National Aeronautics and
Space Administration

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August 12, 2026

Reply to Attn of: RE-26-092

Mr. JohnDavid Nance, Bureau Chief
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

Subject: Well Completion Report for Monitoring Well 600C-003-GW and Well Abandonment Report for Monitoring Well BLM-1-435

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. On November 27, 2023, NMED approved the drilling work plan for well 600C-003-GW, which included the plugging and abandonment of well BLM-1-435. NASA submitted a *Request for Extension of Time for Submittal of Well Completion Report for Monitoring Well 600C-003-GW* on April 30, 2025 that was subsequently approved by the NMED on July 2, 2025. In the extension request approval, NMED directed NASA to provide a well completion report for replacement well 600C-003-GW no later than December 1, 2027.

Enclosure 1 provides a bound paper copy of the report (up to Appendix D) that includes well completion details for replacement well 600C-003-GW and plugging and abandonment information for former well BLM-1-435. Enclosure 2 provides a PDF version of the report on CD-ROM.

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.

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

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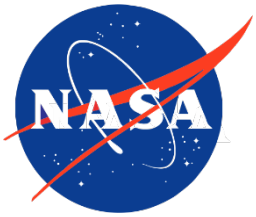

NASA Johnson Space Center White Sands Test Facility

600C-003-GW Well Completion and BLM-1-435 Well Abandonment Report

August 2026

NASA Johnson Space Center White Sands Test Facility

600C-003-GW Well Completion and BLM-1-435 Well Abandonment Report

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List of Acronyms and Abbreviations

ARCA	Air Rotary Casing Advance
bgs	Below Ground Surface
btoc	Below Top of Casing
EPA	Environmental Protection Agency
GMP	Groundwater Monitoring Plan
IBC	Intermediate Bulk Container
IDW	Investigation-derived Waste
NASA	National Aeronautics and Space Administration
NDMA	N-nitrosodimethylamine
NMED	New Mexico Environment Department
NMOSE	New Mexico Office of the State Engineer
NTU	Nephelometric Turbidity Units
PVC	Polyvinyl Chloride
RCRA	Resource Conservation and Recovery Act
SVOC	Semi-volatile Organic Compounds
TCE	Trichloroethene
VOC	Volatile Organic Compounds
WSTF	White Sands Test Facility

1.0 Introduction and Purpose

The National Aeronautics and Space Administration (NASA) Johnson Space Center White Sands Test Facility (WSTF) has conducted testing of space flight hardware and rocket propulsion systems since the 1960s. Historical testing activities resulted in the release of trichloroethene (TCE), N-nitrosodimethylamine (NDMA), and other constituents of concern to groundwater beneath portions of the Facility. As a result, NASA maintains an extensive groundwater monitoring network to characterize subsurface conditions, monitor contaminant distribution and trends, and support long-term corrective action decision-making in accordance with the WSTF Groundwater Monitoring Plan (GMP; NASA, 2025) and applicable New Mexico Environment Department (NMED) requirements.

This report is a well completion and well abandonment report documenting both the installation of monitoring well 600C-003-GW and the abandonment of legacy monitoring well BLM-1-435. These activities were planned and implemented together as part of a single corrective action effort described in the *Work Plan for Abandonment of NASA WSTF Well BLM-1-435 and Replacement With Monitoring Well 600C-003-GW* (NASA, 2023a; herein referred to as the Work Plan), which was developed to address slow recovery in the well affecting sample quality and the need to replace BLM-1-435 with a new monitoring well capable of meeting current monitoring objectives.

Monitoring well BLM-1-435, located within the WSTF contaminant plume, was installed in 1987 to support groundwater characterization and has been routinely sampled as part of the WSTF groundwater monitoring program. As early as April 1998, camera logging identified a potential crack in the stainless-steel casing at approximately 421 feet below ground surface (bgs), above the screened interval at 435 to 445 feet bgs. An inflatable packer was installed approximately 2 feet above the screen to isolate the sampling interval. On March 6, 2006, the well exhibited extremely slow recovery within the screened interval. By April 23, 2020, the well no longer produced sufficient water to purge stagnant water from the dedicated bladder pump and tubing, which prevented stabilization of field parameters prior to sampling. In July 2020, NASA determined that sampling from the existing screen was not feasible. The well was recommended for abandonment and replacement to obtain representative groundwater samples at or near the BLM-1-435 location because there were no viable reconfiguration options.

Monitoring well 600C-003-GW was designed to serve as a replacement well for BLM-1-435 to monitor a similar screened interval capable of yielding representative groundwater samples. Well 600C-003-GW will be incorporated into routine WSTF groundwater monitoring activities and used to support groundwater plume characterization, trend analyses, and regulatory reporting. Abandonment of BLM-1-435 was conducted concurrently to permanently remove the legacy well from service and eliminate the potential for vertical migration of contaminants in groundwater.

This report summarizes field activities associated with the drilling, installation, completion, and development of monitoring well 600C-003-GW, and the plugging and abandonment of monitoring well BLM-1-435. All activities were conducted in general accordance with the Work Plan.

2.0 Location and Description

WSTF is located in Doña Ana County, New Mexico, approximately 18 miles northeast of Las Cruces, New Mexico within the boundaries of White Sands Missile Range. The Facility occupies land administered by the U.S. Department of the Army and is accessed via U.S. Highway 70 and internal paved access roads. WSTF serves as a primary NASA installation for testing, qualification, and failure analysis of propulsion systems, pressure vessels, and other spaceflight hardware under a wide range of controlled conditions. Environmental monitoring and compliance activities, including groundwater monitoring, are conducted at WSTF to support safe operations, protect human health and the

environment, and ensure compliance with applicable federal and state regulatory requirements. The location of WSTF is depicted on Figure 2.1.

Monitoring well BLM-1-435 is located within the WSTF 600 Area in Section 33, Township 20 South, Range 3 East. The well is located within the WSTF plume boundary. Replacement well 600C-003-GW was proposed to be located approximately 30 feet south of BLM-1-435. However, due to drill rig access constraints, 600C-003-GW was moved to approximately 70 feet southwest of BLM-1-435. Final horizontal coordinates and vertical elevations were obtained by a New Mexico-licensed Professional Land Surveyor and are further discussed in Section 10.0. A map of the 600C-003-GW and BLM-1-435 well locations is included as Figure 2.2.

3.0 Regulatory Timeline

In 2022, NMED expressed concern about declining water levels at several monitoring wells including BLM-1-435. In the NASA WSTF GMP Update for 2022, submitted on April 29, 2022, NASA indicated that BLM-1-435 would be plugged due to an observed decline in the groundwater level and inability to sufficiently sample the well (NASA, 2022). On October 31, 2022, NMED approved the GMP. In the approval letter, NMED stated that well BLM-1-435 must be replaced and directed NASA to submit a work plan for plugging BLM-1-435 and for subsequently drilling its replacement well (NMED, 2022). The *Work Plan for Abandonment of NASA WSTF Well BLM-1-435 and Replacement With Monitoring Well 600C-003-GW* (Work Plan) was developed in accordance with the WSTF Resource Conservation and Recovery Act (RCRA) Permit (NMED, 2023a), Section 6.2, and incorporates requirements specified in Section 5.3 of the Permit. The work plan was approved by NMED on November 27, 2023 (NMED, 2023b).

4.0 Drilling

This section details the drilling methodology and activities conducted for installation of monitoring well 600C-003-GW.

Drilling activities for monitoring well 600C-003-GW commenced on December 20, 2025, paused during a holiday break, then resumed from January 6, 2026 to January 8, 2026. In preparation for drilling activities, a drilling permit application was submitted to the New Mexico Office of the State Engineer (NMOSE) on October 31, 2025, by NASA's New Mexico-licensed subcontracted drilling company, Cascade Environmental. The drilling permit was approved by NMOSE on November 20, 2025 (provided in Appendix A). Site preparation was performed in accordance with NASA's approved dig permit prior to the start of intrusive work.

4.1 Drilling Method

Drilling was conducted using air rotary casing advance (ARCA) drilling method with a GEFCO Speedstar 50K air and mud rotary combination rig equipped with a Weldco Beales Model 1321 casing driver. This method involved advancing a steel drive casing concurrently with drilling to maintain borehole stability through unconsolidated alluvial deposits. Compressed air acts as the primary circulating medium to remove drill cuttings from the borehole and water is added as needed to cool and stabilize the borehole. The drill rig was equipped with a dual air compressor system that included an Ingersoll-Rand®[1] auxiliary air compressor and a Sullair®[2] in-line air compressor, each with a particulate filter and oil separator filter, to prevent particulates or oil from entering the borehole. The air compressors each had a

[1] Ingersoll Rand is a registered trademark of Ingersoll-Rand Industrial U.S., Inc.
[2] Sullair is a registered trademark of Sullair, LLC.

flow rate of 1,170 cubic feet per minute and 350 pounds per square inch of pressure. National Sanitation Foundation and American National Standards Institute Standard 60 certified polymeric drilling foam was used intermittently to aid in advancing the drill bit between approximately 220 and 360 feet bgs. Outside of this interval, only water and compressed air were used during drilling. Water used for drilling was only introduced in the unsaturated portion of the borehole above the water table and was sourced from the unfinished (non-chlorinated) WSTF potable supply well. Approximately 1,200 gallons of water were used during drilling.

4.2 Sampling During Drilling

Groundwater and soil screening samples were collected during drilling in accordance with the Work Plan for verification and waste characterization purposes. Soil and groundwater samples were collected from the drilling cyclone (grab samples) at the first occurrence of groundwater and at approximately 100-foot depth intervals thereafter, for a total of two groundwater and two soil samples for laboratory analysis. The first soil and water samples were collected on January 8, 2026 from approximately 415 feet bgs when water was observed exiting the cyclone. The second soil sample was collected on January 8, 2026 from approximately 464 feet bgs, which was the bottom of the borehole. On January 9, 2026 the second groundwater sample was collected from the cyclone once groundwater recharged in the borehole. Samples were shipped and relinquished to Eurofins Laboratory in Lancaster, Pennsylvania and analyzed for volatile organic compounds (VOCs) (Environmental Protection Agency [EPA] Method 8260), semi-volatile organic compounds (SVOCs) (EPA Method 8270 Total Compound List, which includes NDMA), and RCRA metals (EPA Methods 6010/6020). A discussion of analytical results associated with screening and waste characterization is included in Section 12.0.

4.3 Lithology

Lithologic logging was conducted during drilling at approximately 10-foot intervals throughout the borehole. Grab samples for lithologic characterization were obtained from drill cuttings returned to the surface via the cyclone. Lithologic data were used to characterize subsurface conditions and support well construction decisions. The entirety of the 600C-003-GW borehole is within Santa Fe Group alluvium, which consists of unconsolidated to semi-consolidated, poorly to moderately sorted polygenetic clasts of primarily sedimentary and volcanic rocks derived from the San Andres Mountains to the east of WSTF (Richter et. al, 1987). Andesite bedrock was anticipated to be encountered at approximately 457 feet bgs based on historical lithology for BLM-1-453 and other wells in the area; however, bedrock was not observed in the borehole for 600C-003-GW. Grain sizes ranged from clays and silts to coarse subangular gravels. The decision to place the well screen from 440 to 450 feet bgs was partly based on cutting samples recovered between 440 to 450 feet bgs, which consisted of porous, saturated, fine to coarse grained gravels with little silt, and to target the depth directly above the anticipated depth to bedrock at 457 feet bgs. The lithologic log is provided in Appendix B. A photographic log depicting the chip samples collected during drilling and other field activities is included in Appendix C.

5.0 Well Construction

This section details the well construction design, installation, and final completion of 600C-003-GW.

5.1 Proposed Well Design

Monitoring well 600C-003-GW was designed as a conventional, single zone monitoring well targeting groundwater conditions within the depth interval identified in the Work Plan above the andesitic bedrock formation at approximately 457 feet bgs. The well depth and screened interval were selected to continue providing analytical data to monitor the contaminant plume, and to ensure a well life (where the screen

interval will remain saturated to be able to collect groundwater samples) of at least 10 years. The proposed well design was included in the Work Plan and is included as Figure 5.1 in this report for reference.

5.2 Screen Placement Justification

The screened interval for monitoring well 600C-003-GW was selected based on lithologic conditions observed during drilling, static water level measurements, and expected long term groundwater level trends in the WSTF 600 Area. In 1987, the depth to water was 398.5 feet bgs when BLM-1-435 was installed, which provided a 37-foot water column above the top of the well screen (435 to 445 feet bgs) (NASA, 2023). Recent groundwater level gauging data collected on February 10, 2026 showed a static water level of approximately 421.93 feet bgs, which indicates that the water level declined approximately 23.43 feet since 1987.

The 600C-003-GW borehole was advanced to a total depth of 464 feet bgs to characterize the lithology and inform the screen placement. After review of lithologic samples collected during drilling and static water level measurements in nearby well BLM-1-435, a determination was made to backfill the borehole from 464 to 455 feet bgs using bentonite chips hydrated with unfinished (non-chlorinated) WSTF potable groundwater, install a 5-foot sump below the screen from 455 to 450 feet bgs, and place the screen from 450 to 440 feet bgs. This screen interval provides an 18.07-foot water column above the screen to ensure the well will remain saturated under current and anticipated groundwater conditions for at least 10 years, thereby maintaining data continuity and supporting ongoing groundwater monitoring objectives.

5.3 Well Completion Casing

On January 9, 2026, monitoring well 600C-003-GW was completed with nominal 5-inch Schedule 80 polyvinyl chloride (PVC) flush joint casing and a 10-foot length 0.020-inch slotted Schedule 80 PVC well screen. The PVC riser casing (“stick-up”) was cut off at 2.42 feet above ground surface. Stainless steel centralizers were installed immediately above and below the well screen at 450 and 440 feet bgs, and every 100 feet to the surface (400, 300, 200, and 100 feet bgs) to provide support for long-term integrity of the well. The screened interval was installed from 450 to 440 feet bgs (452.42 to 442.42 feet below top of casing [btoc]). The screen midpoint is located at 445 feet bgs (447.42 feet btoc). A 5-foot sump was installed below the screen from 455 to 450 feet bgs. The total length of PVC casing, including the sump and 2.42-foot casing stickup, is 457.42 feet. A well construction diagram depicting the final configuration of the well is included on Figure 5.2.

5.4 Annular Material Installation

Annular completion materials were installed from January 10, 2026 to January 12, 2026. A filter pack consisting of 10/20 washed silica sand was emplaced from 452 to 438 feet bgs to encompass the screen interval (450 to 440 feet bgs) and extend two feet below and above the screen. A transition layer of 12/20 washed silica sand was emplaced 3 feet below and above the filter pack from 455 to 452 feet bgs and 435 to 438 feet bgs as a fine sand seal to prevent migration of bentonite into the screen. A 15-foot bentonite seal was installed above the fine sand seal using 3/8-inch bentonite chips hydrated with unfinished (non-chlorinated) WSTF potable groundwater from 438 to 423 feet bgs. The annulus was sealed above the bentonite seal with bentonite grout hydrated with unfinished (non-chlorinated) WSTF potable groundwater from 423 to 10 feet bgs, followed by a Type 1 Portland cement surface seal from 10 feet bgs to ground surface. Annular materials were emplaced using a tremie pipe. The annular materials are depicted on the well construction diagram (Figure 5.2). A 4-foot by 4-foot concrete well pad (4-inches thick) was installed at the surface around the well. Four bollards and a locking steel protective casing were completed on January 13, 2026 to protect the PVC well stickup.

6.0 Hydraulic Conditions

The 600C-003-GW borehole was drilled using an ARCA drill rig, which precluded the use of a water level meter during drilling due to spacing constraints inside the borehole. This drilling method also introduces air into the borehole as part of the drilling process, which can temporarily displace groundwater from its original depth. Given these conditions, drawdown in the borehole could not be measured using a water level meter during drilling. The first occurrence of groundwater was observed exiting the cyclone on January 10, 2026, and measured at 418.3 feet bgs. However, very slow recharge was observed in well 600C-003-GW after the well was constructed during initial surging and bailing. On January 15, 2026, the water level was measured to be 456.45 feet btoc after 45 gallons were removed from the hole during initial bailing. The water level was measured at 450.04 feet btoc the following morning after allowing the water level to recharge overnight, indicating slow recharge. After well completion, the static groundwater level was measured at 468.90 feet btoc (equivalent to 466.52 feet bgs). This water level and slow recharge rate is consistent with groundwater elevations observed in nearby monitoring wells completed within the same hydrostratigraphic unit and the hydraulic conditions observed in legacy well BLM-1-435 prior to abandonment.

