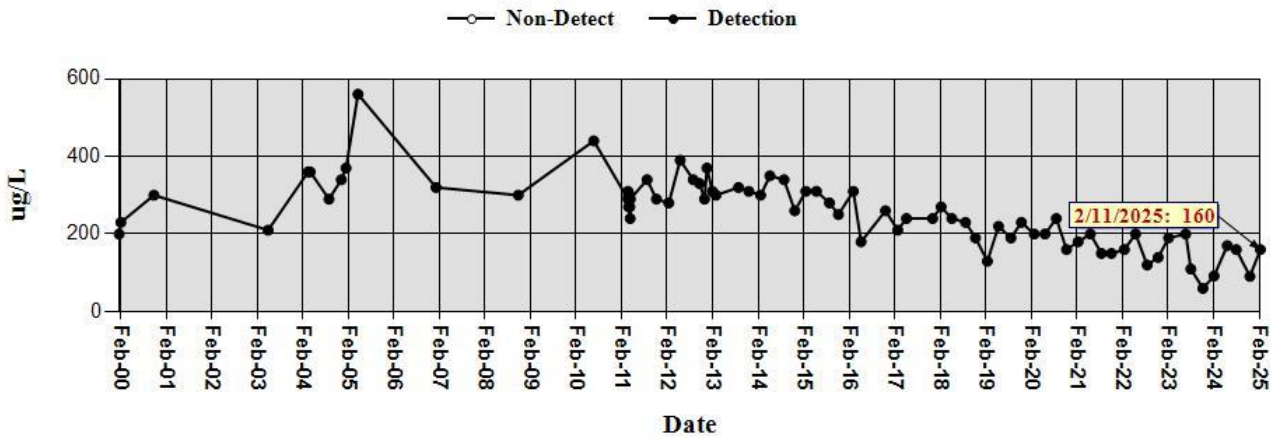
Well ID: BLM-6-488
CAS RN: 62-75-9 N-Nitrosodimethylamine

Analysis: NDMA_LL



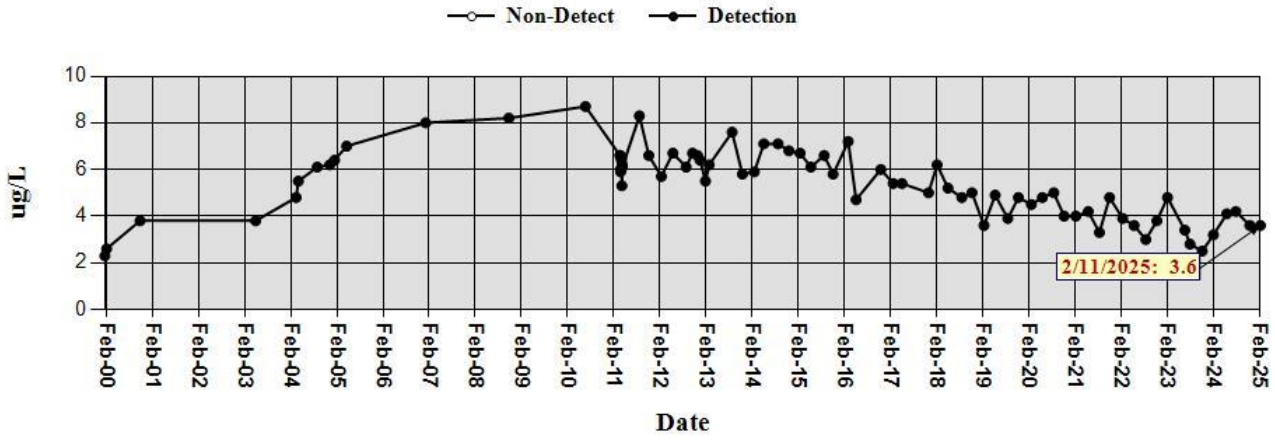
Well ID: MPE-1
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



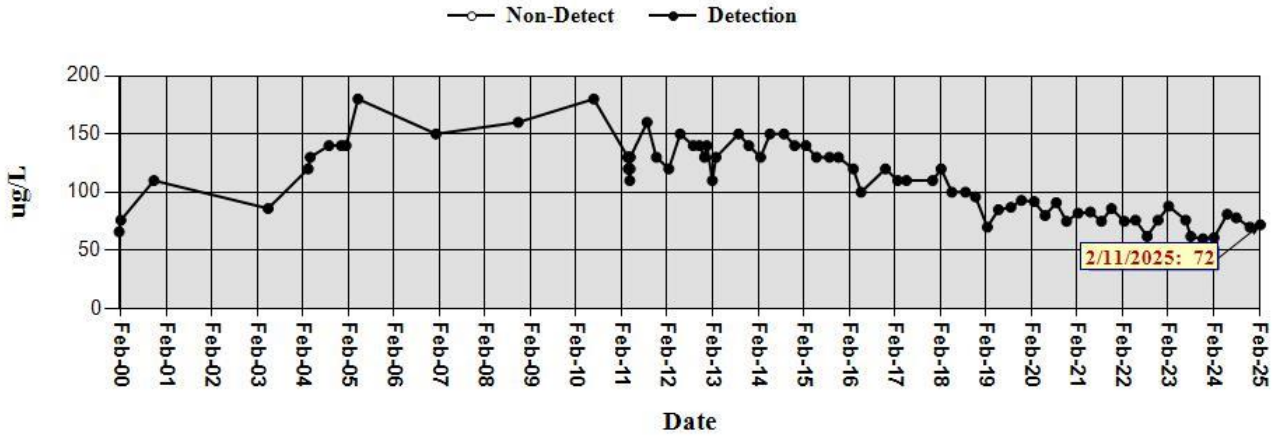
Well ID: MPE-1
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: MPE-1
CAS RN: 79-01-6 Trichloroethene

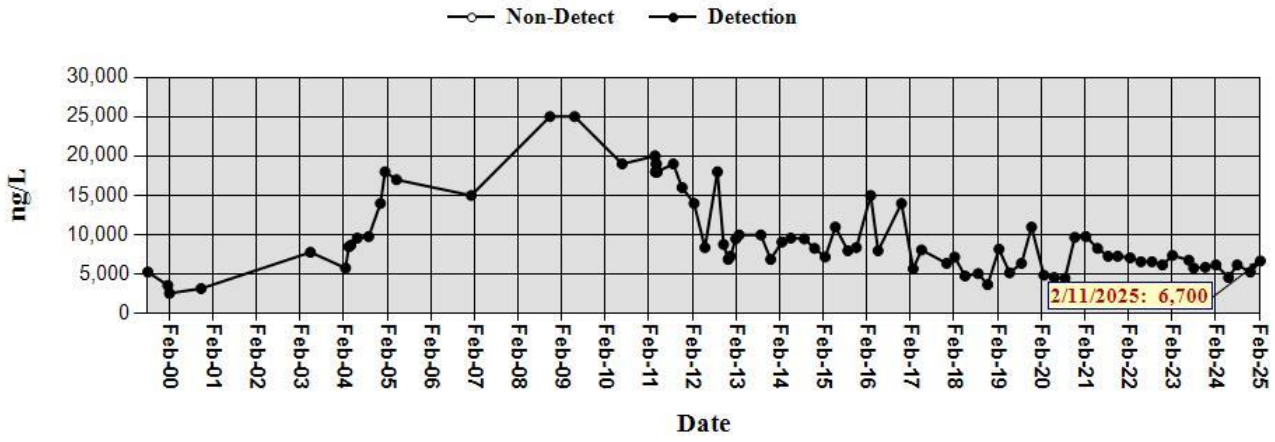
Analysis: 8260



Well ID: MPE-1
CAS RN: 62-75-9 N-Nitrosodimethylamine

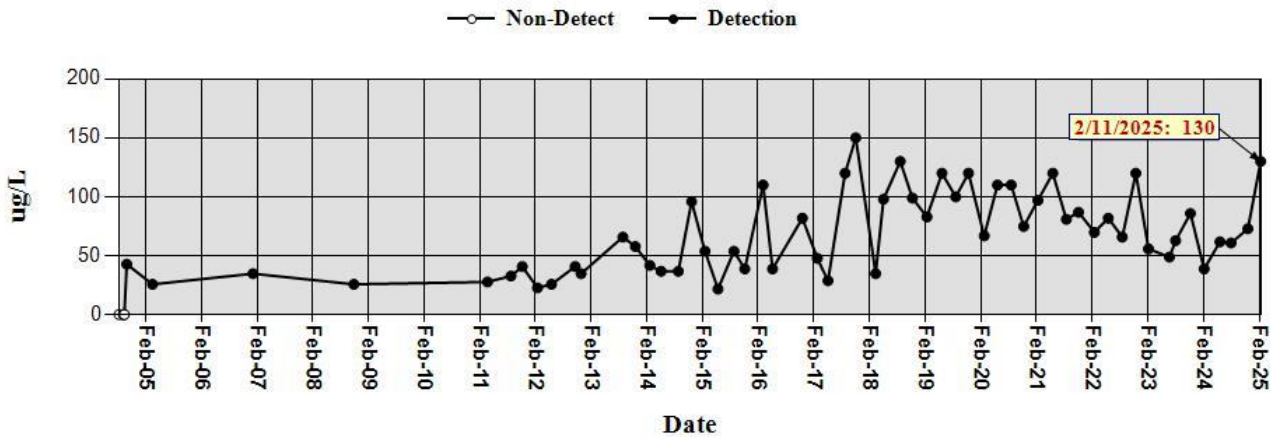
Analysis: 607

Results are Corrected for Extraction Efficiency



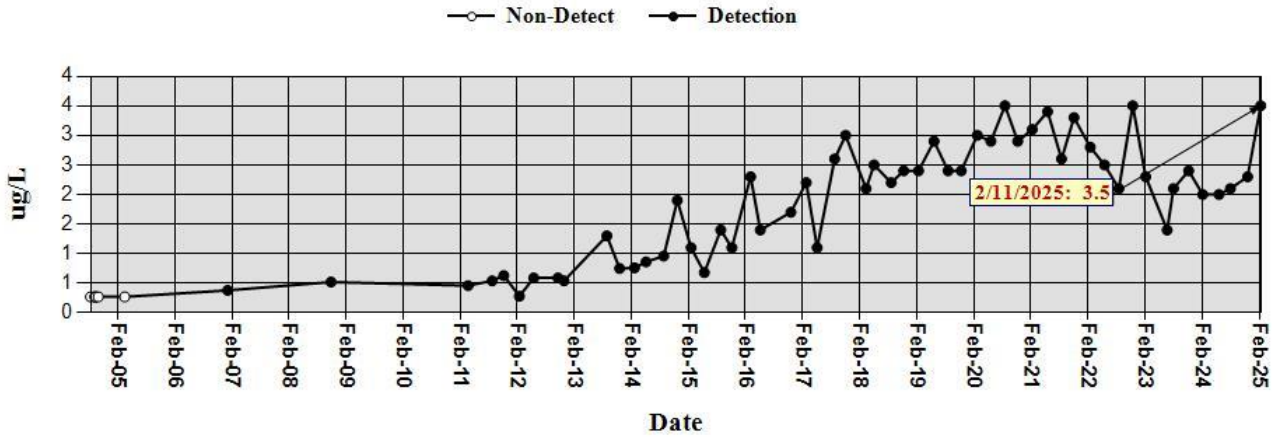
Well ID: MPE-10
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



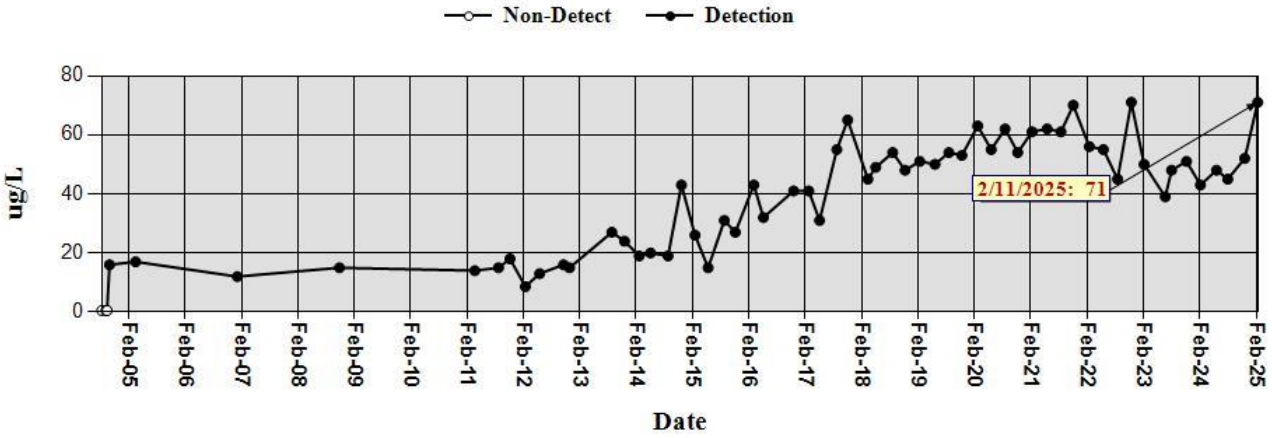
Well ID: MPE-10
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: MPE-10
CAS RN: 79-01-6 Trichloroethene

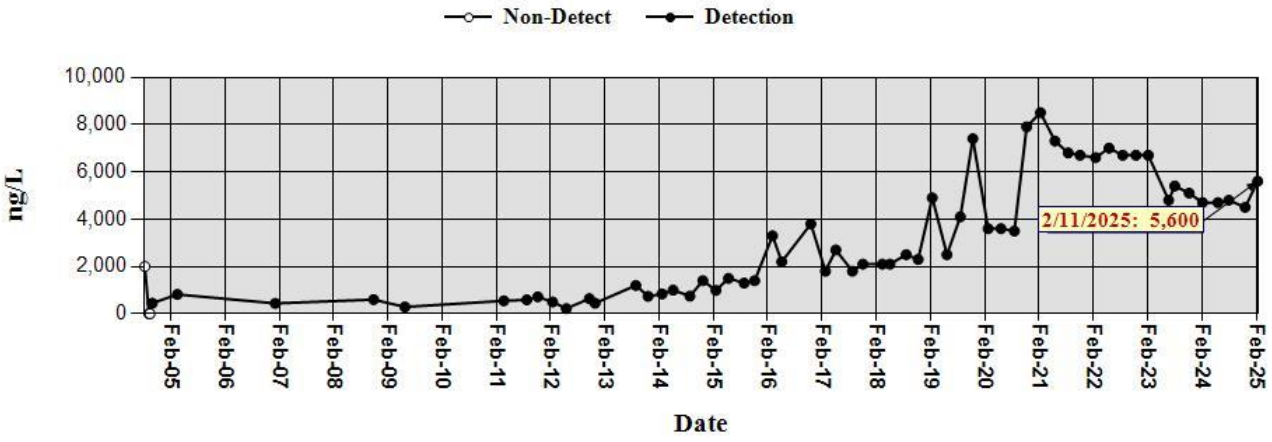
Analysis: 8260



Well ID: MPE-10
CAS RN: 62-75-9 N-Nitrosodimethylamine

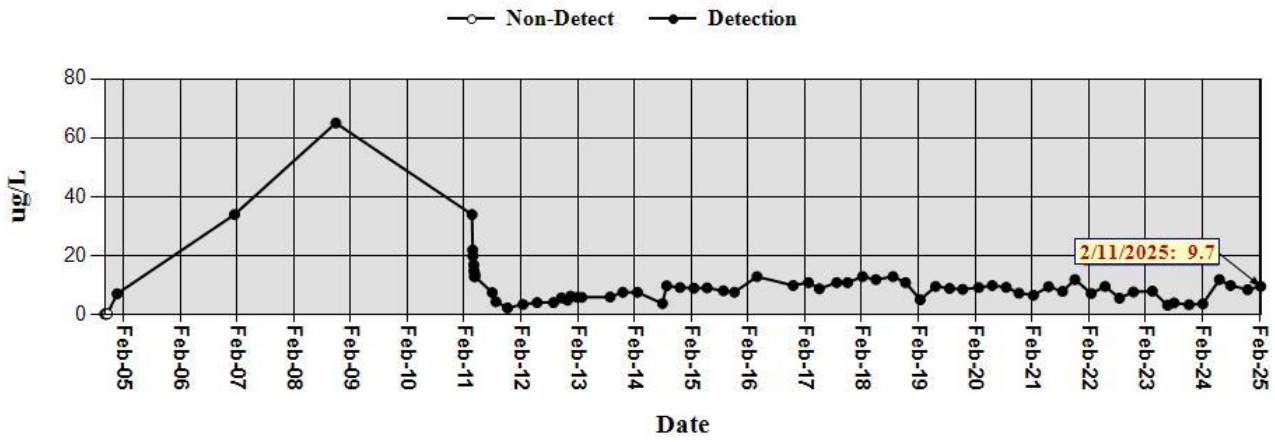
Analysis: 607

Results are Corrected for Extraction Efficiency



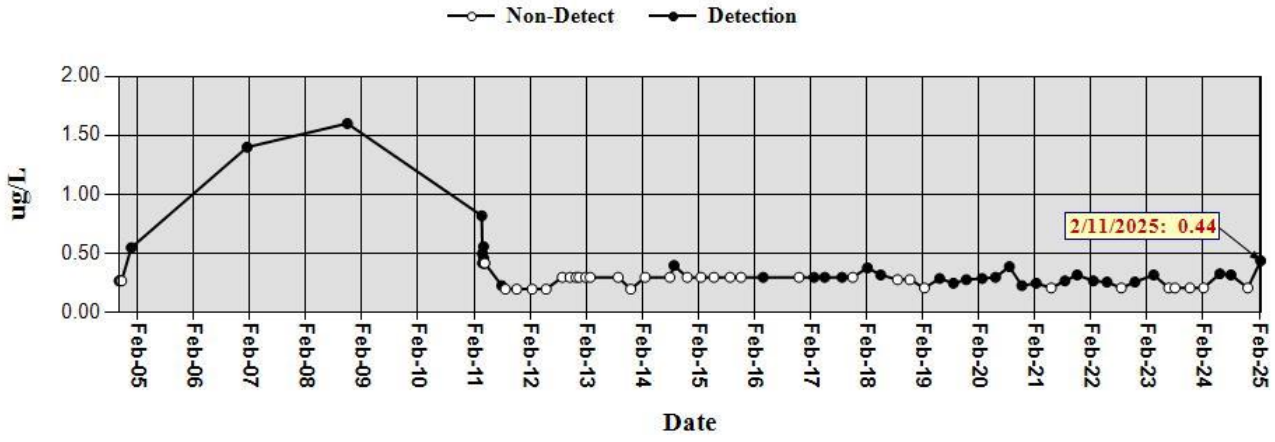
Well ID: MPE-11
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



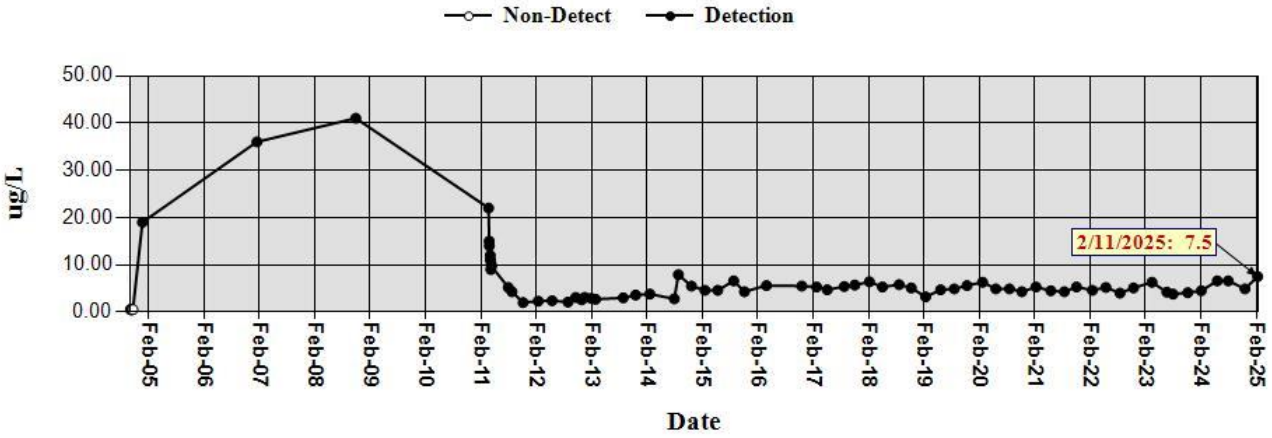
Well ID: MPE-11
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: MPE-11
CAS RN: 79-01-6 Trichloroethene