7.0 Well Development

Development of 600C-003-GW was conducted on January 17 and 18, 2026 (5 days after installation of annular materials) to remove residual fines and ensure good hydraulic communication between the formation and the well screen. On January 15, 2026, 45 gallons of water were removed from 600C-003-GW prior to initiating well development to determine the rate of recharge. On January 16, 2026, the initial static water level in 600C-003-GW was measured at 450.04 feet btoc (447.62 feet bgs) after allowing the well to recharge overnight from the initial bailing event on January 15, 2026. It was determined that using a pump to develop 600C-003-GW was not feasible because the water level had not risen past the upper elevation of the screen (440 feet bgs) due to the slow recharge rate. A decision was made to add clean, non-chlorinated groundwater from the WSTF potable supply well to 600C-003-GW to bring the water level to the approximate original water level (418.3 feet bgs), followed by surging and bailing the well. Well development was conducted using surging and bailing techniques. Approximately 336 gallons of water were added and subsequently removed from 600C-003-GW to aid in surging and bailing. Field parameters (including pH, specific conductance, temperature, and dissolved oxygen) were recorded during bailing until readings stabilized within +/- 10% and turbidity stabilized. The final turbidity reading at 600C-003-GW was 22.5 nephelometric turbidity units (NTU). The total volume of water bailed during well development and the initial bailing event on January 15, 2026, was approximately 381 gallons, equivalent to approximately 90% of one well volume (425 gallons). The final water level reading recorded after completion of 600C-003-GW development was 457.0 feet btoc (454.58 feet bgs). Development details are documented on the well development log provided in Appendix D.

8.0 Groundwater Sampling

On February 12, 2026, a permanent low-flow groundwater sampling system (QED Well Wizard®[3] dedicated bladder pump [Model P1101H(M)Z]) was installed in the 5-inch PVC well casing of 600C-003-GW. The pump intake was positioned at the mid-point of the 10-foot well screen at 445 feet bgs (447.42 feet btoc). An attempt was made to sample the well using the newly installed sampling system; however, the dedicated bladder pump was determined to be defective, and a sample was unable to be collected. A replacement bladder was ordered on February 12, 2026.

[3] Well Wizard is a registered trademark of Q.E.D. Environmental Systems, Inc.

On February 16, 2026, the replacement bladder was installed and 600C-003-GW was sampled using low flow sampling techniques once stabilization criteria specified in the 2025 WSTF GMP Update were met (NASA, 2025). Quality control samples, including equipment blank, field blank, and field duplicate were also collected, and a trip blank was provided by the laboratory. Groundwater samples were analyzed for VOCs, SVOCs (including NDMA), and RCRA Metals. The sample results indicated low-level detections of one VOC analyte (TCE) and several metals (barium, lead, and selenium), but at concentrations less than WSTF cleanup levels. Concentrations in the field duplicate sample were comparable to the parent sample. The field blank and equipment blank had no detections. The validated results will be further evaluated and incorporated into a future periodic monitoring report. A summary of the detections and the full laboratory report are included in Appendix E.

9.0 Well Abandonment BLM-1-435

This section documents abandonment activities associated with legacy monitoring well, BLM-1-435, which has been replaced by newly installed monitoring well, 600C-003-GW. BLM-1-435 was originally installed in 1987 to characterize the WSTF groundwater contaminant plume and provide long-term performance monitoring. Poor recharge was observed dating back to 1998, and by 2020, there was no longer sufficient recharge to sample the well. Abandonment activities were conducted to permanently remove this legacy well from service. All abandonment activities were performed in general accordance with the NMED-approved Work Plan (NASA, 2023) and NMED Permit (NMED, 2023a).

9.1 Pre-Plugging Activities

Pre-plugging activities were conducted on January 13, 2026 to prepare BLM-1-435 for abandonment and to verify existing well construction and downhole conditions prior to placement of plugging materials. Cascade Drilling submitted a well plugging plan to NMOSE prior to arriving on site, which was approved on November 21, 2025 (Appendix A). The total depth of BLM-1-435 prior to plugging was measured at 453.75 feet btoc. Depth to groundwater was measured at 409.80 feet btoc. No dedicated sampling system components or other downhole equipment or debris were observed in BLM-1-435. Four protective bollards and the concrete well pad were removed from BLM-1-435 and the area surrounding the steel surface casing was excavated to approximately 1-foot bgs. A tremie pipe was installed to the bottom of the well casing in preparation for plugging. For reference, the well construction diagram for BLM-1-435 is provided as Figure 9.1.

9.2 Plugging and Abandonment

Plugging and abandonment activities were conducted on January 16, 2026 to permanently seal legacy monitoring well BLM-1-435. Portland cement grout was emplaced in the well casing using a tremie pipe, placed upward from the bottom of the well to ground surface. The cement grout was mixed to a consistency of approximately 30 percent using unfinished (non-chlorinated) water obtained from the WSTF potable supply well. A total of 301 gallons of cement grout were placed in BLM-1-435. The steel surface casing was cut off at 6 inches bgs and removed. A concrete cap was emplaced over the plugged borehole following placement and curing of the grout on January 18, 2026, and a brass cap was embedded in the surface completion with pertinent well information stamped on the brass cap. The Well Plugging Record documenting abandonment of BLM-1-435 is included in Appendix A. Photos of abandonment activities are included in Appendix C.

10.0 Well Survey

For new monitoring well 600C-003-GW, the well casing stick-up, brass cap installed in the concrete well pad, and adjacent natural ground were surveyed for coordinates and elevation by Construction Survey

Services, a New Mexico-licensed Professional Land Surveyor, on January 14, 2026. The survey employed a combination of static global navigation satellite system observations for control establishment and real-time kinematic global positioning system measurements for point-specific data collection. Survey equipment consisted of a Stonex®[4] S10A (Base Station) and Stonex S800 (Rover). Horizontal datum is presented in New Mexico State Plane Central Zone, North American Datum 1983, in meters. Vertical datum is presented in North American Vertical Datum of 1988 in feet. The 600C-003-GW surveyed coordinates are:

- Well casing: Northing 168838.2 meters / Easting 462754.31 meters
- Well casing elevation (north side top of PVC): 4555.39 feet
- Brass cap elevation: 4553.24 feet
- Adjacent ground surface (north side of well pad): 4552.91 feet

The full survey report is provided in Appendix F.

11.0 Work Plan Deviations

There were no major deviations from the NMED-approved Work Plan. The proposed well location was adjusted slightly from the originally proposed location due to drill rig access constraints. Monitoring well 600C-003-GW was proposed to be placed approximately 30 feet south of monitoring well BLM-1-435. However, based on site conditions, the well was installed approximately 70 feet southwest of BLM-1-435 to accommodate the drill rig and support equipment. This minor adjustment did not affect the well's intended function consistent with the objectives of the Work Plan.

12.0 Waste Management

Investigation-derived waste (IDW) generated during drilling and well installation was managed in accordance with the Work Plan and applicable federal and state regulations.

Drill cuttings generated from above the water table were managed as non-hazardous waste and placed in a lined earthen pit at the drilling site. The earthen pit was constructed using an excavator and lined with 10-millimeter plastic sheeting prior to the start of drilling activities. The excavated material was used as a berm around the pit. The pit measured approximately 20 feet by 20 feet by 2 feet to accommodate approximately 30 cubic yards of drill cuttings generated from above the water table. The lined pit was excavated by NASA subcontractor personnel, and temporary barbed wire fencing was installed around the pit to prevent wildlife from entering the excavated area. Upon completion of the project, the pit will be covered by NASA subcontractor personnel using the berm material. Any exposed plastic sheeting will be cut below grade, the area will be re-graded, and the temporary fencing will be removed.

Because 600C-003-GW and BLM-1-435 are located within the mapped WSTF plume boundary, drill cuttings and groundwater generated from below the water table were containerized in Department of Transportation approved containers. The drill cuttings and groundwater generated from below the water table were managed as potentially hazardous waste until characterization screening samples could be analyzed and a waste determination could be performed. The soil drill cuttings were placed in a 25-cubic yard lined roll-off bin. Water removed from the borehole during drilling was segregated from the soil and placed in 330-gallon intermediate bulk container (IBC) totes placed on spill pallets. Water generated during well development and equipment decontamination was also placed in the IBC totes.

[4] Stonex is a registered trademark of Stonex S.R.L.

Screening samples collected during drilling, as described in Section 4.2, were used for waste characterization purposes to support management of IDW. The screening samples had detections of several VOCs, SVOCs, and metals. A representative water and soil IDW sample were analyzed using the Toxicity Characteristic Leaching Procedure to determine if the waste exhibited the characteristic of toxicity. Based on the analytical results, the soil and groundwater wastes were determined to be non-hazardous. The water in the IBC totes was transferred to the WSTF Mid Plume Interception and Treatment System (approximately 400 gallons) per the Work Plan. The soil drill cuttings in the roll-off bin and the used empty IBC totes were disposed of as solid waste at the Charter Waste Landfill in Odessa, Texas. Contact waste generated during drilling and sampling activities, including personal protective equipment, downhole polyethylene tubing, and contact materials such as plastic liners used to capture water during equipment decontamination, were managed as non-hazardous solid waste and disposed of as general refuse. Laboratory reports for the IDW samples and signed waste manifests are included in Appendix G.

13.0 References

NASA Johnson Space Center White Sands Test Facility. (2022, April 29). *WSTF Groundwater Monitoring Plan (GMP; update for 2022).* Las Cruces, NM.

NASA Johnson Space Center White Sands Test Facility (2023, April 27). *Work Plan for Abandonment of NASA WSTF Well BLM-1-435 and Replacement with Monitoring Well 600C-003-GW*. Santa Fe, NM.

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NMED Hazardous Waste Bureau. (2023a, April 27). *RCRA Permit EPA ID # NM8800019434 (modified July 1, 2026)*. Santa Fe, NM.

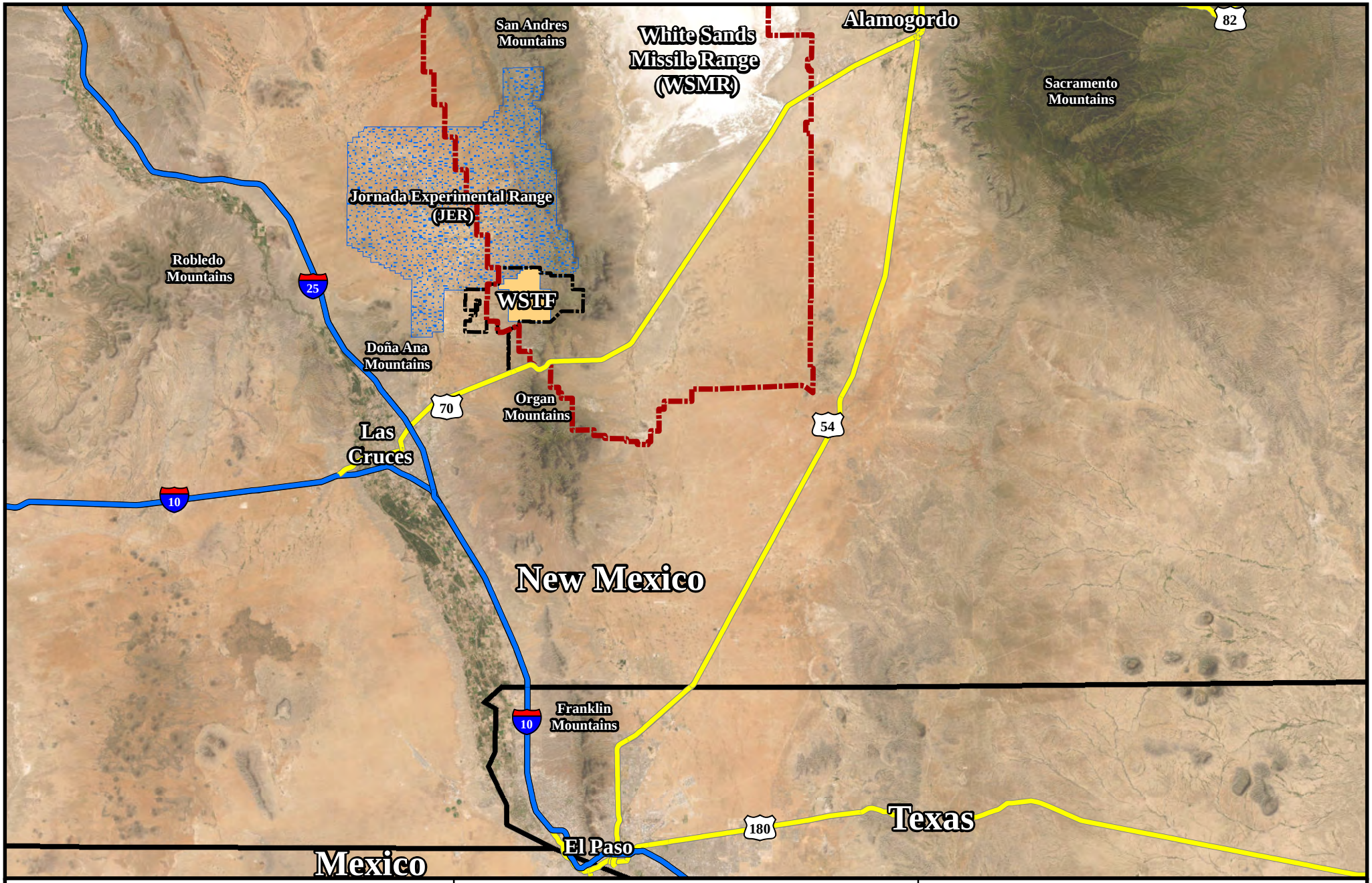
NMED Hazardous Waste Bureau. (2023b, November 27). *Approval With Modifications Work Plan for Abandonment of NASA WSTF Well BLM-1-435 and Replacement with Monitoring Well 600C-003-GW.* Santa Fe, NM.

Richter, D.H., Saltus, R.W., and Ryan, G.S. (1987). *Mineral Resources of the Jornada del Muerto Wilderness Study Area, Socorro and Sierra Counties, New Mexico. U.S. Geological Survey Bulletin 1724.*

Figures

Figure 2.1 **WSTF Location Map**

(SEE NEXT PAGE)



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

G:\Projects\environmental\PMR\2023\1stQuarter

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

1 in = 12 miles

Miles
0 6 12 24

N
W E
S

August 2026

Figure 2.2 **Well 600C-003-GW Location**

(SEE NEXT PAGE)