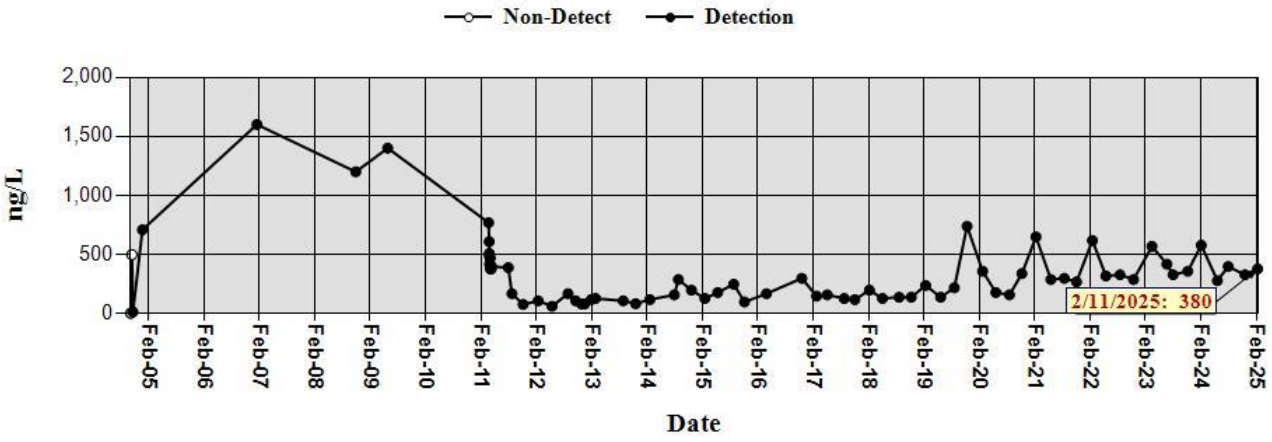
Analysis: 8260



Well ID: MPE-11
CAS RN: 62-75-9 N-Nitrosodimethylamine

Analysis: 607

Results are Corrected for Extraction Efficiency



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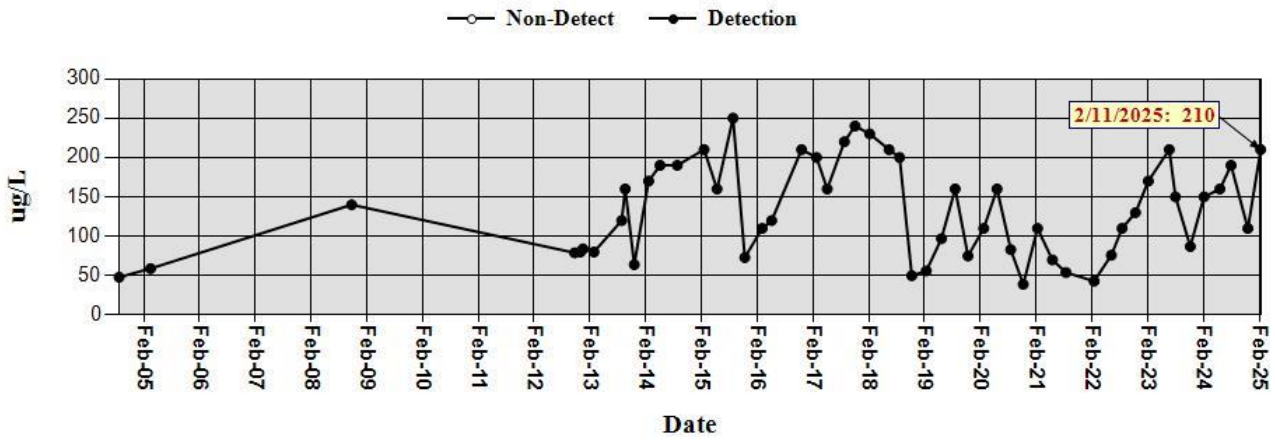
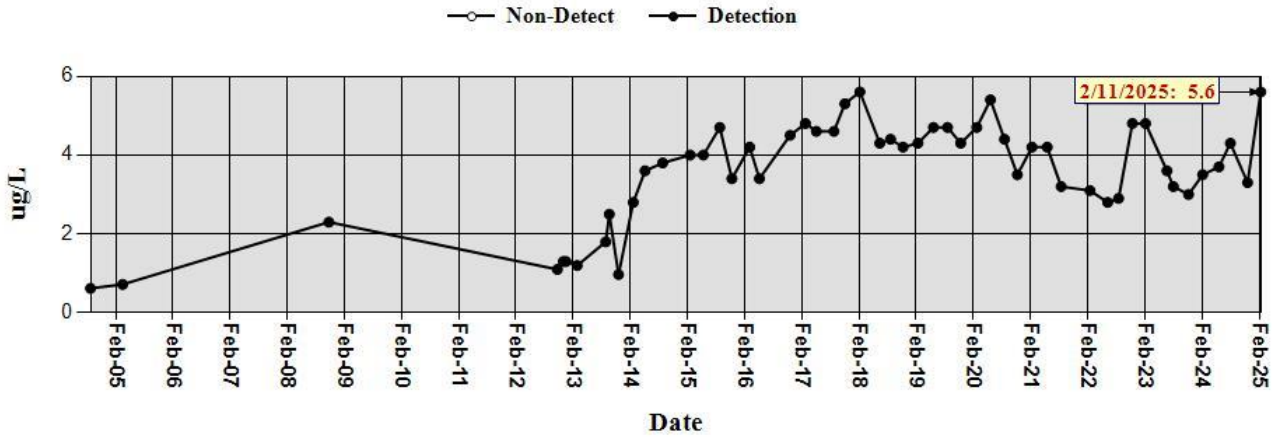
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



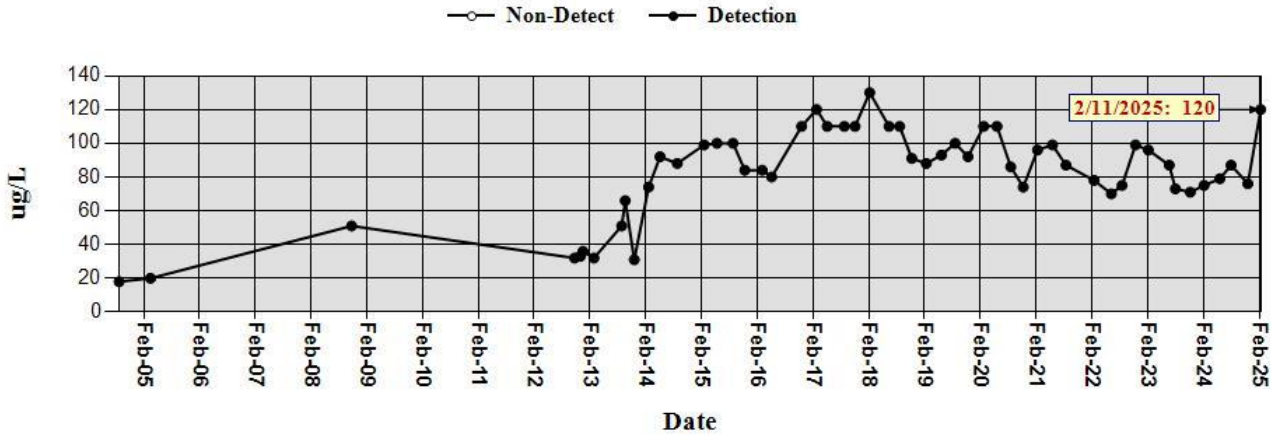
Well ID: MPE-9
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: MPE-9
CAS RN: 79-01-6 Trichloroethene

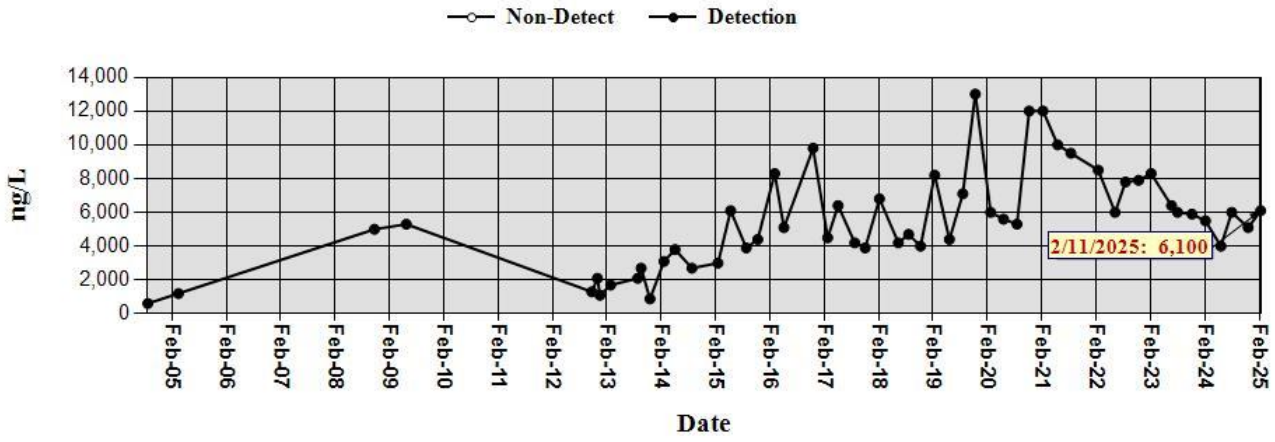
Analysis: 8260



Well ID: MPE-9
CAS RN: 62-75-9 N-Nitrosodimethylamine

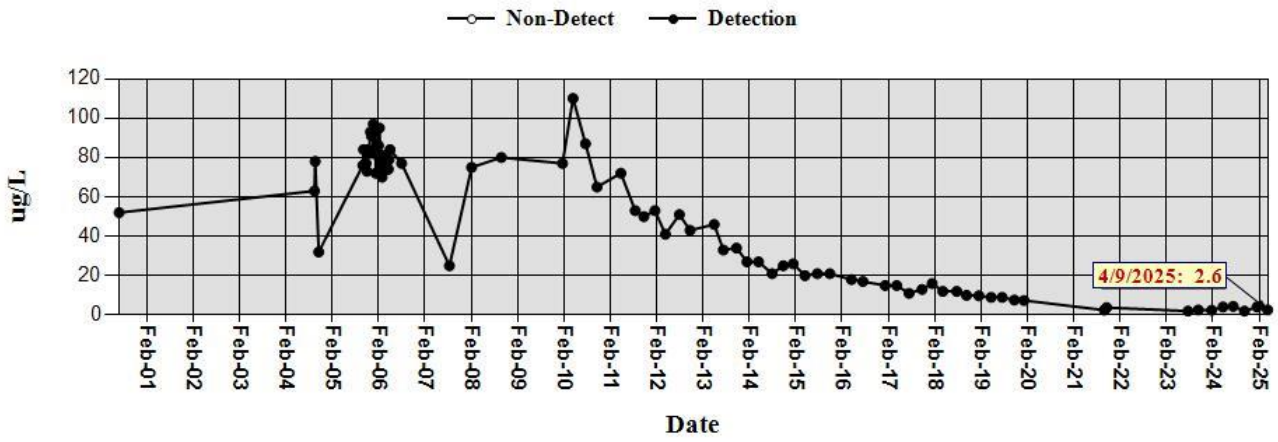
Analysis: 607

Results are Corrected for Extraction Efficiency



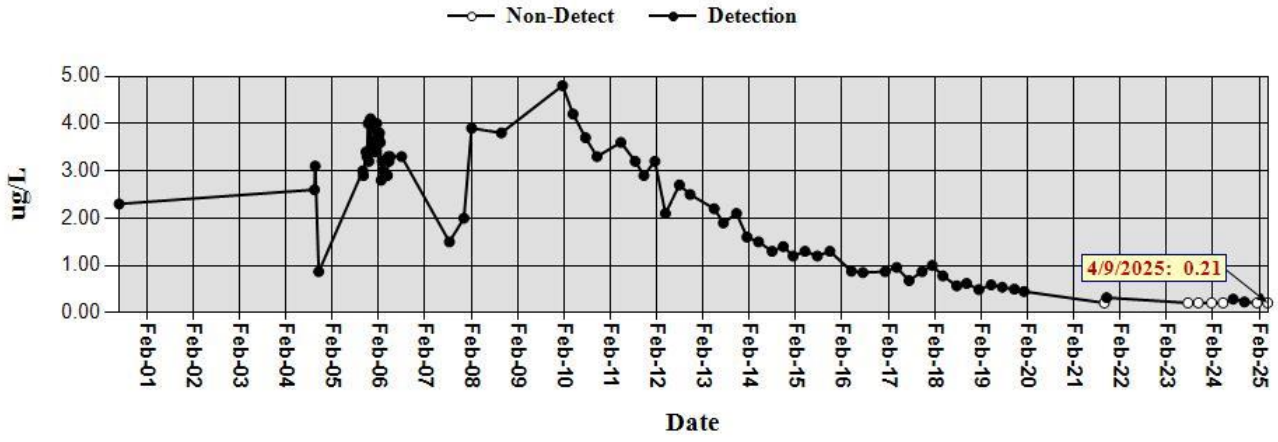
Well ID: PFE-1
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



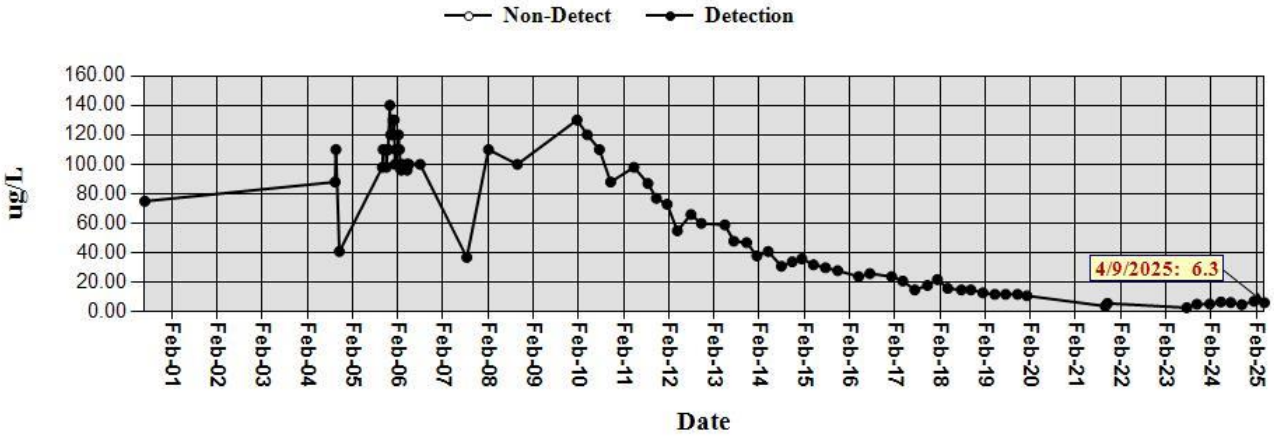
Well ID: PFE-1
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: PFE-1
CAS RN: 79-01-6 Trichloroethene

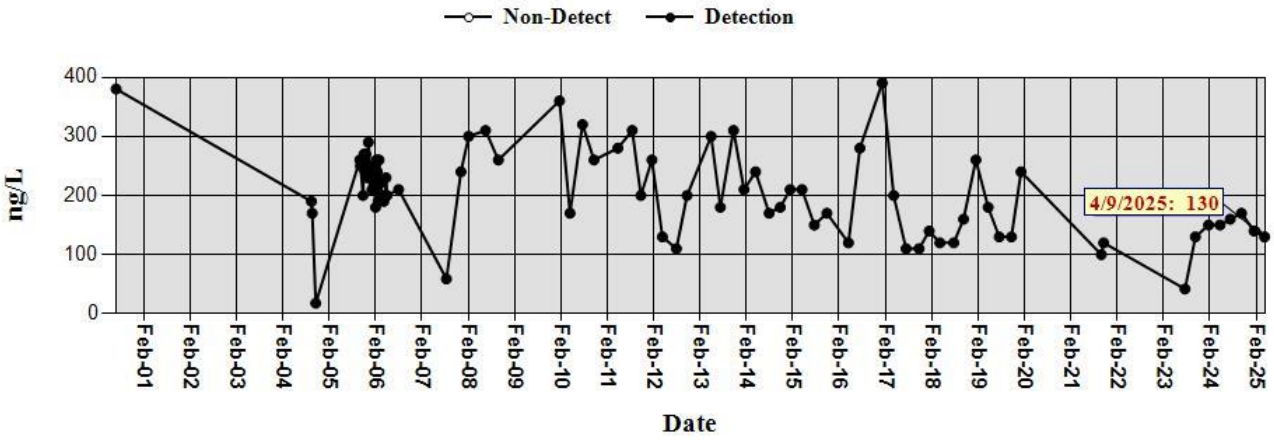
Analysis: 8260



Well ID: PFE-1
CAS RN: 62-75-9 N-Nitrosodimethylamine

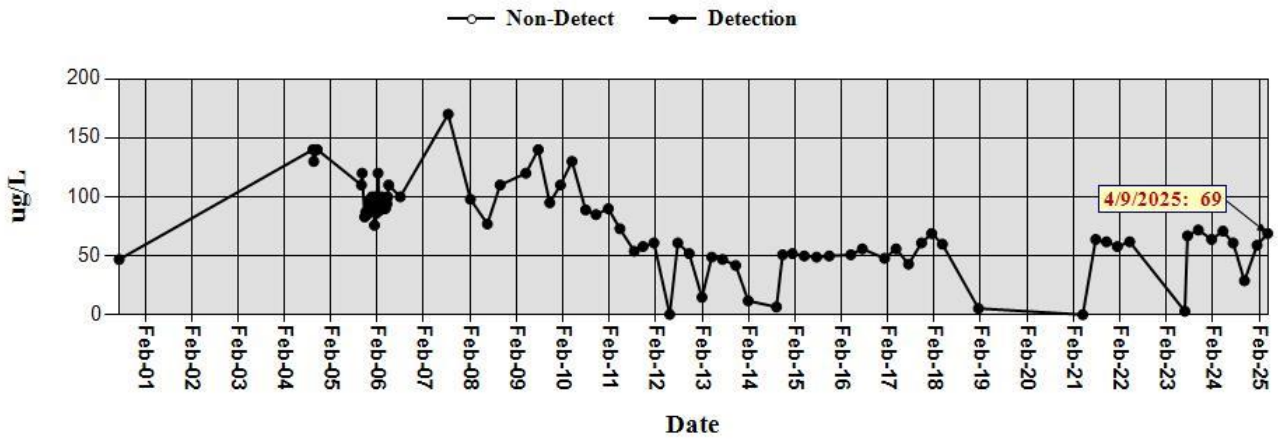
Analysis: 607

Results are Corrected for Extraction Efficiency



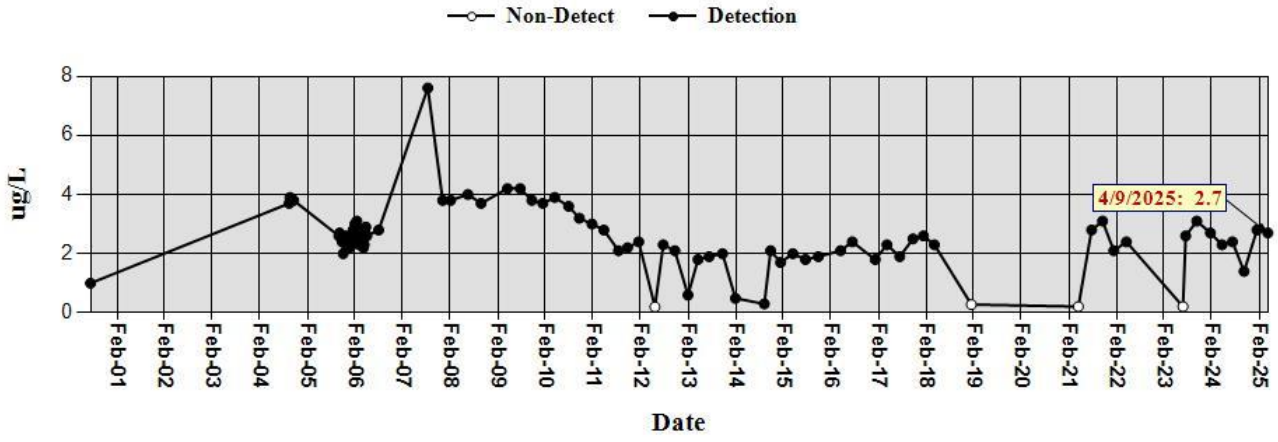
Well ID: PFE-2
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



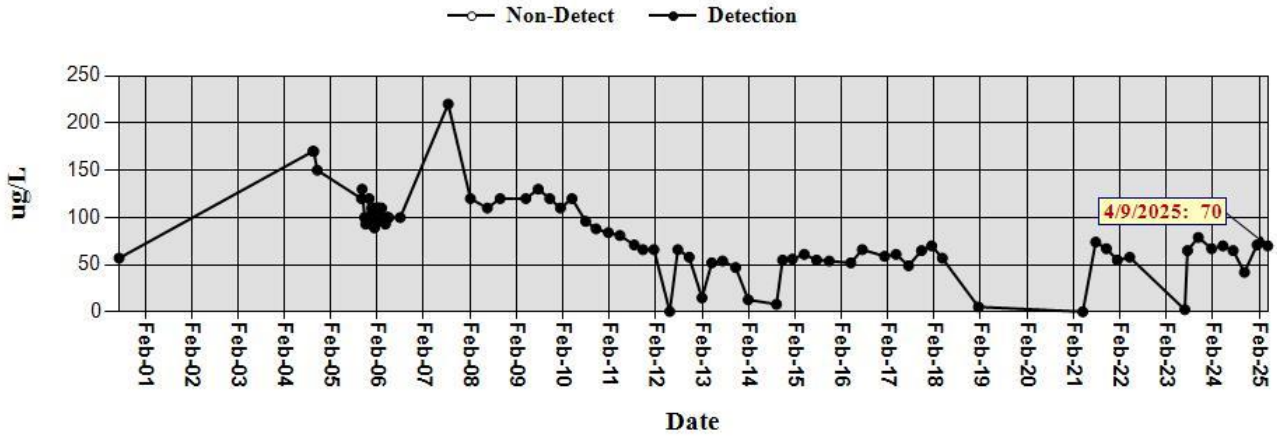
Well ID: PFE-2
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: PFE-2
CAS RN: 79-01-6 Trichloroethene