WELL 600C-003-GW LOCATION

NASA JOHNSON SPACE CENTER WHITE SANDS TEST FACILITY, LAS CRUCES, NEW MEXICO

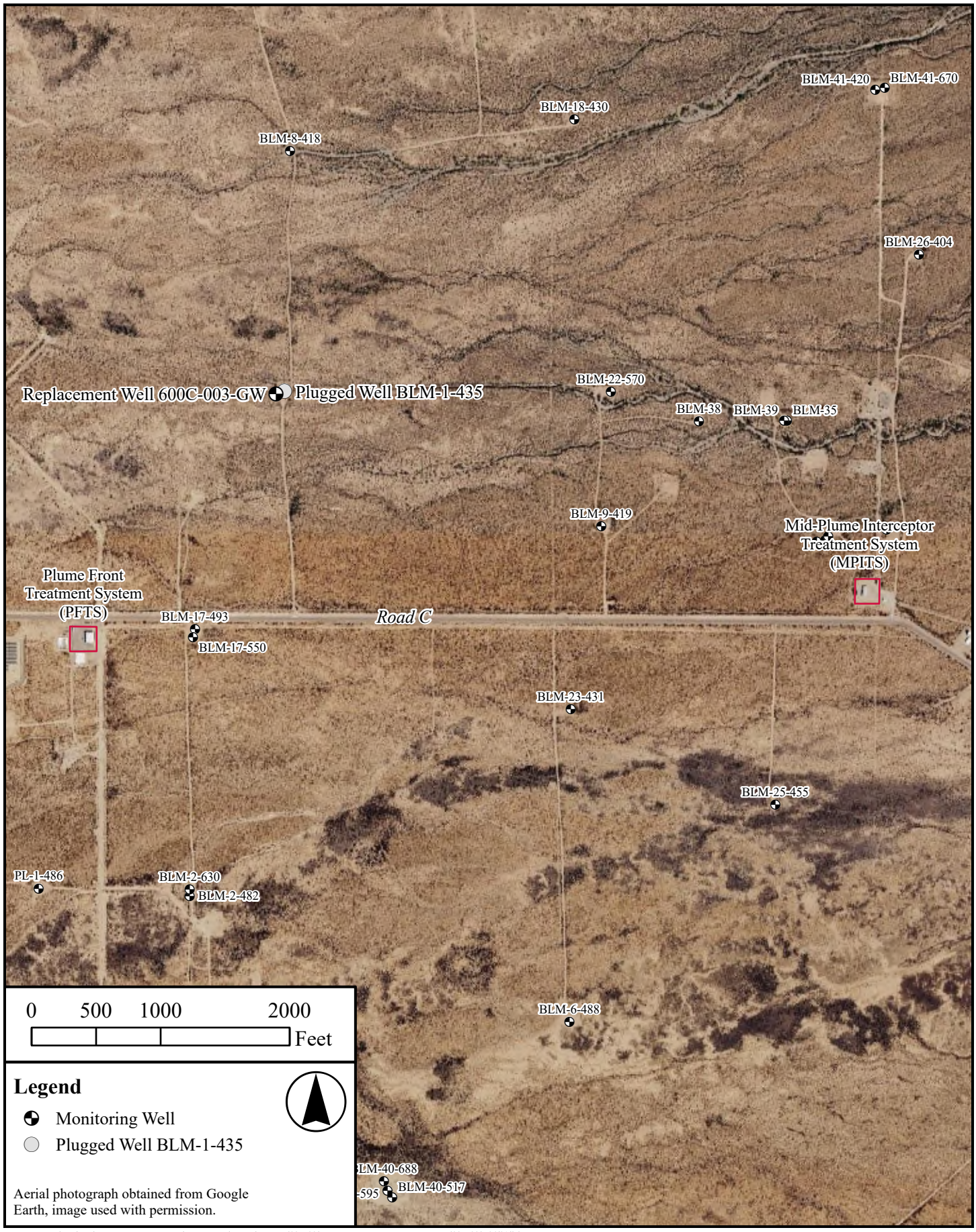
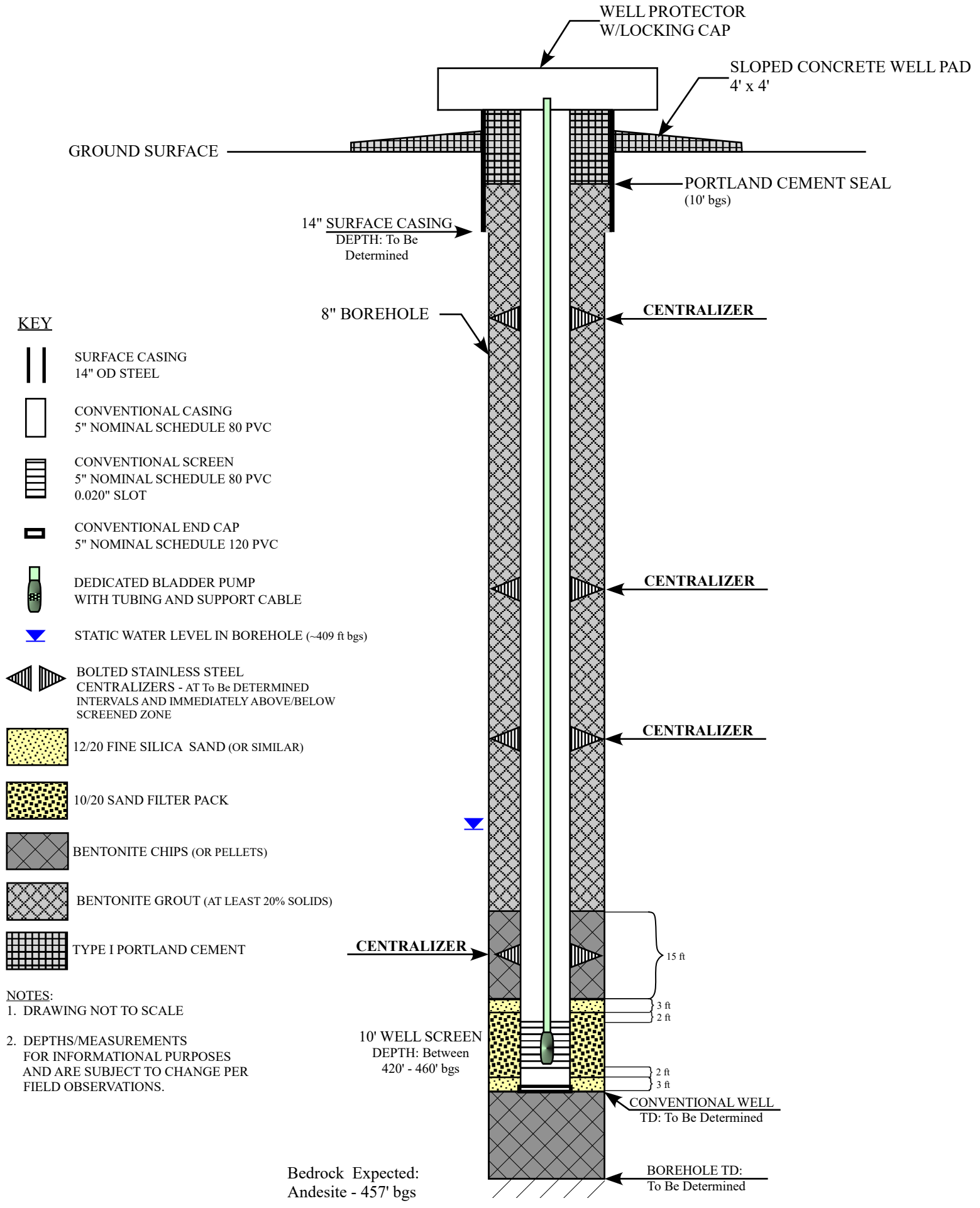


Figure 5.1 Proposed Well Design for Monitoring Well 600C-003-GW

(SEE NEXT PAGE)



600C-003-GW WELL DESIGN: CONVENTIONAL

Figure 5.2 Well Construction Diagram for Monitoring Well 600C-003-GW

(SEE NEXT PAGE)

600C-003-GW
WELL CONSTRUCTION DIAGRAM

DRILLING INFORMATION

DRILLING BEGAN:
DATE 12/20/2026 TIME 10:55
WELL INSTALLATION BEGAN:
DATE 01/09/2026 TIME 14:15
WELL COMPLETION FINISHED:
DATE 01/13/2026 TIME 10:45
DRILLING CO. Cascade Environmental
DRILLER Gerry Woods
LICENSE WD-1664
DRILL RIG 23-62847
DRILLING METHOD:
☐ HOLLOW STEM AUGER
☒ AIR ROTARY
☐ Rotary Sonic
DIAMETER OF AUGERS:
INNER DIAMETER: 13.5 inch OUTER DIAMETER: 14 inch

BENTONITE SEAL

AMOUNT USED 750 lbs
☒ CHIPS, SIZE 3/8 in
PRODUCT Holeplug (Sodium Bentonite)
MFG. BY Halliburton

FILTER PACK

AMOUNT USED 1,000 pounds 10/20; 250 pounds 12/20
☒ SAND, SIZE 10/20 and 12/20
PRODUCT Clean sand
MFG. BY P.W. Gillibrand Co., Inc.

SURVEY INFORMATION

TOC ELEVATION 4555.39 ft amsl
GROUND ELEVATION 4553.24 ft amsl
NORTHING COORD. 168866.58 meters
EASTING COORD. 462756.83 meters
DATE SURVEYED 1/14/2026
SURVEY CO. Construction Surveying Services
COORD SYS. NAD83 State Plane New Mexico Central, Meters
VERTICAL COORD SYS. NAVD88, US Feet

CENTRALIZERS USED?

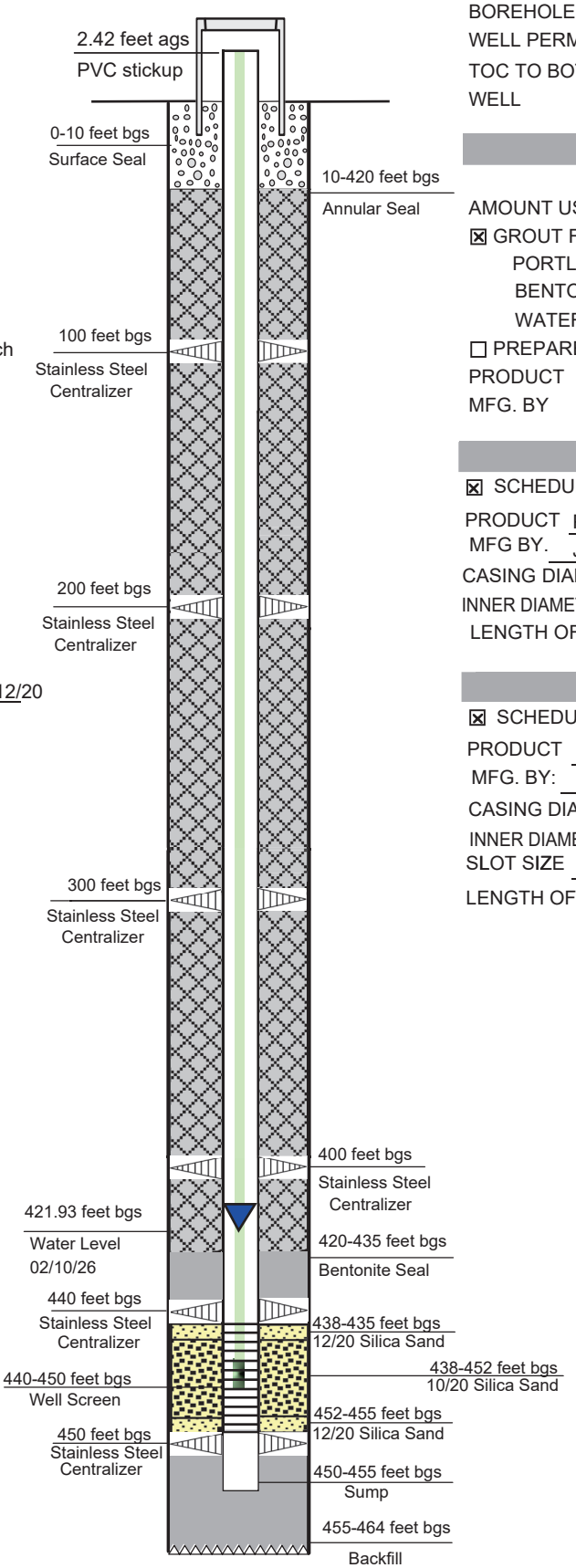
☐ NO ☒ YES
CENTRALIZER DEPTHS: See well diagram

BOREHOLE BACKFILL

AMOUNT CALCULATED
AMOUNT USED 250 pounds
☒ BENTONITE CHIPS, SIZE 3/8 inch
PRODUCT Holeplug (Sodium Bentonite)
MFG. BY Halliburton

SURFACE COMPLETION

☐ FLUSH MOUNT
☒ ABOVE GROUND W/BUMPER POST
☐ CONCRETE ☐ ASPHALT



MONITORING WELL

MONITORING WELL NO. 600C-003-GW
PROJECT NASA WSTF Well Installation
SITE NASA WSTF
BOREHOLE NO. 600C-003-GW
WELL PERMIT NO. LRG-19004-POD2
TOC TO BOTTOM OF WELL 457.42 feet

ANNULAR SEAL

AMOUNT USED 4,950 pounds
☒ GROUT FORMULA
PORTLAND CEMENT N/A
BENTONITE 100%
WATER 2,000 gallons
☐ PREPARED MIX
PRODUCT Quik-Grout (Polymer-Free, 20% Solids)
MFG. BY Halliburton

CASING

☒ SCHEDULE 80 PVC
PRODUCT PVC casing, flush joint
MFG BY. Johnson Screens
CASING DIAMETER (in):
INNER DIAMETER: 4.77 OUTER DIAMETER: 5.56
LENGTH OF CASING 456.42 feet

WELL SCREEN

☒ SCHEDULE 80 PVC
PRODUCT PVC screen
MFG. BY: Johnson Screens
CASING DIAMETER:
INNER DIAMETER: 4.77 OUTER DIAMETER: 5.56
SLOT SIZE 0.020 inch
LENGTH OF SCREEN: 10 feet (440-450 feet below ground surface)

Key

- Steel Surface Casing
- Schedule 80 PVC Well Casing
- Schedule 80 PVC 0.020 Inch Slotted Screen
- QED Well Wizard P1101H(M)Z with inlet depth screen midpoint 445 feet bgs
- Static Water Level
- Stainless Steel Centralizer
- 12/20 Silica Sand
- 10/20 Silica Sand
- Bentonite Chips
- Bentonite Grout
- Type I Portland Cement

Notes:
1. Drawing is not to scale

ags - above ground surface
amsl - above mean sea level
bgs - below ground surface

Figure 9.1 Well Construction Diagram for BLM-1-435

(SEE NEXT PAGE)

WELL COMPLETION DIAGRAM
MONITORING WELL

Location ID: **BLM-1-435**

Site ID: **NASA-WSTF, Doña Ana County, NM**

Township and Range: **SW 1/4 NW 1/4 SW 1/4 Sec.33, T20S, R3E**
NM State Plane Coordinates (NAD 83): **168873.19N 462776.98E**
Elevation (Brass Cap): **1387.95 m AMSL**
Elevation (Top of Casing): **1388.40 m AMSL**
Drilling Contractor: **Larjon Drilling Company**
Driller: **J. Gower**
Total Depth of Borehole (bgs): **500' (152.4 m)**
Borehole Diameter: **8 3/4" to 35'; ~7 7/8 to 500' (Assumed)**
Depth to Bedrock (bgs): **457' (139.3 m); Rhyolite**
Depth to Groundwater: **398.5' (121.5 m) TOSC (10/6/87)**
Total Depth Surface Casing (bgs): **32' (9.8 m)**
Diameter and Type Surface Casing: **Nominal 8" Steel**

Date(s) Well Installed: **11/11/1987**
Date(s) Well Developed: **11/19/1987 - 3/10/1988**
Field Representative(s):**E. Morse, B. Cooper, J. Kaszuba**
Total Depth Well Casing (bgs): **451' (137.5 m)**
Type of Casing: **Stainless Steel**
Diameter Well Casing: **4"**
Casing Schedule: **SCD 5 & SCD 10**
Screened Zone (bgs): **435.3' - 445.7' (132.7 - 135.8 m)**
Comments: **Original casing was pulled on 11/9/1987 and well reinstalled on 11/11/1987. Diameter not recorded.**
AMSL = Above Mean Sea Level
bgs = below ground surface

Casing Explanation:

- Surface Casing **Nominal 8" Steel**
- Conventional Casing **Nominal 4" SCH 5 Stainless Steel**
- Conventional Casing **Nominal 4" SCH 10 Stainless Steel**
- Conventional Screen **Nominal 4" SCH 10 Stainless Steel**
- Conventional End Cap **Nominal 4" SCH 10 Stainless Steel**
- **Welded Stainless Steel Centralizers**
- Water Table

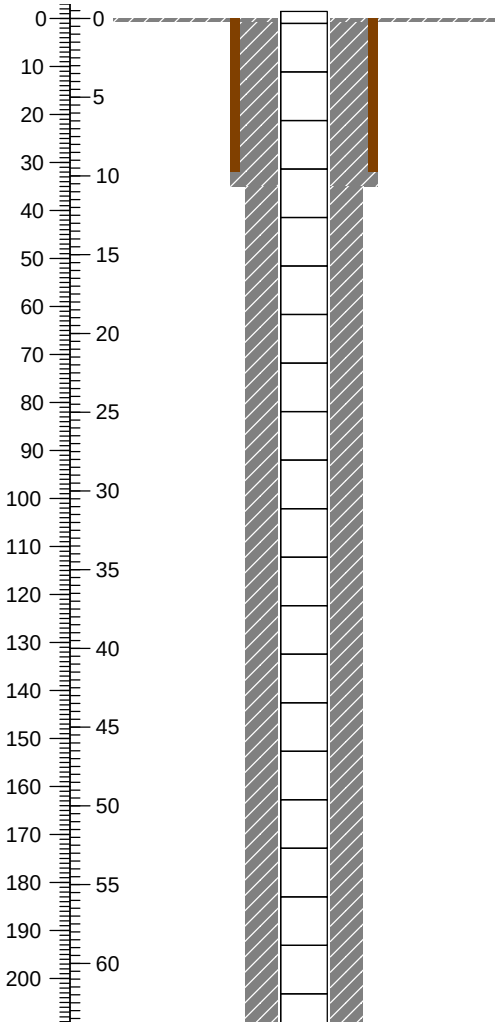
Annular Materials Explanation:

- Cement
- Bentonite (Grout Well DF)
- Bentonite Seal
- Bentonite Mix
- Slough
- 8/14 Sand
- 4/8 Sand
- 6/9 Sand
- 8/12 Sand
- 8/20 Sand
- 10/20 Sand
- 16/40 Sand
- 20/40 Sand
- 30/70 Sand

Feet/Meters

Well Descriptions
All depths listed are bgs (unless noted)

Annular/Borehole Descriptions
All depths listed are bgs



Well completed with a 3' X 3' concrete slab and 4" X 2.0' stainless steel riser and locking cap.

Stick-up = 1.47' (0.45 m)

Nominal 8" steel surface casing installed to 32' (9.8 m).

0' - 397.1' (0 - 121.04 m)- Neat Cement Slurry with 5% Bentonite.

8 3/4" borehole to 35'. ~7 7/8" borehole to 500'.

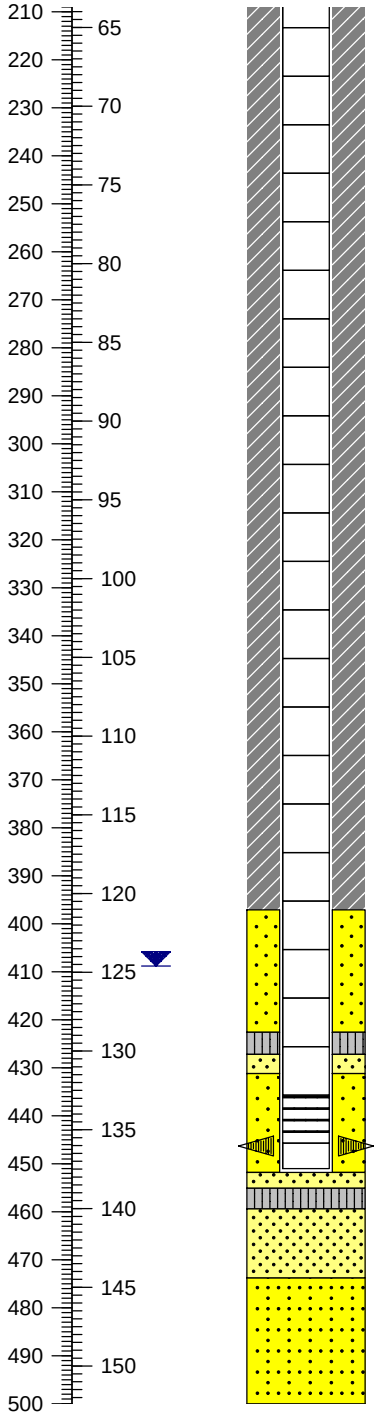
Casing Explanation:

- Surface Casing **Nominal 8" Steel**
- Conventional Casing **Nominal 4" SCH 5 Stainless Steel**
- Conventional Casing **Nominal 4" SCH 10 Stainless Steel**
- Conventional Screen **Nominal 4" SCH 10 Stainless Steel**
- Conventional End Cap **Nominal 4" SCH 10 Stainless Steel**
- **Welded Stainless Steel Centralizers**
- Water Table

Annular Materials Explanation:

- Cement
- Bentonite (Grout Well DF)
- Bentonite Seal
- Slough
- 1/8 Gravel
- 8/14 Sand
- 4/8 Sand
- 6/9 Sand
- 8/12 Sand
- 8/20 Sand
- 10/20 Sand
- 16/40 Sand
- 20/40 Sand
- 30/70 Sand

Feet/Meters



Well Descriptions
All depths listed are bgs (unless noted)

All casing above 334.6' is SCH 5 Nominal 4" Stainless Steel.

All casing and screen below 334.6' is SCH 10 Nominal 4" Stainless Steel.

408.8 (124.60 m)- Static water level in cased borehole.

435.3 (132.68 m)- Top of SCH 10 Nominal 4" Stainless Steel 0.02 slot screen.
445.7 (135.85 m)- Bottom of SCH 10 Nominal 4" Stainless Steel 0.02 slot screen.
446.3 (136.03 m)- Stainless Steel Centralizer.
451.0 (137.46 m)- Nominal 4" SCH 10 Stainless Steel casing TD.

Annular/Borehole Descriptions
All depths listed are bgs

397.1' (121.04 m)- Top of 10/20 Sand.

422.6' (128.81 m)- Top of Bentonite Plug (Pellets).
427.2' (130.21 m)- Top of 16/40 Sand.
431.2' (131.43 m)- Top of 8/20 Sand.

451.8' (137.71 m)- Top of 16/40 Sand.
455.1' (138.71 m)- Top of Bentonite Plug (Pellets).

459.4' (140.03 m)- Top of 16/40 Sand.
473.8' (144.41 m)- Top of 8/14 Sand.

500' (152.4 m)- ~7 7/8" Borehole TD.

Appendix A
Well Drilling and Plugging Permits and Plugging Record

ELIZABETH K. ANDERSON, P.E.
STATE ENGINEER

District 4 Office
1680 Hickory Loop Suite J
Las Cruces, NM 88005-6598
Phone: (575) 524-6161
Fax: (575) 524-6160

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 793553
File Nbr: LRG 19004

Nov. 20, 2025

NASA, WHITE SANDS TEST FACILITY
AMANDA SKARSGARD
P.O. BOX 20
LAS CRUCES, NM 88004

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
* You, the permittee, are required to email nm.driller@ose.nm.gov with the following information when the driller is enroute to the drilling site: OSE File number, POD number, physical address, driller company and license number, and date/time driller is to be on site.
* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.nm.gov.

Sincerely,

Jennifer Yebra

Jennifer Yebra
Associate Water Resources Professional
(575)524-6161

Enclosure
explore

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.

17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.

17-Q The State Engineer retains jurisdiction over this permit.

17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

LOG The Point of Diversion LRG 19004 POD1 must be completed and the Well Log filed on or before 11/20/2026.

LOG The Point of Diversion LRG 19004 POD2 must be completed and the Well Log filed on or before 11/20/2026.

Trn Desc: LRG 19004 POD1-2

File Number: LRG 19004
Trn Number: 793553

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 10/31/2025 Pub. of Notice Ordered:
Date Returned - Correction: Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 20 day of Nov A.D., 2025

Elizabeth K. Anderson, P.E., State Engineer

By: Jennifer Yebra
Jennifer Yebra

Trn Desc: LRG 19004 POD1-2

File Number: LRG 19004
Trn Number: 793553

File No. LRG-19004

NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable boxes):

For fees, see State Engineer website: http://www.ose.state.nm.us/

Purpose:	☐	Pollution Control And/Or Recovery	☐	Ground Source Heat Pump
☐ Exploratory Well*(Pump test)	☐	Construction Site/Public Works Dewatering	☐	Other(Describe):
☒ Monitoring Well	☐	Mine Dewatering		

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

☐ Check here if the borehole is anything other than vertifical (directional boring or angle boring) and include a schematic of your design.

☐ Temporary Request - Requested Start Date: 10-31-2025 Requested End Date: 11-20-2026

Plugging Plan of Operations Submitted? ☐ Yes ☒ No

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form. ☐

1. APPLICANT(S)

Name: Cascade Drilling L.P.	Name: NASA, Johnson Space Center, White Sands Test Facility
Contact or Agent: Mark Green ☐ check here if Agent	Contact or Agent: Amanda Skarsgard ☐ check here if Agent
Mailing Address: 3621 HWY 47	Mailing Address: P.O. Box 20
City: Peralta	City: Las Cruces
State: NM Zip Code: 87042	State: NM Zip Code: 88004
Phone: 505-991-3511 ☐ Home ☒ Cell Phone (Work):	Phone: ☐ Home ☐ Cell Phone (Work): 575-524-5460
E-mail (optional): mgreen@cascade-env.com	E-mail (optional): amanda.g.skarsgard@nasa.gov

RECEIVED
2025 OCT 31 AM 10:39
STATE ENGINEER OFFICE
LAS CRUCES, NEW MEXICO

FOR OSE INTERNAL USE Application for Permit, Form WR-07, Rev 02/29/2024

File No.: LRG-19004	Trn. No.: 793553	Receipt No.: 4-27318 $67
Trans Description (optional): LRG-19004-POD1-2		
Sub-Basin: LRO	PCW/LOG Due Date: 11-20-2026	

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell), District V (Aztec) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet)
☐ NM West Zone
☐ NM East Zone
☐ NM Central Zone

☐ UTM (NAD83) (Meters)
☐ Zone 12N
☐ Zone 13N

■ Lat/Long (WGS84) (to the nearest 1/10th of second)

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (*Quarters or Halves , Section, Township, Range)* OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
LRG-19004-POD1 600C-004-GW	32°30'39.59"N	106°39'23.19"W	Sec. 5, T 21S, R 03E
LRG-19004-POD2 600C-003-GW	32°31'20.73"N	106°38'46.35"	" "

RECEIVED
2025 OCT 31 AM 10:39
STATE ENGINEER OFFICE
LAS CRUCES, NEW MEXICO

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: ☐ Yes ■ No **If yes, how many**_____

Other description relating well to common landmarks, streets, or other:
R0310062

Well is on land owned by:

Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? ☐ Yes ☐ No
If yes, how many 2

Approximate depth of well (feet): 600	Outside diameter of well casing (inches): 5 1/2"
Driller Name: Shawn Cain	Driller License Number: WD-1664

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

FOR OSE INTERNAL USE — Application for Permit, Form WR-07 Version 02/29/2024

File No.: LRG-19004	Trn No.: 793553

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory*:	**Pollution Control and/or Recovery:**	**Construction De-Watering:**	**Mine De-Watering:**
Is proposed well a future public water supply well? ☐ Yes ☐ NO If Yes, an application must be filed with NMED-DWB, concurrently. ☐ Include a description of any proposed pump test, if applicable.	☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for the pollution control or recovery operation. ☐ The estimated maximum period of time for completion of the operation. ☐ The annual diversion amount. ☐ The annual consumptive use amount. ☐ The maximum amount of water to be diverted and injected for the duration of the operation. ☐ The method and place of discharge. ☐ The method of measurement of water produced and discharged. ☐ The source of water to be injected. ☐ The method of measurement of water injected. ☐ The characteristics of the aquifer. ☐ The method of determining the resulting annual consumptive use of water and depletion from any related stream system. ☐ Proof of any permit required from the New Mexico Environment Department. ☐ An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	☐ Include a description of the proposed dewatering operation, ☐ The estimated duration of the operation, ☐ The maximum amount of water to be diverted, ☐ A description of the need for the dewatering operation, and, ☐ A description of how the diverted water will be disposed of.	☐ Include a plan for pollution control/recovery, that includes the following: ☐ A description of the need for mine dewatering. ☐ The estimated maximum period of time for completion of the operation. ☐ The source(s) of the water to be diverted. ☐ The geohydrologic characteristics of the aquifer(s). ☐ The maximum amount of water to be diverted per annum. ☐ The maximum amount of water to be diverted for the duration of the operation. ☐ The quality of the water. ☐ The method of measurement of water diverted. ☐ The recharge of water to the aquifer. ☐ Description of the estimated area of hydrologic effect of the project. ☐ The method and place of discharge. ☐ An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. ☐ A description of the methods employed to estimate effects on surface water rights and underground water rights. ☐ Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
Monitoring*: ☒ Include the reason for the monitoring well, and, ☐ The duration of the planned monitoring.		**Ground Source Heat Pump:** ☐ Include a description of the geothermal heat exchange project, ☐ The number of boreholes for the completed project and required depths. ☐ The time frame for constructing the geothermal heat exchange project, and, ☐ The duration of the project. ☐ Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	

(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Shawn Cain

Print Name(s)

affirm that the foregoing statements are true to the best of (my,our) knowledge and belief.

Applicant Signature

Applicant Signature

RECEIVED
2025 OCT 31 AM 10:39
STATE ENGINEER OFFICE
LAS CRUCES, NEW MEXICO

ACTION OF THE STATE ENGINEER

This application is:

☑ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 20th day of November 20 25, for the State Engineer.

_____, State Engineer

Elizabeth K. Anderson, P.E.,
STATE ENGINEER

BY Jennifer Yebra
Jennifer Yebra
Associate Water Resources Professional

_____ Print

STATE ENGINEER STATE OF NEW MEXICO

FOR OSE INTERNAL USE Application for Permit, Form WR-07 Version 02/29/2024

File No.: LRG-19004 Trn No.: 793553

Mike A. Hamman, P.E.
State Engineer

Las Cruces Office- Dist 4
1680 HICKORY LOOP, SUITE J
LAS CRUCES, NM 88005

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

November 21, 2025

Nasa White Sands Test Facility
Amanda Skarsgard
P.O.Box 20
Las Cruces NM, 88004

File No. LRG-19005
RE: Plugging Plan Approval for LRG-19005-POD1 and LRG-19005-POD2

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for LRG-19005-POD1 and LRG-19005-POD2, approved subject to the attached conditions. You are responsible for submitting a properly completed Plugging Record to the office within thirty (30) days after plugging is completed. The Plugging record is available at: https://www.ose.nm.gov/

Please let us know if you have any questions.

Sincerely,

Jennifer Yebra
Associate Water Resources Professional
District IV WRAP

Encl (2): Well Plugging Plan of Operations and Conditions of Approval

NEW MEXICO STATE ENGINEER OFFICE
ADMINISTRATIVE PERMIT (NOT PUBLISHED)

SPECIFIC CONDITIONS OF APPROVAL

17-6D Well pod_basin pod_nbr pod_suffix shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging, but no later than .

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 10/31/2025 Pub. of Notice Ordered:
Date Returned - Correction: Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 21 day of Nov A.D., 2025

Elizabeth K. Anderson, P.E.,
STATE ENGINEER
, State Engineer

BY Jennifer Yebra
Jennifer Yebra
Associate Water Resources Professional

STATE ENGINEER OF THE STATE OF NEW MEXICO
GREAT SEAL OF THE STATE OF NEW MEXICO 1912

Trn Desc: PLUGGING PLAN

File Number: LRG 19005
Trn Number: 793617

page: 1

WELL PLUGGING PLAN OF OPERATIONS

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: PL-3-453 LRG-19005-POD1

Name of well owner: NASA, Johnson Space Center, White Sands Test Facility

Mailing address: P.O. Box 20 County:

City: Las Cruces State: NM Zip code: 88004

Phone number: 575-524-5460 E-mail: amanda.g.skarsgard@nasa.gov

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Shawn Cain

New Mexico Well Driller License No.: WD-1664 Expiration Date: 1-31-2027

IV. WELL INFORMATION: ☐ **Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.**

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

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1) GPS Well Location: Latitude: 32 deg, 30 min, 39.44 sec
Longitude: 106 deg, 39 min, 46.41 sec, NAD 83

2) Reason(s) for plugging well(s):

Water table is dropping and the well is drying up. New well will be drilled.

3) Was well used for any type of monitoring program? yes If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? yes If yes, provide additional detail, including analytical results and/or laboratory report(s): VOC/SVOC

5) Static water level: 465 feet below land surface / feet above land surface (circle one)

6) Depth of the well: 469.1 feet

LRG-19005 TRN:793617

7) Inside diameter of innermost casing: 4" inches.

8) Casing material: SS

9) The well was constructed with:

☒ an open-hole production interval, state the open interval: 87'

☐ a well screen or perforated pipe, state the screened interval(s): 453.44 to 463.82

10) What annular interval surrounding the artesian casing of this well is cement-grouted? NA

11) Was the well built with surface casing? Y If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? Y If yes, please describe:

cement grout 5% bentonite

12) Has all pumping equipment and associated piping been removed from the well? Y If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING:

☑ **If plugging method differs between multiple wells on same site, a separate form must be completed for each method.**

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

we will lower 2" ID trimmie pipe into the boring. then we will presser grout from the bottom of the bore hole to the top keeping the trimmie pipe submerged at all times.

2) Will well head be cut-off below land surface after plugging? Y

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

1) For plugging intervals that employ cement grout, complete and attach Table A.

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.

3) Theoretical volume of grout required to plug the well to land surface: 307

4) Type of Cement proposed: Bentonite cement 5%

5) Proposed cement grout mix: 8.5 gallons of water per 94 pound sack of Portland cement.

6) Will the grout be: Y batch-mixed and delivered to the site

_____ mixed on site

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7) Grout additives requested, and percent by dry weight relative to cement:

5% bentonite powder

8) Additional notes and calculations:

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

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VIII. SIGNATURE:

I, Shawn Cain, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Signature of Applicant — Date: 10-8-2025

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

✓ Approved subject to the attached conditions.
_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 21st day of November, 2025

STATE ENGINEER OF NEW MEXICO — SEAL OF THE STATE OF NEW MEXICO — GREAT SEAL 1912

Elizabeth K. Anderson, P.E.,
STATE ENGINEER

New Mexico State Engineer

BY Jennifer Yebra
Jennifer Yebra
Associate Water Resources Professional

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)			
Bottom of proposed interval of grout placement (ft bgl)			
Theoretical volume of grout required per interval (gallons)			
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch-mixed and delivered?			
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

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TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			
Bottom of proposed sealant of grout placement (ft bgl)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)			

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ATTACHMENT to WD-08 Plan of Plugging
MULTIPLE MONITORING WELL DESCRIPTIONS

This Attachment is to be completed if more than one (1) monitoring well is to be plugged using the same method.