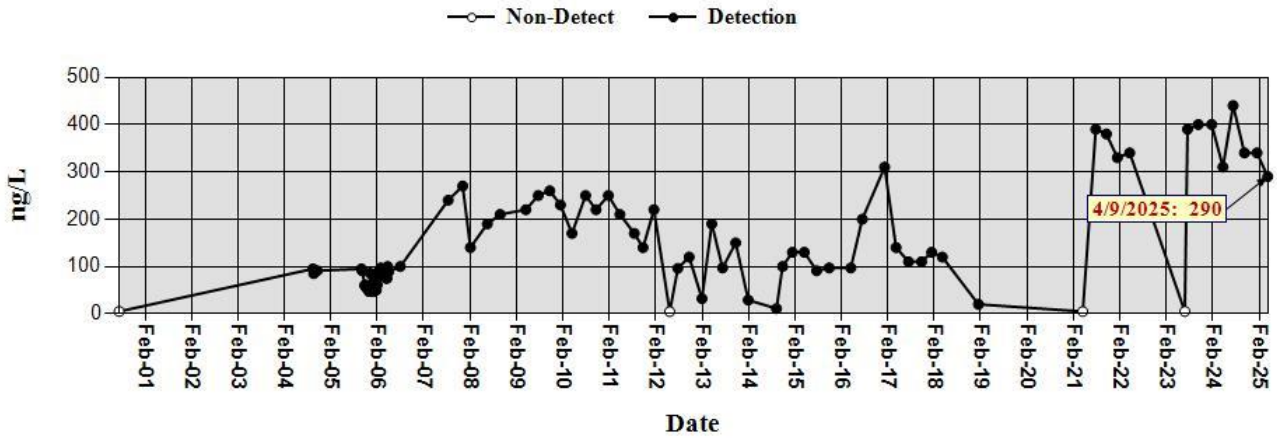
Analysis: 8260



Well ID: PFE-2
CAS RN: 62-75-9 N-Nitrosodimethylamine

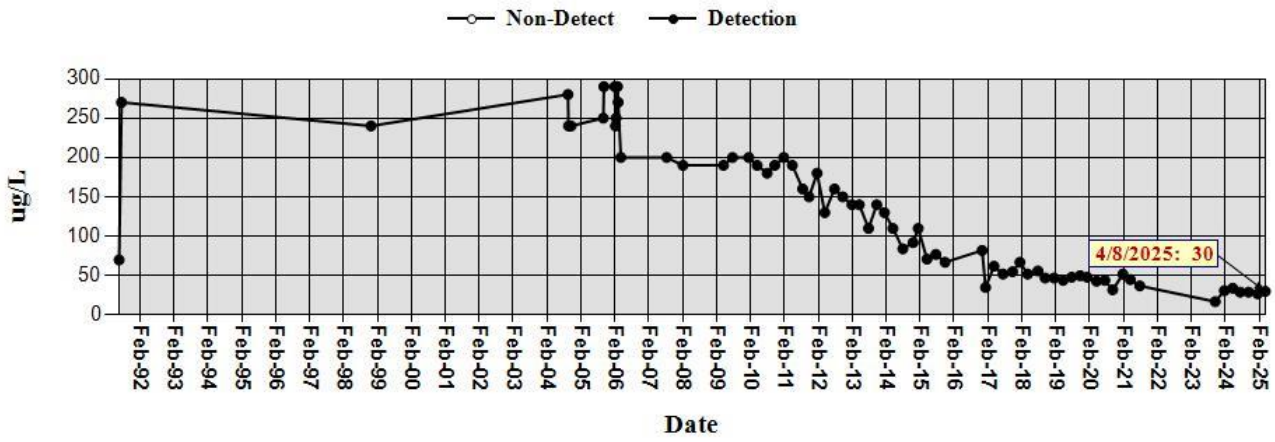
Analysis: 607

Results are Corrected for Extraction Efficiency



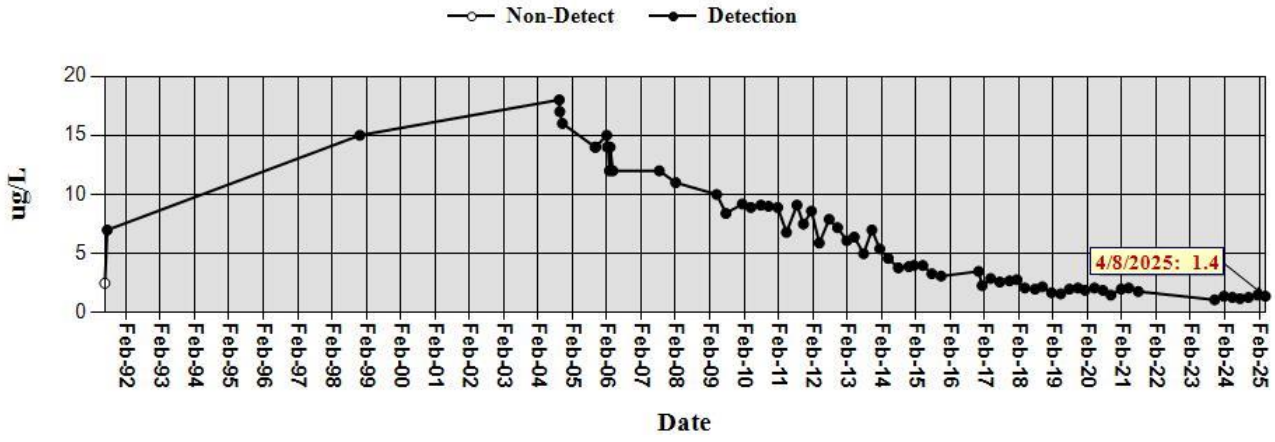
Well ID: PFE-3
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



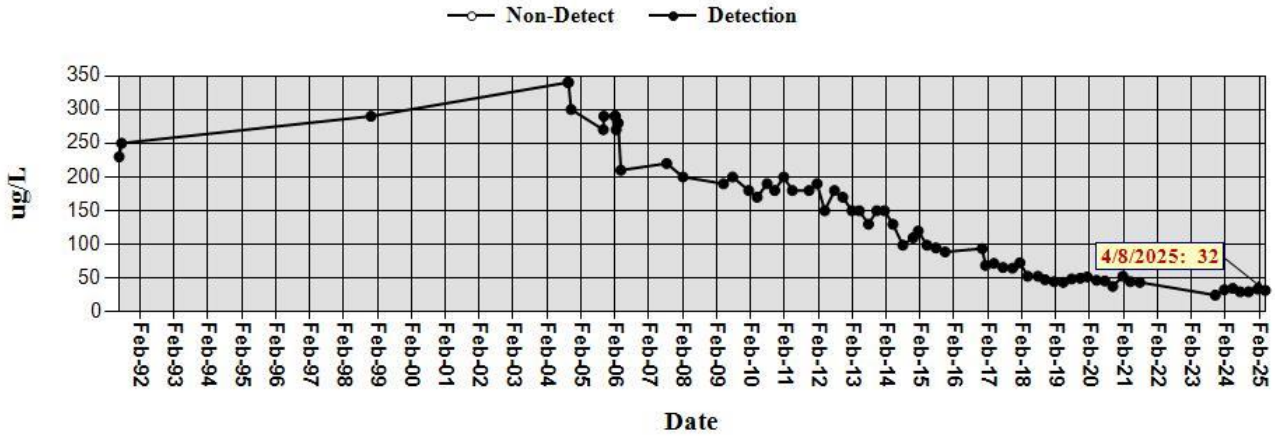
Well ID: PFE-3
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: PFE-3
CAS RN: 79-01-6 Trichloroethene