Location (Required):

☐ NM State Plane (NAD83) (Feet) ☐ NM West Zone ☐ NM Central Zone ☐ NM East Zone	☐ UTM (NAD83) (Meters) ☐ Zone 13N ☐ Zone 12N	■ Lat/Long (WGS84) (1/10th of second)	OTHER (allowable only for move-from descriptions - see application form for format) ☐ PLSS (quarters, section, township, range) ☐ Hydrographic Survey, Map & Tract ☐ Lot, Block & Subdivision ☐ Grant

OSE POD Number:	Other Well ID:	X or Longitude (ddmmss):	Y or Latitude (ddmmss):	Other Location Info (PLSS):	Casing ID- (inches):	Depth to Water- (ft bgs):	Total well Depth- (ft bgs):	Grout Volume:	Surface Casing (Y or N):
LRG-19005-POD2	BLM-1-435	32°31'21.07"N	106°38'46.41"W		4	409	451	269.87	Y

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FOR OSE INTERNAL USE — Multiple Montioring POD Descriptions, Form wr-08m (Rev 7/31/19)

File Number: LRG-19005	Trn Number: 793617
Trans Description (optional):	

PLUGGING RECORD

NOTE: **A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: LRG-19005-POD2

Well owner: NASA, Johnson Space Center, White Sands Test Facility Phone No.: 575-524-5460

Mailing address: PO Box 20

City: Las Cruces State: NM Zip code: 88004

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Cascade Drilling

2) New Mexico Well Driller License No.: WD-1664 Expiration Date: 1/31/27

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Mark Green

4) Date well plugging began: 1/16/26 Date well plugging concluded: 1/16/26

5) GPS Well Location: Latitude: 32 deg, 31 min, 21.07 sec
Longitude: 106 deg, 38 min, 46.41 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 453.75 ft below ground level (bgl), by the following manner: Tag Line

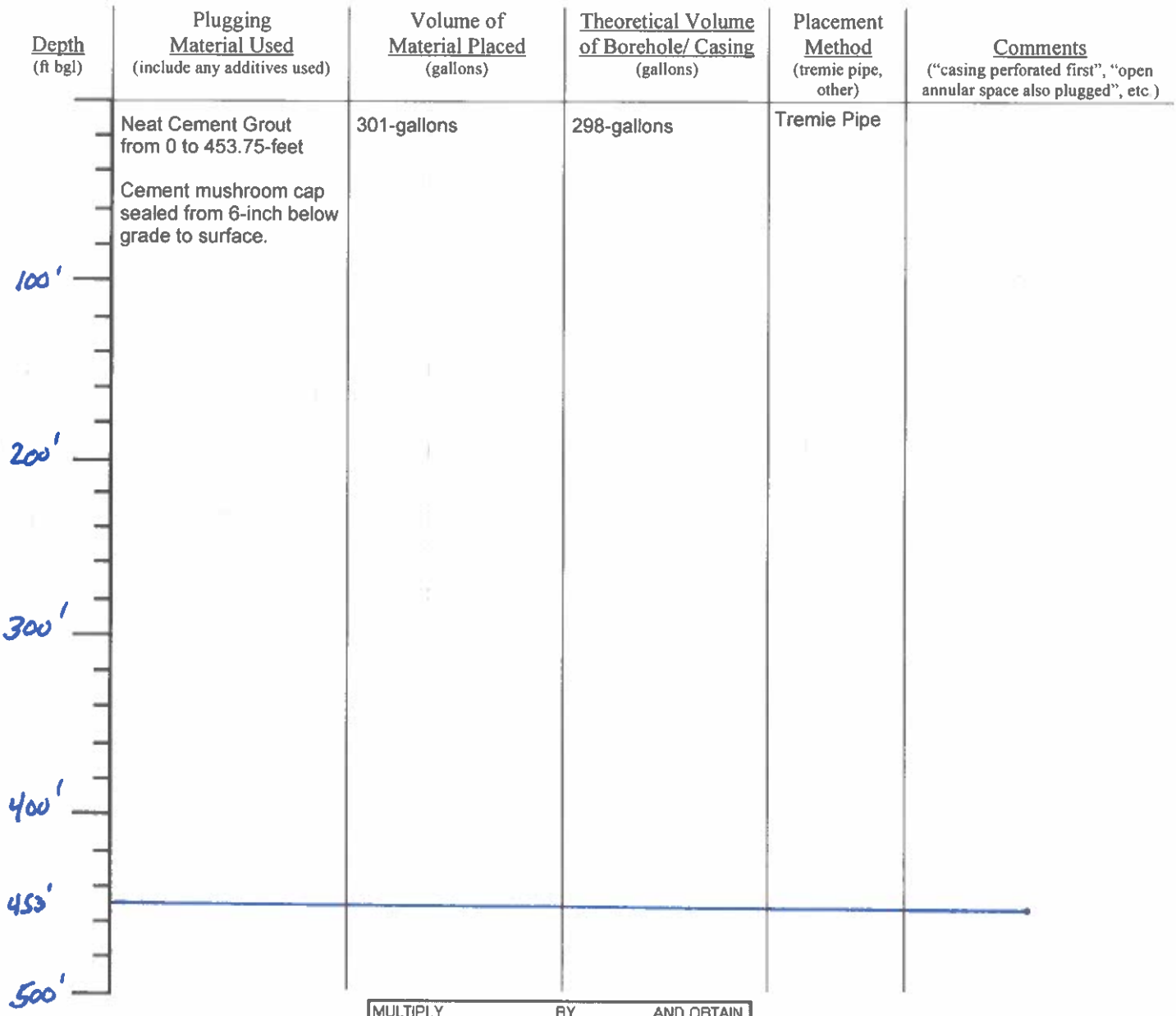
7) Static water level measured at initiation of plugging: 409.50 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 11/21/26

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:



Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement Grout from 0 to 453.75-feet Cement mushroom cap sealed from 6-inch below grade to surface.	301-gallons	298-gallons	Tremie Pipe	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Shawn Cain, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller — Date

Appendix B
Lithologic Log

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
Borehole Diameter: 12 inches

Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
Checked By: Jeff Eddo

elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
4545.39				SM	SANDY SILT; light brown (7.5YR 6/4); 80% silt; 20% fine to medium sand; loose; dry	
10				SM	SANDY SILT WITH SOME GRAVEL; pink (7.5YR 7/3); 80% silt; 15% fine to medium sand; 5% fine to medium subangular gravel; poorly graded; loose; dry	
4535.39				SM	SANDY SILT WITH SOME GRAVEL; light reddish brown (5YR 6/4); 80% silt; 15% fine to medium sand; 5% fine to medium subangular gravel; poorly graded; loose; dry	
20				SM	SANDY SILT WITH SOME GRAVEL; light brown (7.5YR 6/4); 80% silt; 15% fine to medium sand; 5% fine to medium subangular gravel; poorly graded; loose; dry	
4525.39						
30						

SM | Portland Cement | Bentonite Grout | PVC

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
Borehole Diameter: 12 inches

Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
Checked By: Jeff Eddo

elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
4515.39				SM	SANDY SILT WITH SOME GRAVEL; light brown (7.5YR 6/4); 80% silt; 15% fine to medium sand; 5% fine to medium subangular gravel; poorly graded; loose; dry	
40				SM	SILTY SAND WITH GRAVEL; light reddish brown (5YR 6/4); 50% fine to medium sand; 30% silt; 20% fine to coarse subangular gravel; poorly graded; loose; dry	
4505.39						
50				SM	GRAVELLY SAND WITH SOME SILT; light reddish brown (5YR 6/4); 75% fine to coarse sand; 15% fine to medium subangular gravel; 10% silt; poorly graded; loose; dry	
4495.39						
60				SM	GRAVELLY SAND WITH SOME SILT; light reddish brown (5YR 6/4); 75% fine to coarse sand; 15% fine to coarse subangular gravel; 10% silt; poorly graded; loose; dry	
4485.39						
70				SW	GRAVELLY SAND; light reddish brown (5YR 6/4); 60% fine to coarse sand; 40% fine to coarse subangular gravel; well graded; loose; dry	

SM | SW | Bentonite Grout | PVC

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
Borehole Diameter: 12 inches

Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
Checked By: Jeff Eddo

elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
4475.39 / 80				SW	GRAVELLY SAND; light reddish brown (5YR 6/4); 60% fine to coarse sand; 40% fine to coarse subangular gravel; well graded; loose; dry	
4465.39 / 90				SW	GRAVELLY SAND; light reddish brown (5YR 6/4); 60% fine to coarse sand; 40% fine to coarse subangular gravel; well graded; loose; dry	
4455.39 / 100				SM	SANDY SILT WITH SOME GRAVEL; light reddish brown (5YR 6/4); 80% silt; 15% fine to coarse sand; 5% fine to medium subangular gravel; poorly graded; loose; dry	
4445.39 / 110				GW	SAND AND GRAVEL; reddish brown (5YR 5/4); 50% fine to coarse subangular gravel; 50% fine to coarse sand; well graded; loose; dry	
110				SM	SILTY SAND; reddish brown (5YR 6/4); 60% fine sand; 40% silt; poorly graded; loose; dry	

SW | GW | PVC
SM | Bentonite Grout

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
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Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
Checked By: Jeff Eddo

elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
				SM	SILTY SAND; reddish brown (5YR 6/4); 60% fine sand; 40% silt; poorly graded; loose; dry	
4435.39 / 120				GM	SILTY SANDY GRAVEL; reddish brown (5YR 5/4); 70% fine to coarse, subangular gravel; 15% fine to coarse sand; 15% silt; poorly graded; loose; dry	
4425.39 / 130				SM	SILT WITH SOME SAND; light brown (7.5YR 6/4); 90% silt; 10% fine sand; poorly graded; loose; dry	
4415.39 / 140				GM	SANDY SILTY GRAVEL; light brown (7.5YR 6/4); 60% fine to coarse subangular gravel; 25% fine to coarse sand; 15% silt; poorly graded; loose; dry	
					150	

SM | GM | Bentonite Grout | PVC

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
Borehole Diameter: 12 inches

Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
Checked By: Jeff Eddo

elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
				SM	SANDY SILT WITH SOME GRAVEL; light brown (7.5YR 6/4); 75% silt; 15% fine to coarse sand; 10% fine to coarse subangular gravel; poorly graded; loose; dry	
4395.39					160	
160				SM	SANDY SILT WITH SOME GRAVEL; light brown (7.5YR 5/4); 70% silt; 20% fine to coarse sand; 10% fine to coarse subangular gravel; poorly graded; loose; dry	
4385.39					170	
170				SM	SANDY SILT WITH SOME GRAVEL; light brown (7.5YR 5/4); 70% silt; 20% fine to coarse sand; 10% fine to coarse subangular gravel; poorly graded; loose; dry	
4375.39					180	
180				GM	SILTY SANDY GRAVEL; light brown (7.5YR 6/4); 50% fine to coarse subangular gravel; 25% fine to coarse sand; 25% silt; poorly graded; loose; dry	

SM | GM | Bentonite Grout | PVC

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
Borehole Diameter: 12 inches

Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
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Checked By: Jeff Eddo

elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
4365.39				GM	SANDY SILTY GRAVEL; light brown (7.5YR 6/4); 50% fine to coarse subangular gravel; 25% fine to coarse sand; 25% silt; poorly graded; loose; dry	
190					190	
				SM	SANDY SILT WITH SOME GRAVEL; brown (7.5YR 5/4); 75% silt; 15% fine to coarse sand; 10% fine to coarse subangular gravel; poorly graded; loose; dry	
4355.39					200	
200				GM	SILTY GRAVEL; light yellowish brown (10YR 6/4); 60% fine to coarse subangular gravel; 40% silt; poorly graded; loose; dry	
4345.39					210	
210				GW	GRAVEL WITH SOME SILT; brown (7.5YR 5/4); 90% fine to coarse subangular gravel; 10% silt; well graded; loose; dry	
4335.39					220	
220				GM	SILTY GRAVEL; light brown (7.5YR 6/4); 85% fine to coarse subangular gravel; 15% silt; poorly graded; loose; dry	Driller begins open hole drilling with water and NSF/ANSI Standard 60 certified polymeric drilling foam to aid in advancing the drill bit

GM | SM | Bentonite Grout | PVC

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
Borehole Diameter: 12 inches

Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
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elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
4325.39 / 230				GM	SILTY GRAVEL; light brown (7.5YR 6/4); 85% fine to coarse subangular gravel; 15% silt; poorly graded; loose; dry	
4315.39 / 240				GM	GRAVEL WITH SOME SAND AND SILT; light brown (7.5YR 6/4); 85% fine to coarse subangular gravel; 10% fine to coarse sand; 5% silt; poorly graded; loose; dry	
4305.39 / 250				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
4295.39 / 260				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	

GM | Bentonite Grout | PVC

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
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Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
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elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
4285.39 / 270				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
4275.39 / 280				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
4265.39 / 290				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	

GM | Bentonite Grout | PVC

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
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Checked By: Jeff Eddo

elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
4245.39					310	
310				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
4235.39					320	
320				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
4225.39					330	
330				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	

GM | Bentonite Grout | PVC

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
Borehole Diameter: 12 inches

Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
Checked By: Jeff Eddo

elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
4215.39				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
340					340	
				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
4205.39					350	
350				GM	SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
4195.39					360	
360				GW	GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; dry	Driller stops using NSF/ANSI Standard 60 certified polymeric drilling foam
4185.39					370	
370				GW	GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; dry	

GM | GW | Bentonite Grout | PVC

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
Borehole Diameter: 12 inches

Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
Checked By: Jeff Eddo

elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
4175.39				GW	GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; dry	
380				SM	SILTY SAND WITH SOME GRAVEL; light brown (7.5YR 6/4); 75% fine to coarse sand; 20% silt; 5% fine subangular gravel; poorly graded; loose; dry	
4165.39						
390				GM	SANDY GRAVEL WITH SOME SILT; light brown (7.5YR 6/4); 60% fine to medium subangular gravel; 30% fine to coarse sand; 10% silt; poorly graded; loose; dry	
4155.39						
400				GM	SANDY GRAVEL WITH SOME SILT; light brown (7.5YR 6/4); 60% fine to medium subangular gravel; 30% fine to coarse sand; 10% silt; poorly graded; loose; dry	
4145.39						
410				GW	GRAVEL WITH SOME SILT; light brown (7.5YR 6/4); 95% fine to coarse subangular gravel; 5% silt; well graded; loose; wet	

GW | GM | PVC
SM | Bentonite Grout

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
Borehole Diameter: 12 inches

Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
Checked By: Jeff Eddo

elev / depth (ft)	Material Description and Notes	USCS	Notes
4135.39	GRAVEL WITH SOME SILT; light brown (7.5YR 6/4); 95% fine to coarse subangular gravel; 5% silt; well graded; loose; wet	GW	First groundwater encountered on 1/10/2026 at 418.3 feet below ground surface Collected groundwater sample 2601081200 between 410 to 420 feet below ground surface on 01/08/2026
420			
4125.39	GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; wet	GW	Collected soil sample 2601081155 between 410 to 420 feet below ground surface on 01/08/2026
430			
4115.39	GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; wet	GW	
440			
	SILTY GRAVEL; light brown (7.5YR 6/4); 85% fine to medium subangular gravel; 15% silt; well graded; loose; wet	GW	
	450		

Groundwater Level | Bentonite Grout | 12/20 Silica | PVC | Sampled Interval
GW | Bentonite Chips | 10/20 Silica | Slotted PVC Screen

MONITORING WELL: 600C-003-GW

Project Number: 112G09033
Project Name: NASA WSTF Monitoring Well Installation
Client: NASA
Address: Adjacent to BLM-1-453
Drilling Date: 12/20/2025

Drilling Company: Cascade Environmental
Driller: Gerry Woods
Drill Rig: GEFCO Speedstar 50K
Drilling Method: Air Rotary
Total Depth: 464 feet below ground surface
Borehole Diameter: 12 inches

Coordinates: 168866.58N, 462756.83E
Coords Sys: NAD83, New Mexico State Plane, Central Zone, Meters
Surface Elevation: 4552.91 feet above mean sea level, NAVD88
Logged By: Benjamin Seiderman
Checked By: Jeff Eddo

elev / depth (ft)	Sample Interval	Graphic Log	Well	USCS	Material Description and Notes	Notes
4095.39				GW	GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; wet	
460						Collected groundwater sample 2601090830 at 464 feet below ground surface on 01/09/2026 Collected soil sample 2601081405 at 464 feet below ground surface on 01/08/2026
					460	
					464	

Total depth of 600C-003-GW borehole is 464 feet below ground surface

GW | 12/20 Silica | Sump
10/20 Silica | Bentonite Chips | Sampled Interval

Appendix C
Photographic Log

Appendix C

Photographic Log of Chip Samples and Field Activities

White Sands Test Facility, New Mexico

PHOTO 1 **DATE:** 12/20/25 **DIRECTION:** Northwest **TAKEN BY:** G.A. **DESCRIPTION:** Air rotary casing hammer drilling at 600C-003-GW.	
PHOTO 2 **DATE:** 12/20/25 **DIRECTION:** North **TAKEN BY:** G.A. **DESCRIPTION:** Soil characterization for a chip sample at 600C-003-GW.	

Photographic Log

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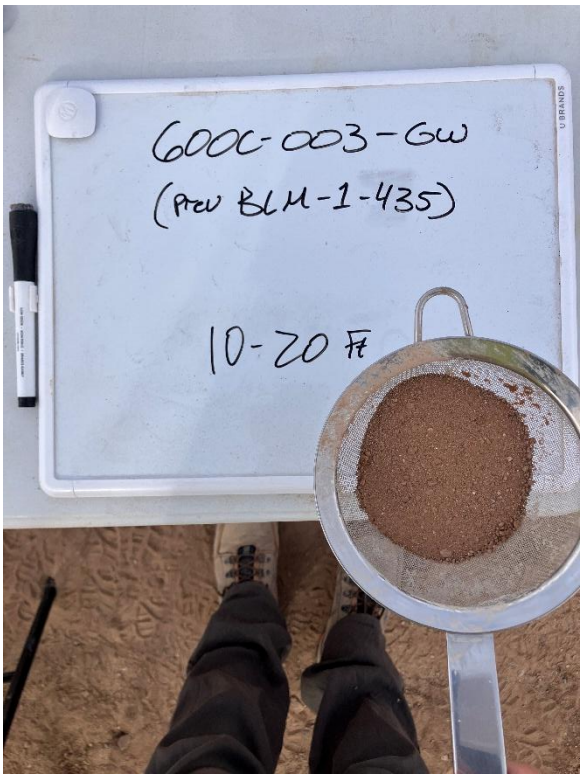
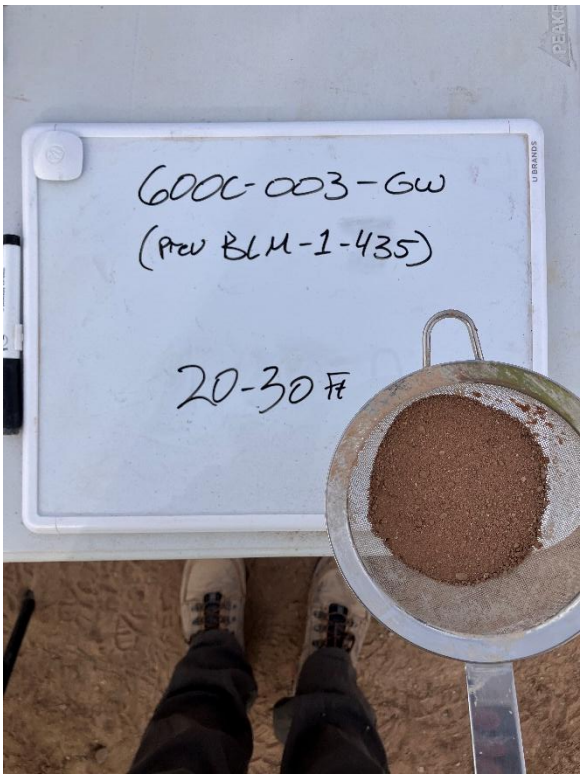
White Sands Test Facility, New Mexico

PHOTO 3 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 10-20 feet bgs: SANDY SILT WITH SOME GRAVEL; pink (7.5YR 7/3); 80% silt; 15% fine to medium sand; 5% fine to medium subangular gravel; poorly graded; loose; dry	
PHOTO 4 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 20-30 feet bgs: SANDY SILT WITH SOME GRAVEL; light reddish brown (5YR 6/4); 80% silt; 15% fine to medium sand; 5% fine to medium subangular gravel; poorly graded; loose; dry	

Photographic Log

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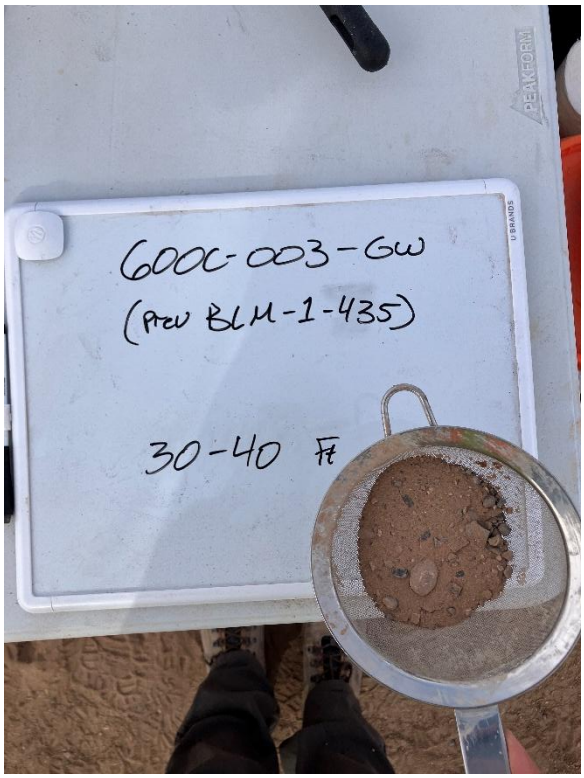
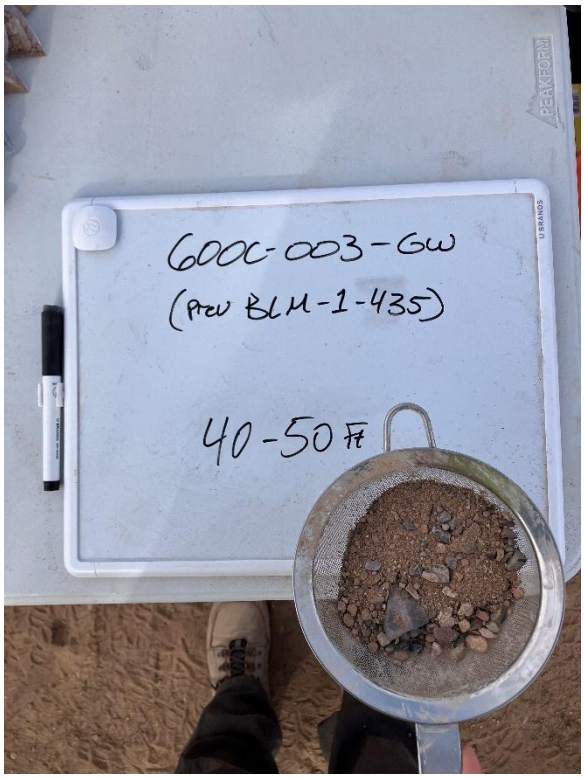
White Sands Test Facility, New Mexico

PHOTO 5 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 30-40 feet bgs: SANDY SILT WITH SOME GRAVEL; light brown (7.5YR 6/4); 80% silt; 15% fine to medium sand; 5% fine to medium subangular gravel; poorly graded; loose; dry	
PHOTO 6 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 40-50 feet bgs: SILTY SAND WITH GRAVEL; light reddish brown (5YR 6/4); 50% fine to medium sand; 30% silt; 20% fine to coarse subangular gravel; poorly graded; loose; dry	

Photographic Log

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White Sands Test Facility, New Mexico

PHOTO 7 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 50-60 feet bgs: GRAVELLY SAND WITH SOME SILT; light reddish brown (5YR 6/4); 75% fine to coarse sand; 15% fine to medium subangular gravel; 10% silt; poorly graded; loose; dry	
PHOTO 8 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 60-70 feet bgs: GRAVELLY SAND WITH SOME SILT; light reddish brown (5YR 6/4); 75% fine to coarse sand; 15% fine to coarse subangular gravel; 10% silt; poorly graded; loose; dry	

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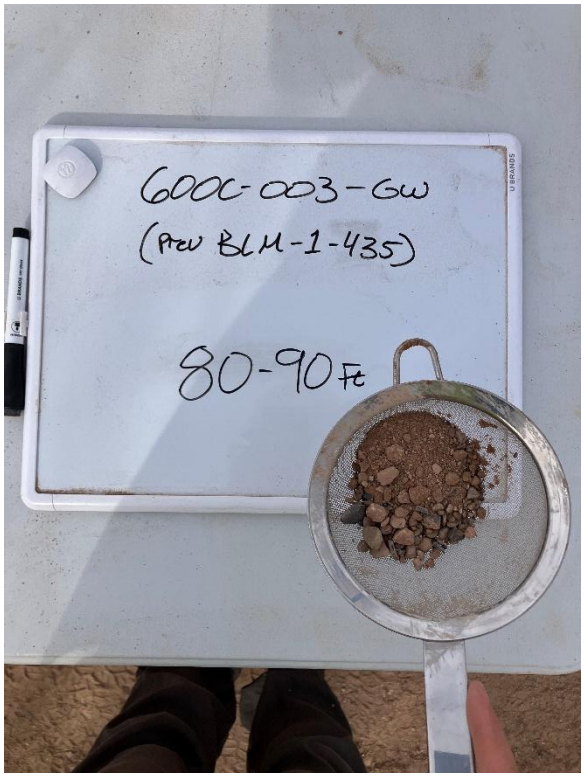
White Sands Test Facility, New Mexico

PHOTO 9 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 70-80 feet bgs: GRAVELLY SAND; light reddish brown (5YR 6/4); 60% fine to coarse sand; 40% fine to coarse subangular gravel; well graded; loose; dry	
PHOTO 10 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 80 - 90 feet bgs: GRAVELLY SAND; light reddish brown (5YR 6/4); 60% fine to coarse sand; 40% fine to coarse subangular gravel; well graded; loose; dry	

Photographic Log

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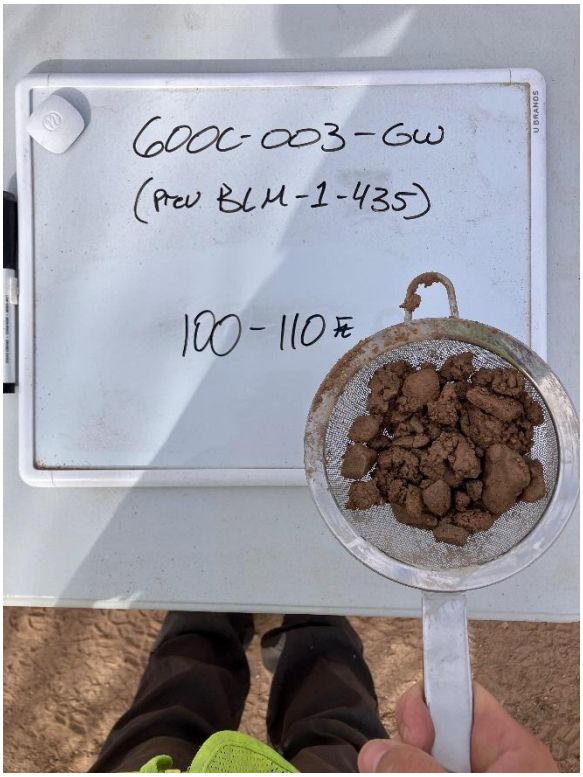
White Sands Test Facility, New Mexico

PHOTO 11 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 90 - 100 feet bgs: SANDY SILT WITH SOME GRAVEL; light reddish brown (5YR 6/4); 80% silt; 15% fine to coarse sand; 5% fine to medium subangular gravel; poorly graded; loose; dry	
PHOTO 12 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 100-110 feet bgs: SAND AND GRAVEL; reddish brown (5YR 5/4); 50% fine to coarse subangular gravel; 50% fine to coarse sand; well graded; loose; dry	

Photographic Log

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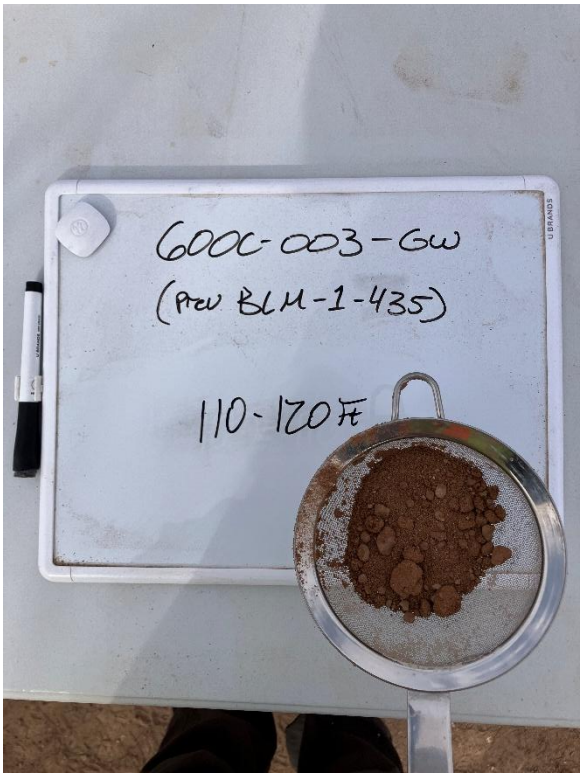
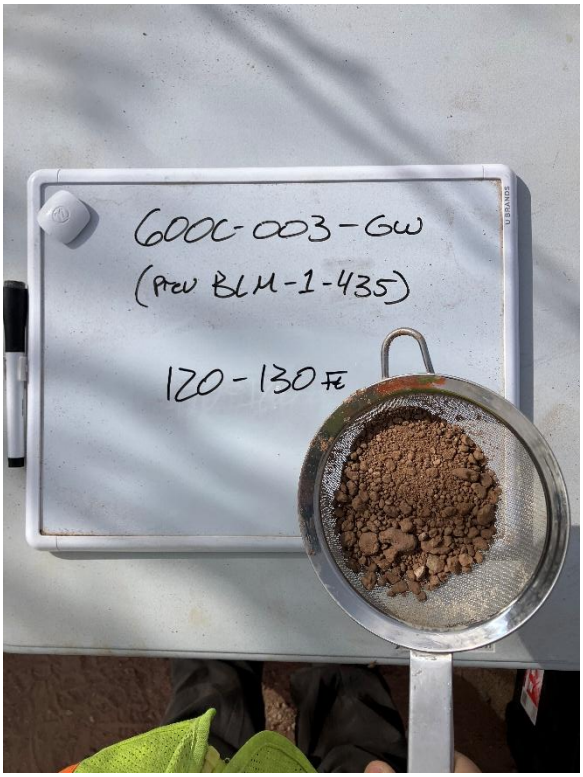
White Sands Test Facility, New Mexico

PHOTO 13 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 0600C-003-GW; 110-120 feet bgs: SILTY SAND; reddish brown (5YR 6/4); 60% fine sand; 40% silt; poorly graded; loose; dry	
PHOTO 14 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 120-130 feet bgs: SILTY SANDY GRAVEL; reddish brown (5YR 5/4); 70% fine to coarse subangular gravel; 15% fine to coarse sand; 15% silt; poorly graded; loose; dry	