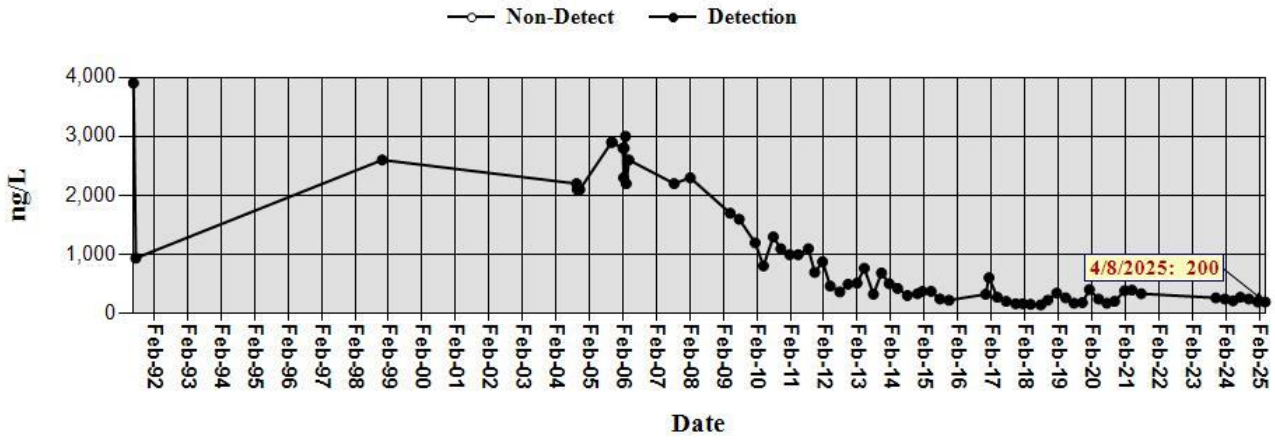
Analysis: 8260



Well ID: PFE-3
CAS RN: 62-75-9 N-Nitrosodimethylamine

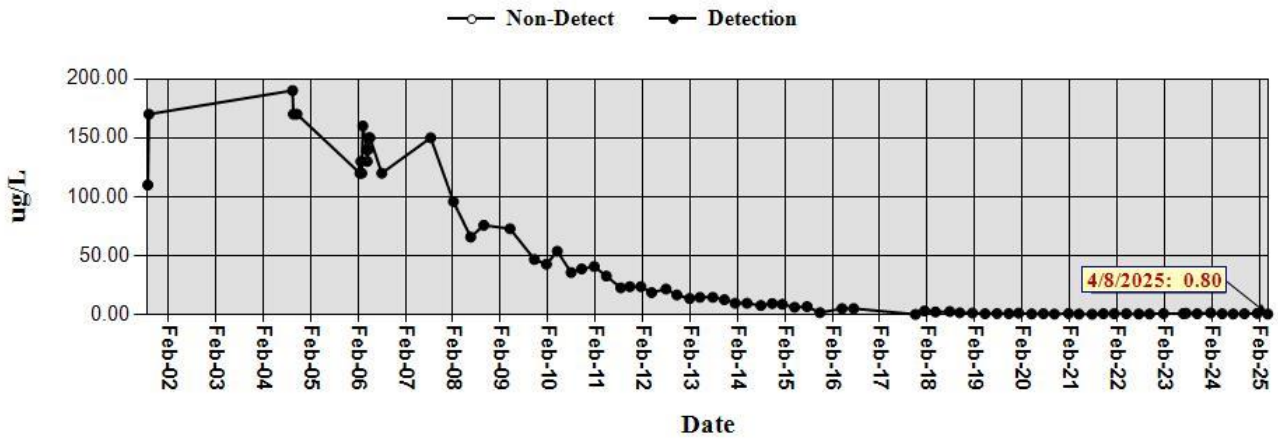
Analysis: 607

Results are Corrected for Extraction Efficiency



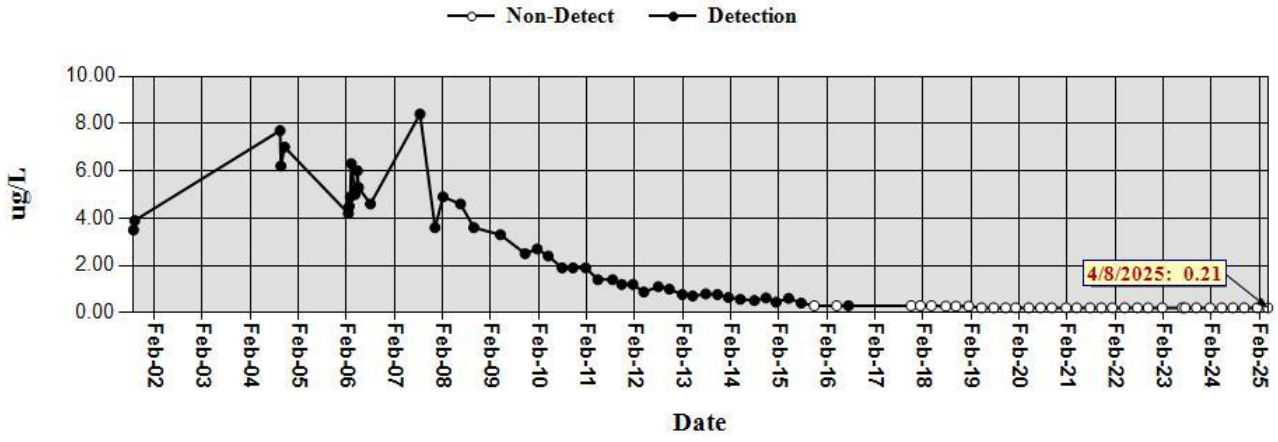
Well ID: PFE-4A
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



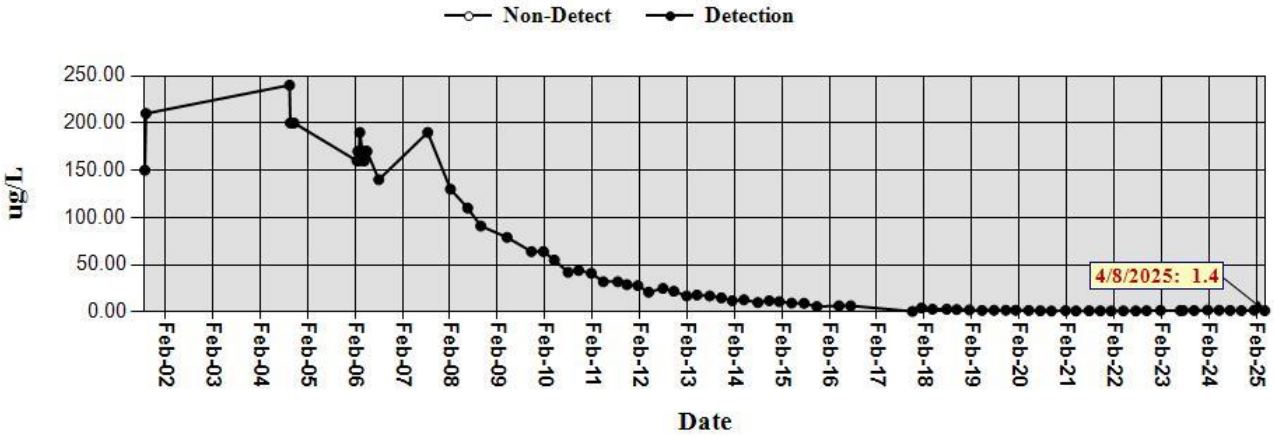
Well ID: PFE-4A
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: PFE-4A
CAS RN: 79-01-6 Trichloroethene

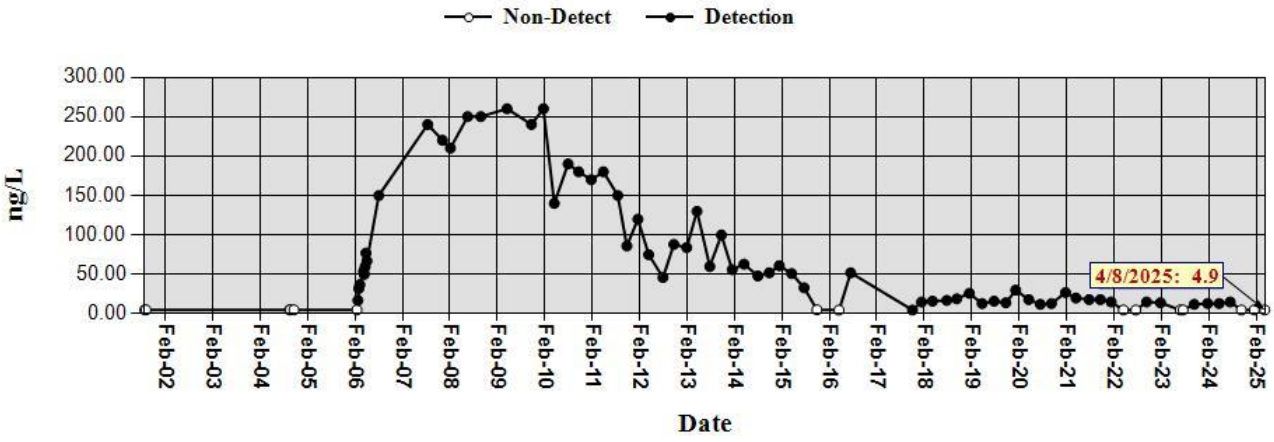
Analysis: 8260



Well ID: PFE-4A
CAS RN: 62-75-9 N-Nitrosodimethylamine

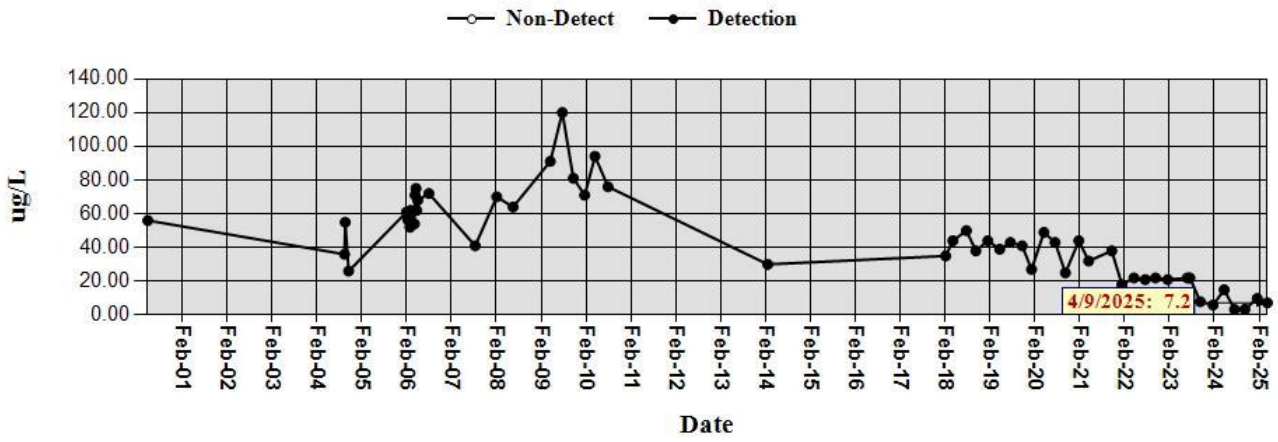
Analysis: 607

Results are Corrected for Extraction Efficiency



Well ID: PFE-5
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



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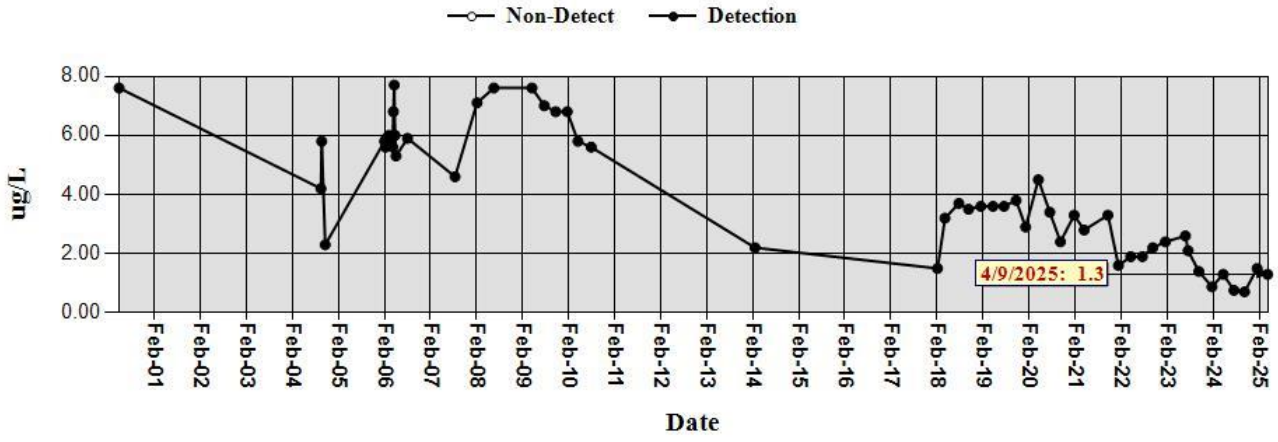

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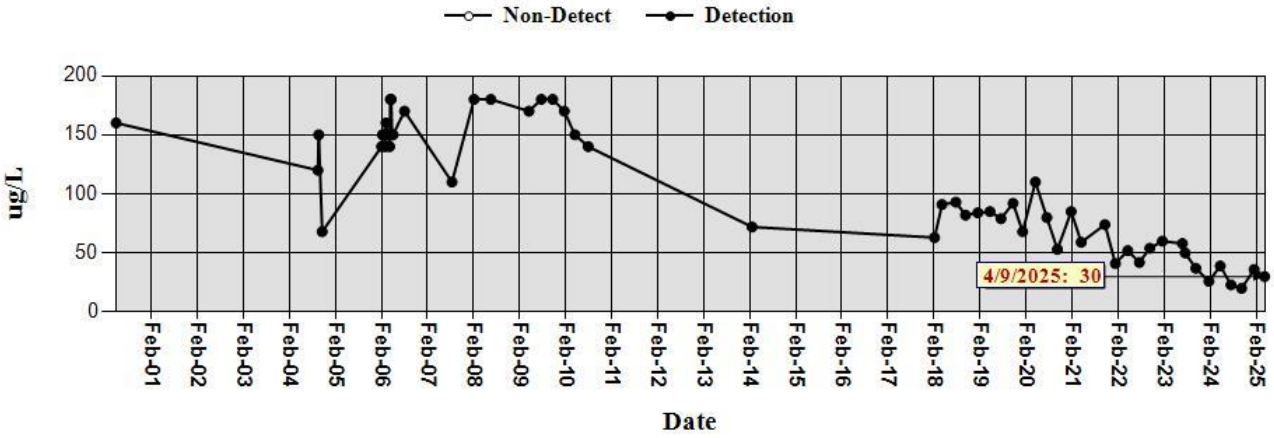