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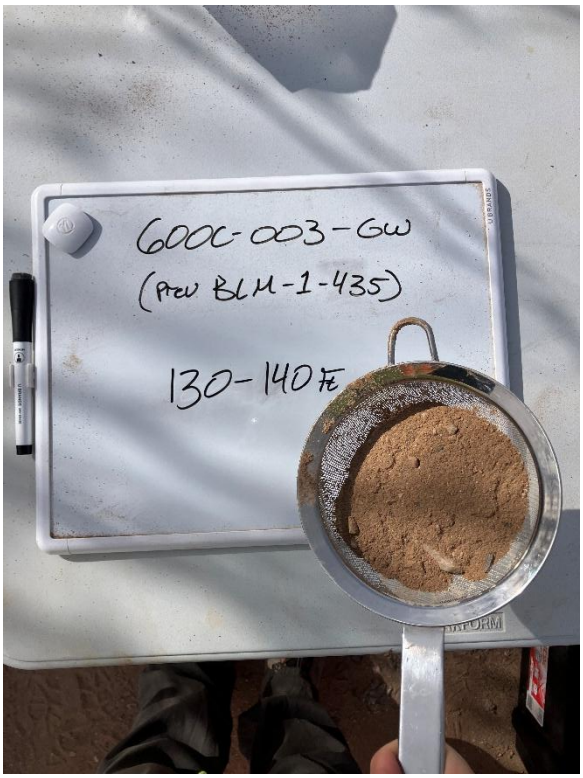
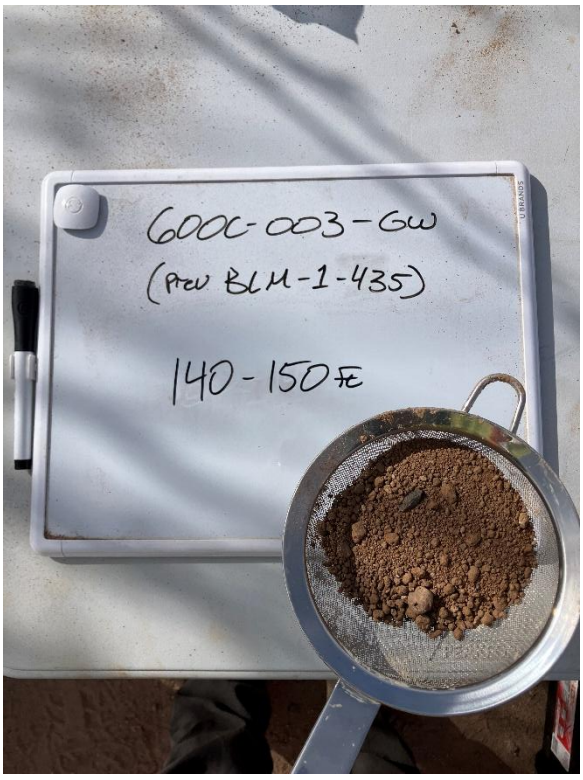
White Sands Test Facility, New Mexico

PHOTO 15 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 130-140 feet bgs: SILT WITH SOME SAND; light brown (7.5YR 6/4); 90% silt; 10% fine sand; poorly graded; loose; dry	
PHOTO 16 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 140-150 feet bgs: SANDY SILTY GRAVEL; light brown (7.5YR 6/4); 60% fine to coarse subangular gravel; 25% fine to coarse sand; 15% silt; poorly graded; loose; dry	

Photographic Log

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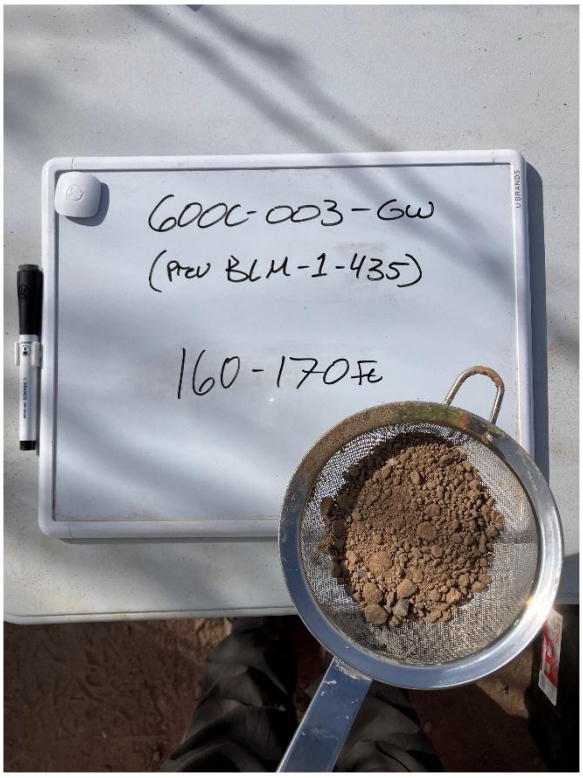
White Sands Test Facility, New Mexico

PHOTO 17 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 150-160 feet bgs: SANDY SILT WITH SOME GRAVEL; light brown (7.5YR 6/4); 75% silt; 15% fine to coarse sand; 10% fine to coarse subangular gravel; poorly graded; loose; dry	
PHOTO 18 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 160-170 feet bgs: SANDY SILT WITH SOME GRAVEL; light brown (7.5YR 5/4); 70% silt; 20% fine to coarse sand; 10% fine to coarse subangular gravel; poorly graded; loose; dry	

Photographic Log

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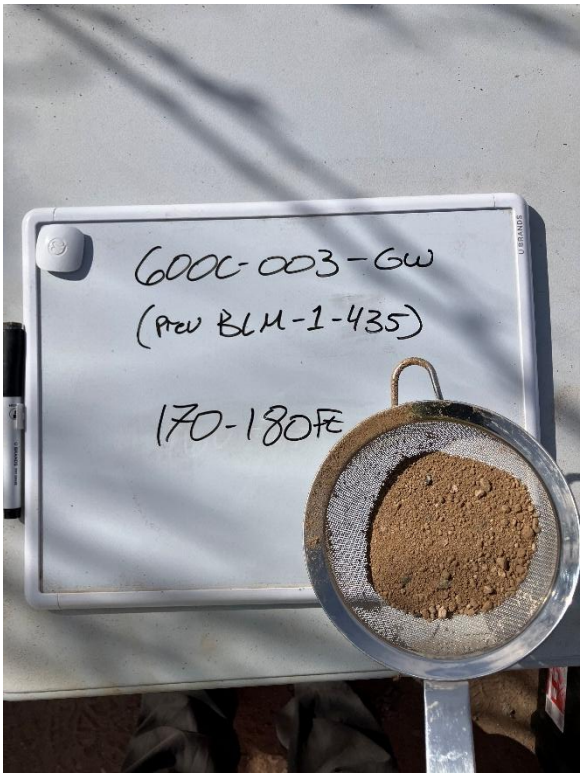
White Sands Test Facility, New Mexico

PHOTO 19 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 170-180 feet bgs: SANDY SILT WITH SOME GRAVEL; light brown (7.5YR 5/4); 70% silt; 20% fine to coarse sand; 10% fine to coarse subangular gravel; poorly graded; loose; dry	
PHOTO 20 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 180-190 feet bgs: SILTY SANDY GRAVEL; light brown (7.5YR 6/4); 50% fine to coarse subangular gravel; 25% fine to coarse sand; 25% silt; poorly graded; loose; dry	

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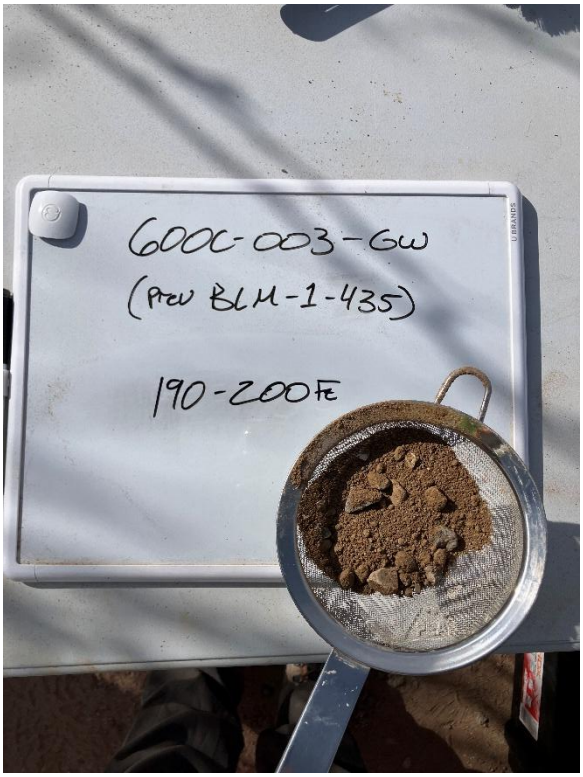
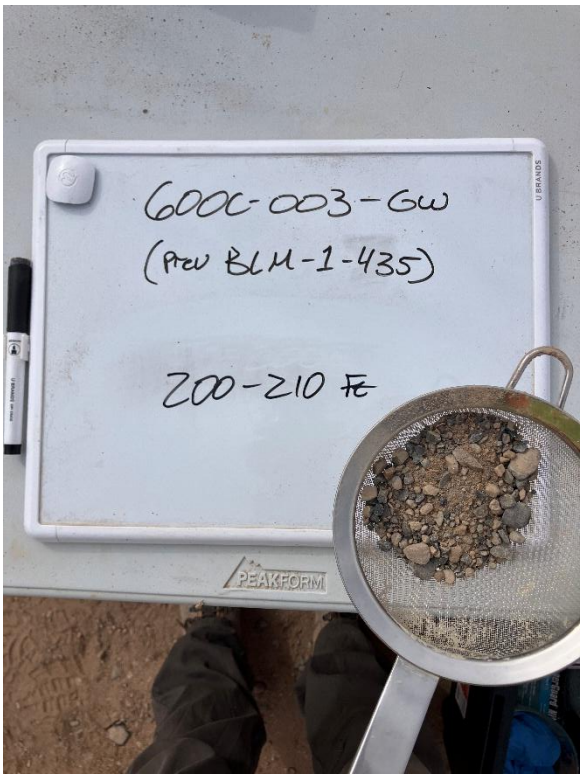
White Sands Test Facility, New Mexico

PHOTO 21 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 190-200 feet bgs: SANDY SILT WITH SOME GRAVEL; brown (7.5YR 5/4); 75% silt; 15% fine to coarse sand; 10% fine to coarse subangular gravel; poorly graded; loose; dry	
PHOTO 22 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 200-210 feet bgs: SILTY GRAVEL; light yellowish brown (10YR 6/4); 60% fine to coarse subangular gravel; 40% silt; poorly graded; loose; dry	

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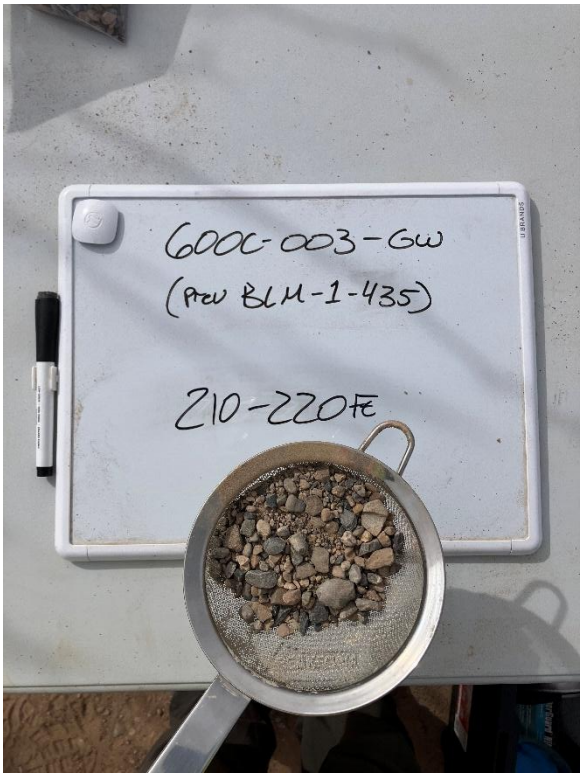
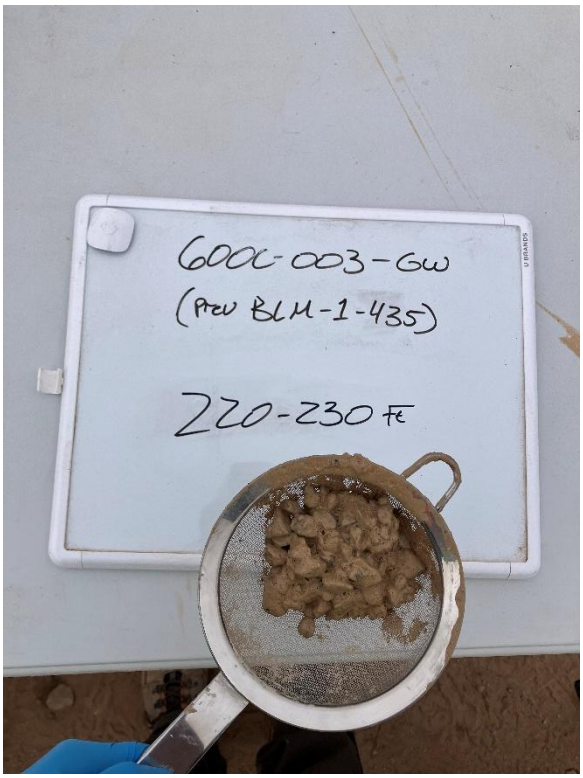
White Sands Test Facility, New Mexico

PHOTO 23 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 210-220 feet bgs: GRAVEL WITH SOME SILT; brown (7.5YR 5/4); 90% fine to coarse subangular gravel; 10% silt; well graded; loose; dry	
PHOTO 24 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 220-230 feet bgs: SILTY GRAVEL; light brown (7.5YR 6/4); 85% fine to coarse subangular gravel; 15% silt; poorly graded; loose; dry	

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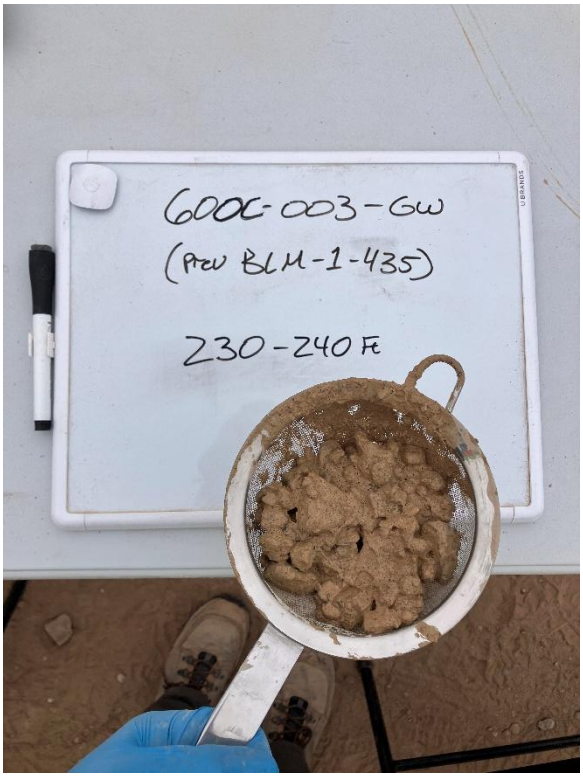
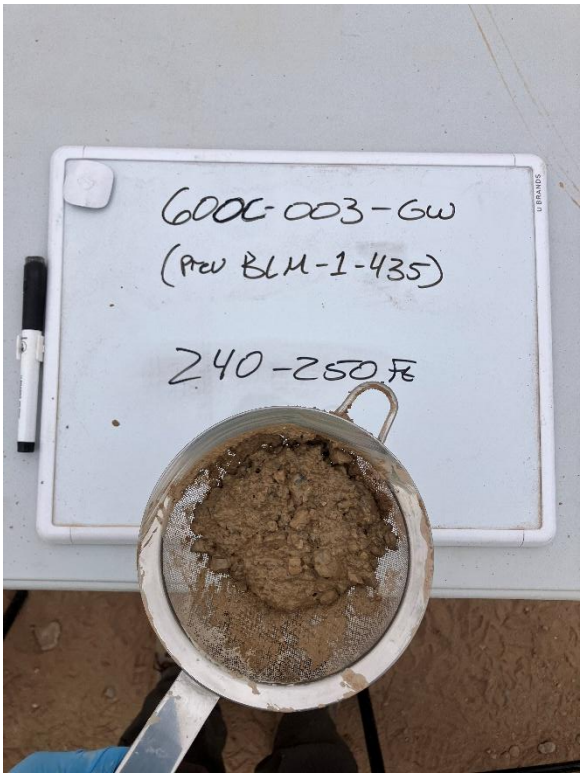
White Sands Test Facility, New Mexico

PHOTO 25 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 230-240 feet bgs: GRAVEL WITH SOME SAND AND SILT; light brown (7.5YR 6/4); 85% fine to coarse subangular gravel; 10% fine to coarse sand; 5% silt; poorly graded; loose; dry	
PHOTO 26 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 240-250 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	