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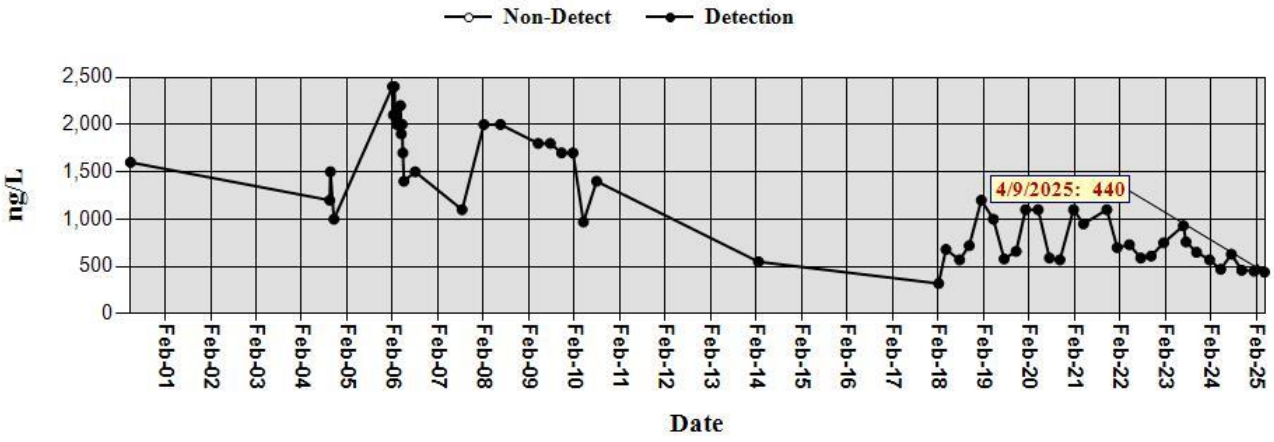
Analysis: 607

Results are Corrected for Extraction Efficiency



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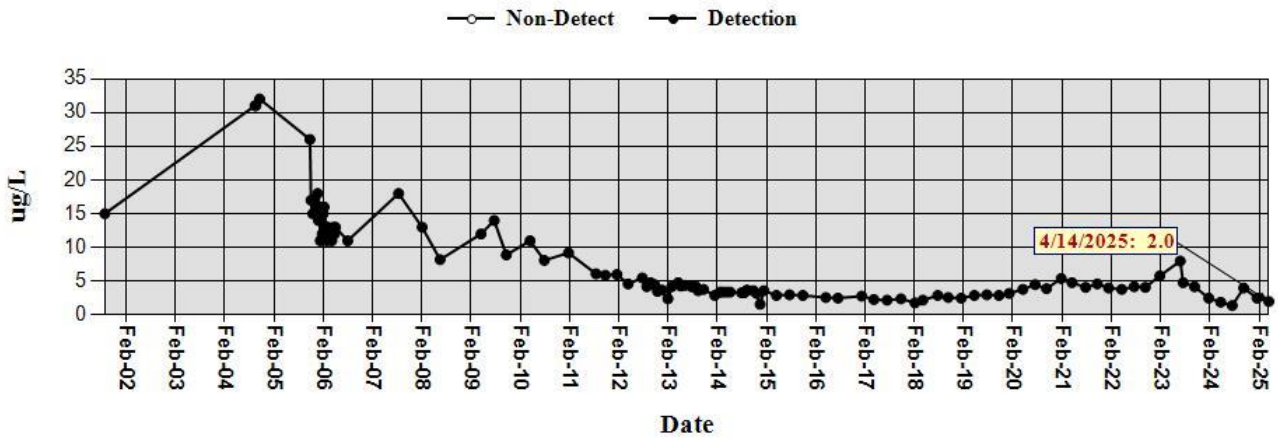
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



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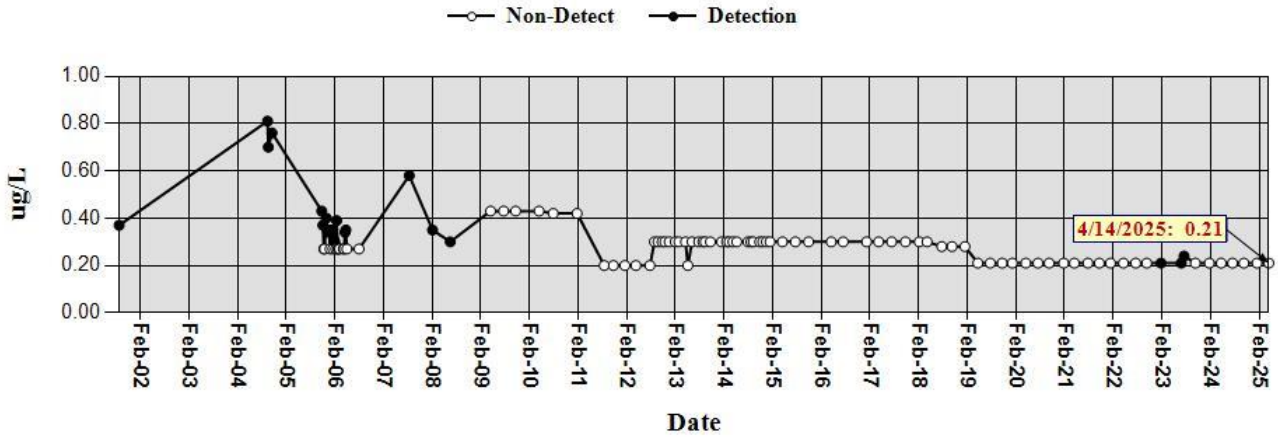

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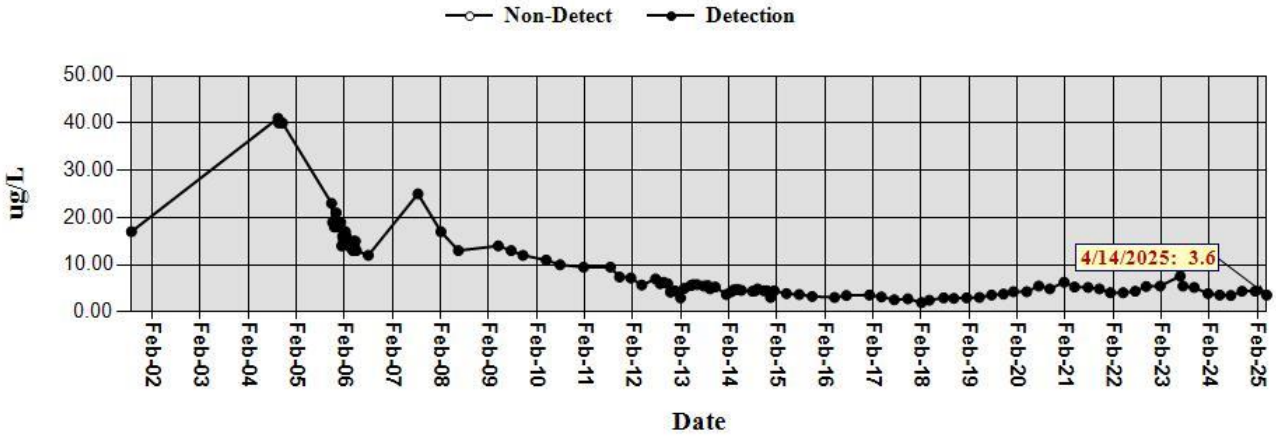

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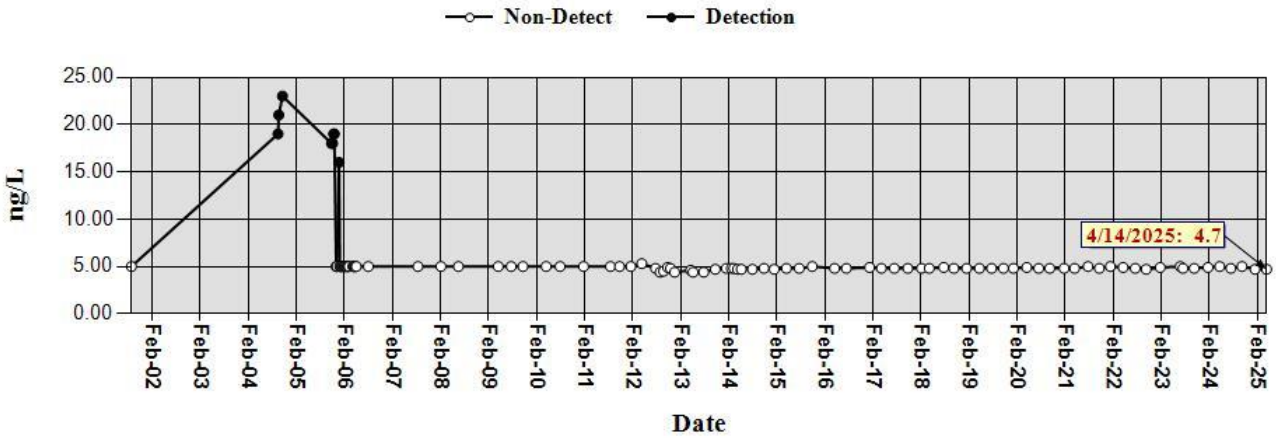
Analysis: 607

Results are Corrected for Extraction Efficiency



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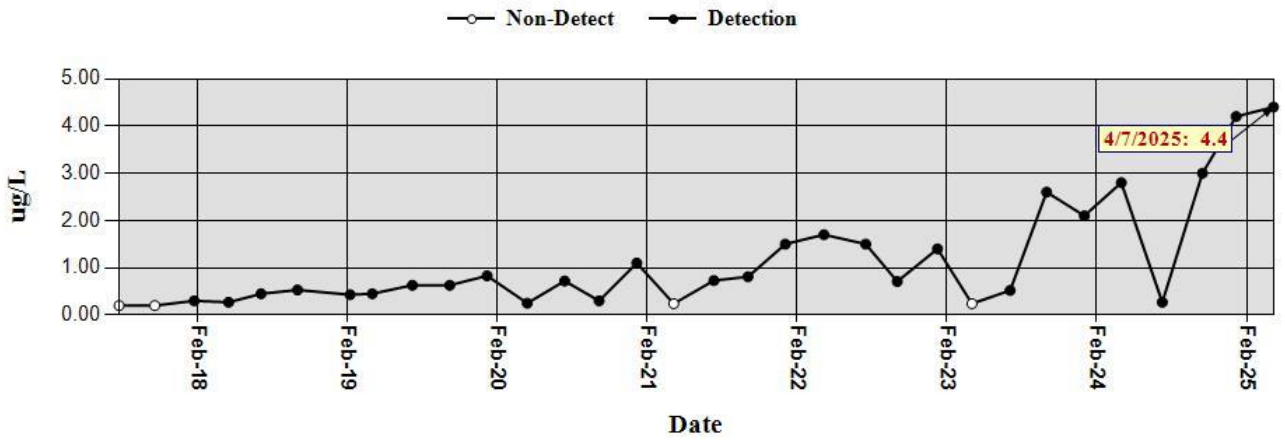
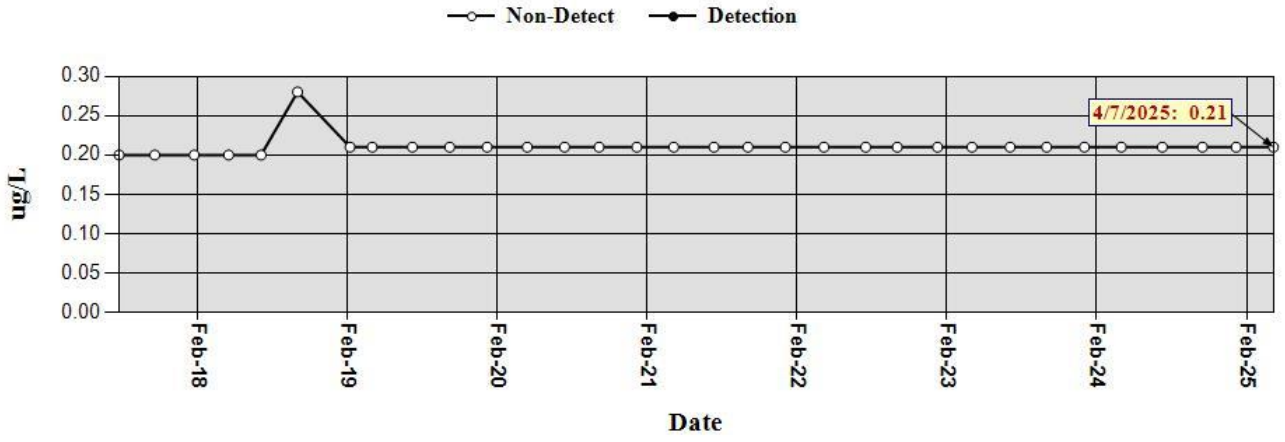
CAS RN: 75-69-4 F11 - Trichlorofluoromethane

Analysis: 8260



Well ID: ST-7-544
CAS RN: 127-18-4 Tetrachloroethene

Analysis: 8260



Well ID: ST-7-544
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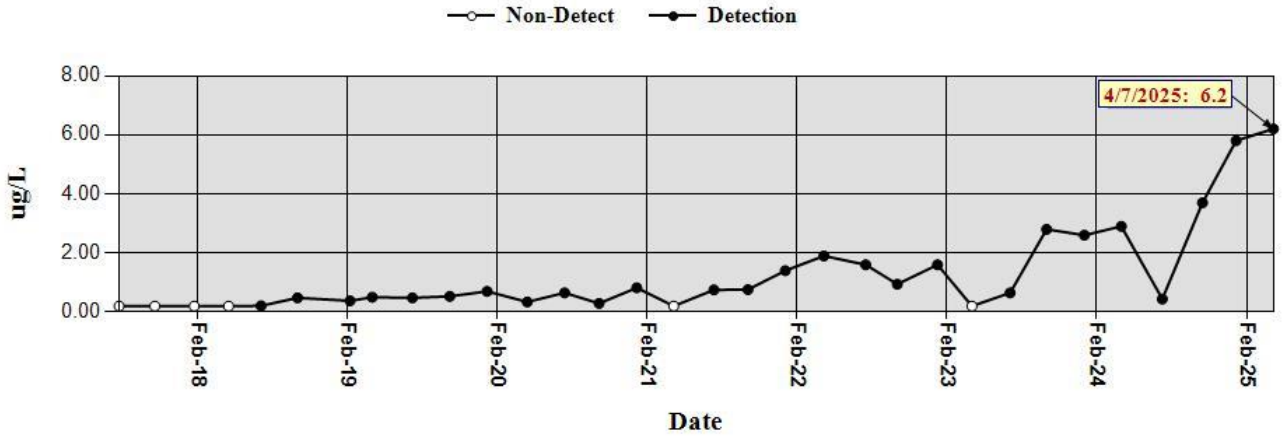
Analysis: 8260



Well ID: ST-7-544
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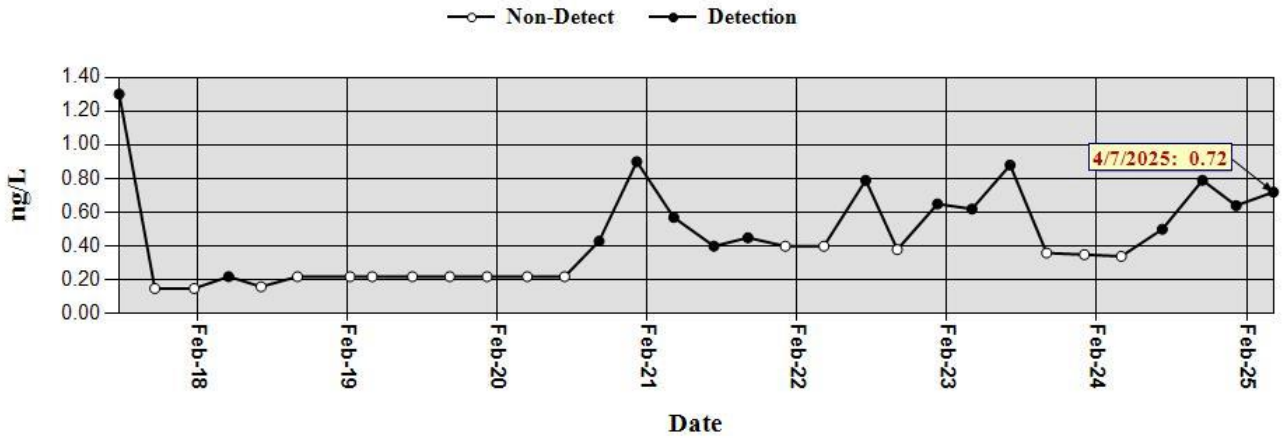
Analysis: NDMA_LL



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

During the third quarter of 2024, NASA identified significant budget constraints that resulted in the suspension of many scheduled monitoring well and corrective action projects. During the fourth quarter of 2024, NASA evaluated the available budget, prioritized ongoing and upcoming environmental projects, and prepared and submitted the *NASA White Sands Test Facility (WSTF) Corrective Action Projects; Proposal to Restructure Priorities and Schedule* on December 13, 2024 (NASA, 2024hh). NMED responded to NASA's proposal on February 3, 2025 with direction on how to address specific projects (NMED, 2025) in the second quarter of 2025. Specific sections of the initial submittal are referenced throughout this appendix as individual projects are discussed, along with NMED direction, as applicable.

1.1 Well Abandonment and Replacement

There was no fieldwork related to well abandonment or replacement projects in the second 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 review of that report is pending.

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, 2025o).

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, 2023r), 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, 2025). NASA submitted the *Request to Indefinitely Defer Submittal of the Completion Report for Monitoring Well 600C-001-GW* on April 29, 2025 (NASA, 2025n).

1.3.2 New Wells 600A-003-GW and 600A-004-GW

As part of the ongoing investigation at the WSTF wastewater lagoons (NMED, 2022i), NASA installed two additional perched groundwater monitoring wells in the 600 Area. Wells 600A-003-GW and 600A-004-GW were installed during the first quarter of 2023. Because of elevated turbidity and limited available groundwater within these monitoring wells, well development was very slow. During the fourth quarter of 2024, NASA completed additional development of well 600A-004-GW with site-specific equipment. NASA completed development of well 600A-003-GW in the first quarter of 2025 and sampled the well for initial sampling in accordance with the GMP. NASA will continue management of these wells in accordance with the GMP and remove further discussion from this appendix effective in the third quarter of 2025.

1.3.3 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, 2023y). 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, 2023y) 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, 2025). 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, 2025k; 2025l).

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,

2025). NASA submitted the *Request to Indefinitely Defer Submittal of the Completion Report for Monitoring Well 600B-001-GW* on April 29, 2025 (NASA, 2025m).

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, 2023q), 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, 2025). 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, 2025g).

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 second 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 second 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 second 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, 2023u).

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).

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 second 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 second 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 second 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, 2025p).

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 secind quarter of 2025, NASA extracted 485 gallons of contaminated groundwater from well 600-G-138, bringing the total to 23,621 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. During the second quarter of 2025, NASA completed the *600 Area Perched Groundwater Extraction Pilot Test Interim Status Report – Project Year 12*, which was provided for NMED review on April 28, 2025 (NASA, 2025f).

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, 2020m). 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, 2023n). 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, 2025). NASA submitted the *Request for Extension of Time for Submittal of 600 Area Perched Groundwater Phase II Investigation Report* on April 29, 2025 (NASA, 2025i).

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, 2025q).

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, 2023m). 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, 2023v), 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 second 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, 2023p), 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 second 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, 2023o), 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, 2023s). 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 second 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, 2023p), 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, 2023w). 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 second 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 second 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 second 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, 2025). 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, 2025h).

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, 2023t), 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, 2025). 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, 2025j).

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, 2023x). NMED directed NASA to address five comments and submit a revised work plan no later than December 29, 2023 (NMED, 2023x). 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, 2023ii). 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 report during the second quarter of 2025.

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NMED Hazardous Waste Bureau. (2021m, November 15). *Approval with Modifications White Sands Test Facility Groundwater Monitoring Plan*. Santa Fe, NM.

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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.

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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.

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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.

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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.

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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.

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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.

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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.

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NMED Hazardous Waste Bureau. (2023o, 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.

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NMED Hazardous Waste Bureau. (2023s, 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. (2023t, 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. (2023u, November 1). *Approval of the Expanded Scope Proposed for the 300 Area Supplemental ADWP*. Santa Fe, NM.

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NMED Hazardous Waste Bureau. (2023y, 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.

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NMED Hazardous Waste Bureau. (2024d, February 6). *Approval of the Abandonment Report for Well BLM-28.* Santa Fe, NM.

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NMED Hazardous Waste Bureau. (2024g, April 18). *Approval with Modifications 200 and 600 Area Vapor Intrusion Assessment Report.* Santa Fe, NM.

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