Photographic Log

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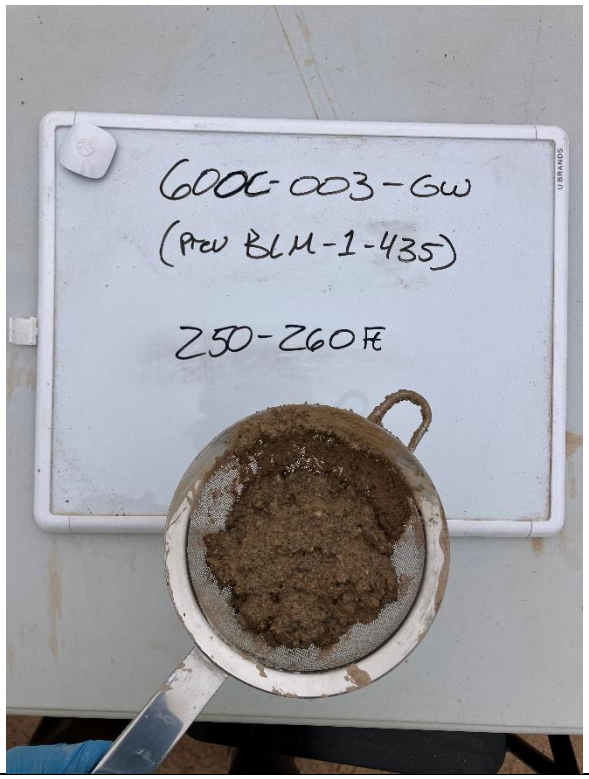
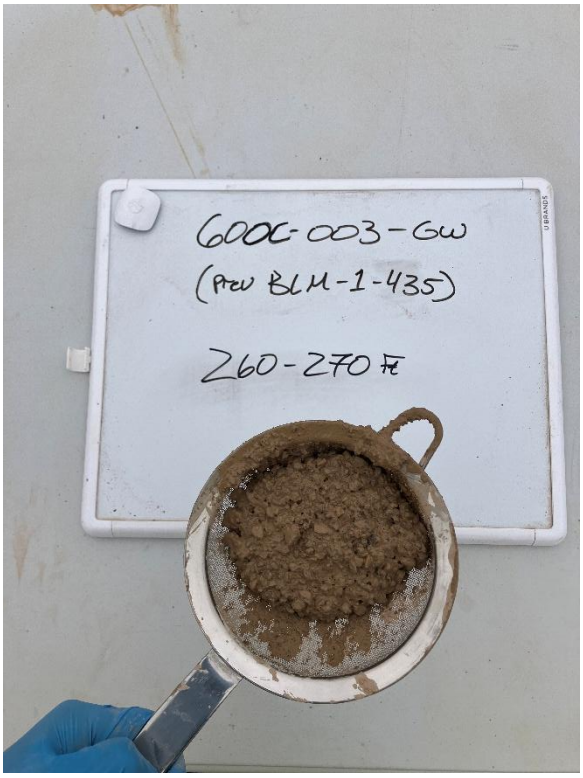
White Sands Test Facility, New Mexico

PHOTO 27 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 250-260 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
PHOTO 28 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 260-270 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	

Photographic Log

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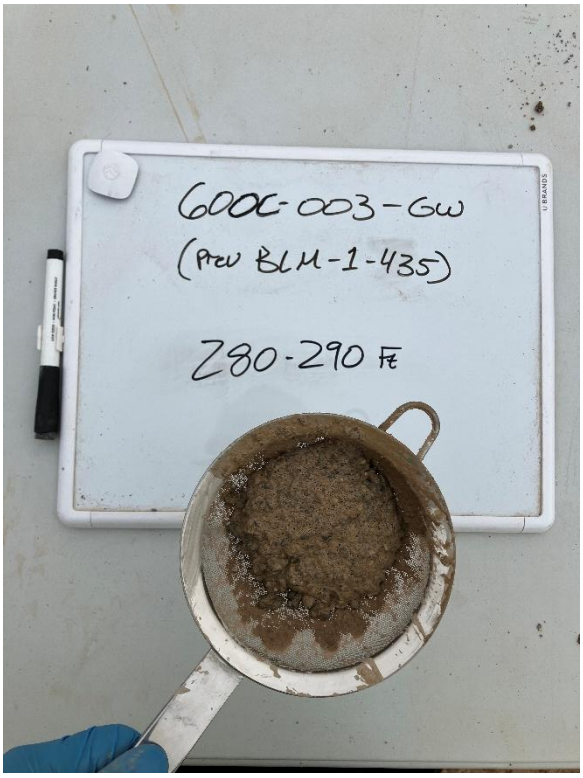
White Sands Test Facility, New Mexico

PHOTO 29 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 270-280 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
PHOTO 30 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 280-290 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	

Photographic Log

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White Sands Test Facility, New Mexico

PHOTO 31 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 290-300 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
PHOTO 32 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 300-310 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	

Photographic Log

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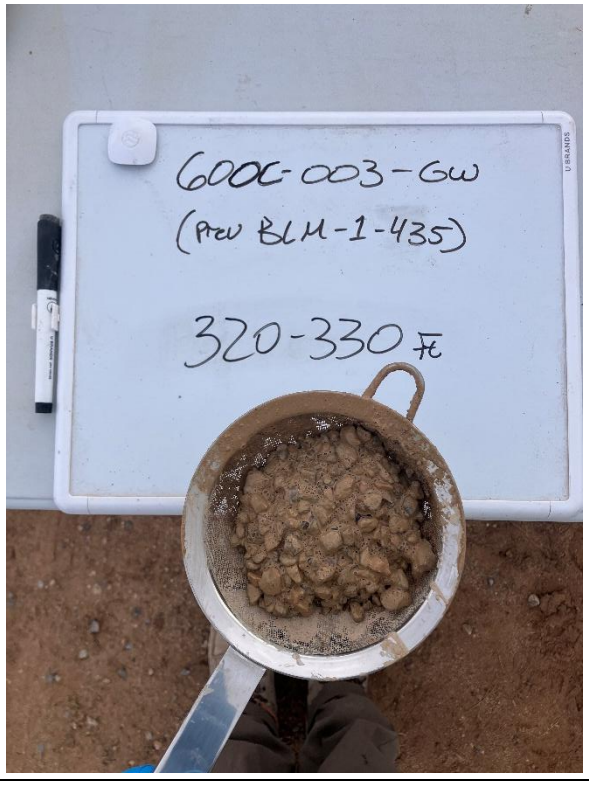
White Sands Test Facility, New Mexico

PHOTO 33 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 310-320 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
PHOTO 34 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 320-330 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	

Photographic Log

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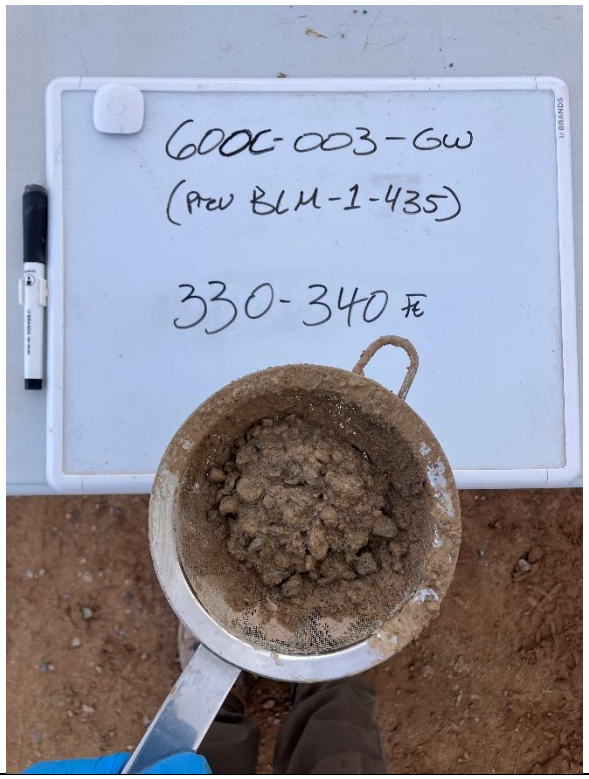
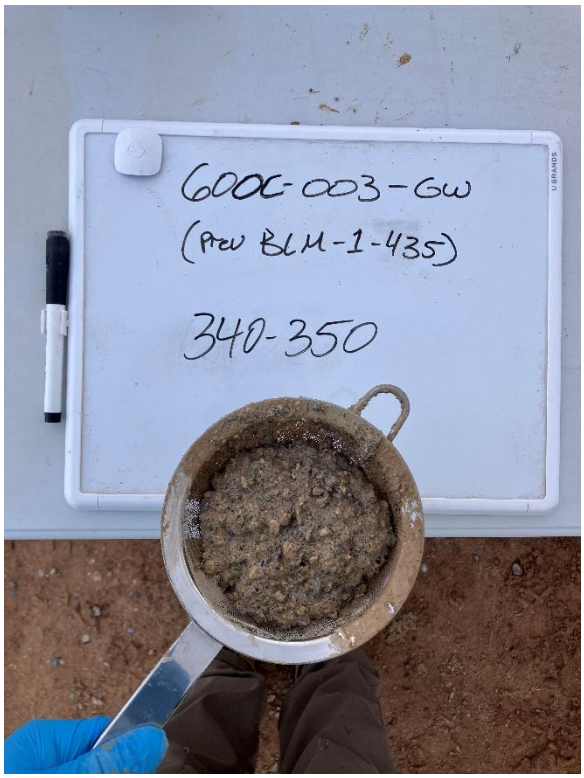
White Sands Test Facility, New Mexico

PHOTO 35 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 330-340 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to coarse subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
PHOTO 36 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 340-350 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	

Photographic Log

Appendix C

White Sands Test Facility, New Mexico

PHOTO 37 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 350-360 feet bgs: SILTY GRAVEL WITH SOME SAND; light brown (7.5YR 6/4); 75% fine to medium subangular gravel; 15% silt; 10% fine to coarse sand; poorly graded; loose; dry	
PHOTO 38 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 360-370 feet bgs: GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; dry	

Photographic Log

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White Sands Test Facility, New Mexico

PHOTO 39 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 370-380 feet bgs: GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; dry	
PHOTO 40 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 380-390 feet bgs: SILTY SAND WITH SOME GRAVEL; light brown (7.5YR 6/4); 75% fine to coarse sand; 20% silt; 5% fine subangular gravel; poorly graded; loose; dry	

Photographic Log

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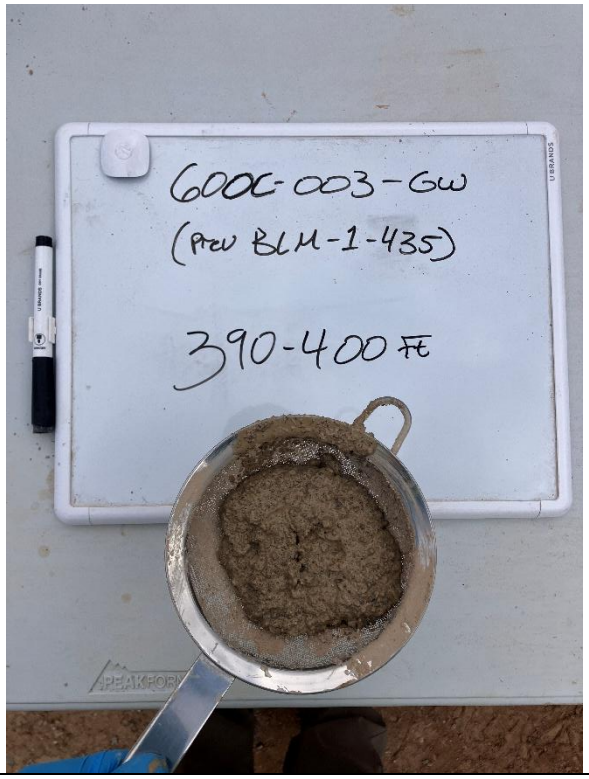
White Sands Test Facility, New Mexico

PHOTO 41 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 390-400 feet bgs: SANDY GRAVEL WITH SOME SILT; light brown (7.5YR 6/4); 60% fine to medium subangular gravel; 30% fine to coarse sand; 10% silt; poorly graded; loose; dry	
PHOTO 42 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 400-410 feet bgs: SANDY GRAVEL WITH SOME SILT; light brown (7.5YR 6/4); 60% fine to medium subangular gravel; 30% fine to coarse sand; 10% silt; poorly graded; loose; dry	

Photographic Log

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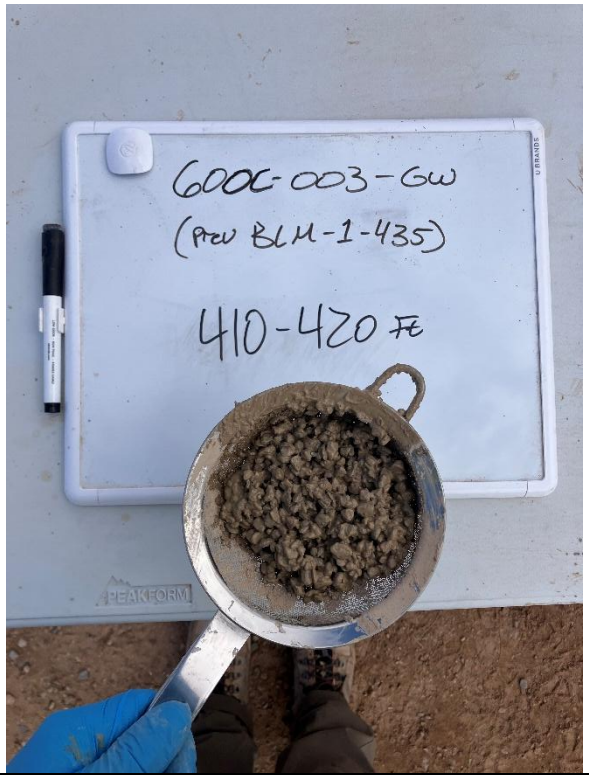
White Sands Test Facility, New Mexico

PHOTO 43 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 410-420 feet bgs: GRAVEL WITH SOME SILT; light brown (7.5YR 6/4); 95% fine to coarse subangular gravel; 5% silt; well graded; loose; wet	
PHOTO 44 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 420-430 feet bgs: GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; wet	

Photographic Log

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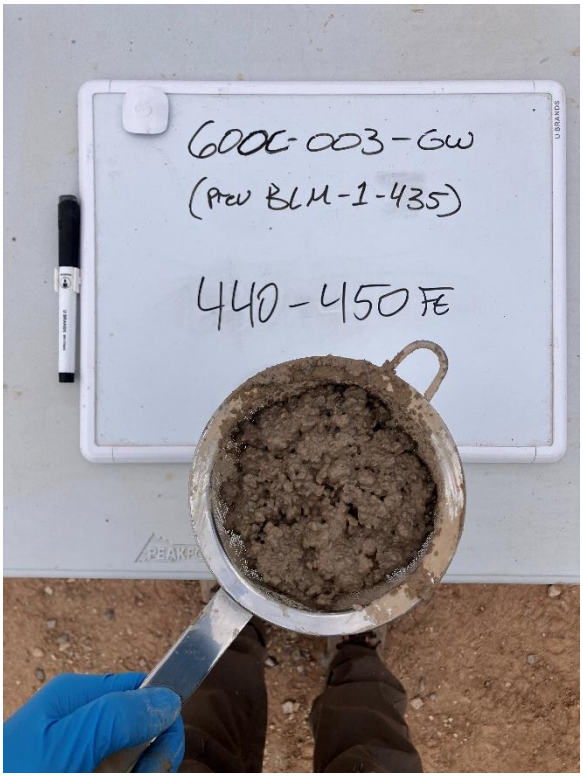
White Sands Test Facility, New Mexico

PHOTO 45 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 430-440 feet bgs: GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; wet	
PHOTO 46 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 440-450 feet bgs: SILTY GRAVEL; light brown (7.5YR 6/4); 85% fine to medium subangular gravel; 15% silt; well graded; loose; wet	

Photographic Log

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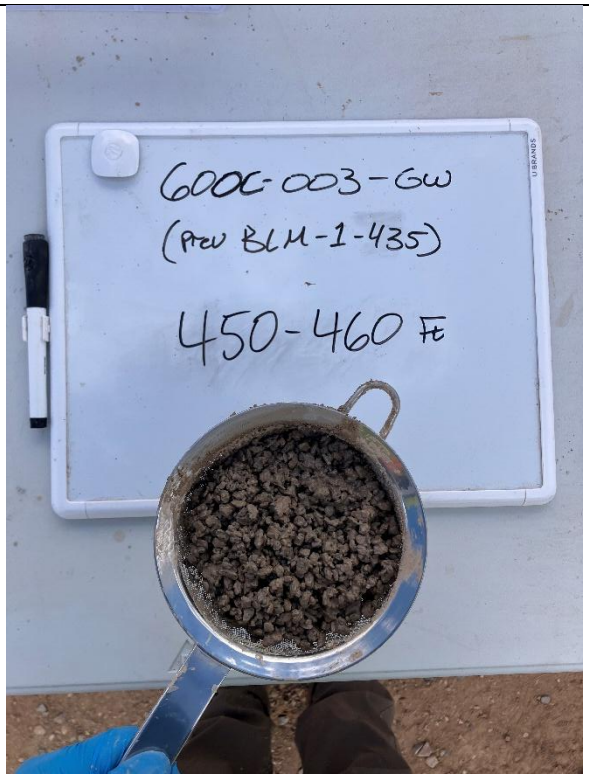
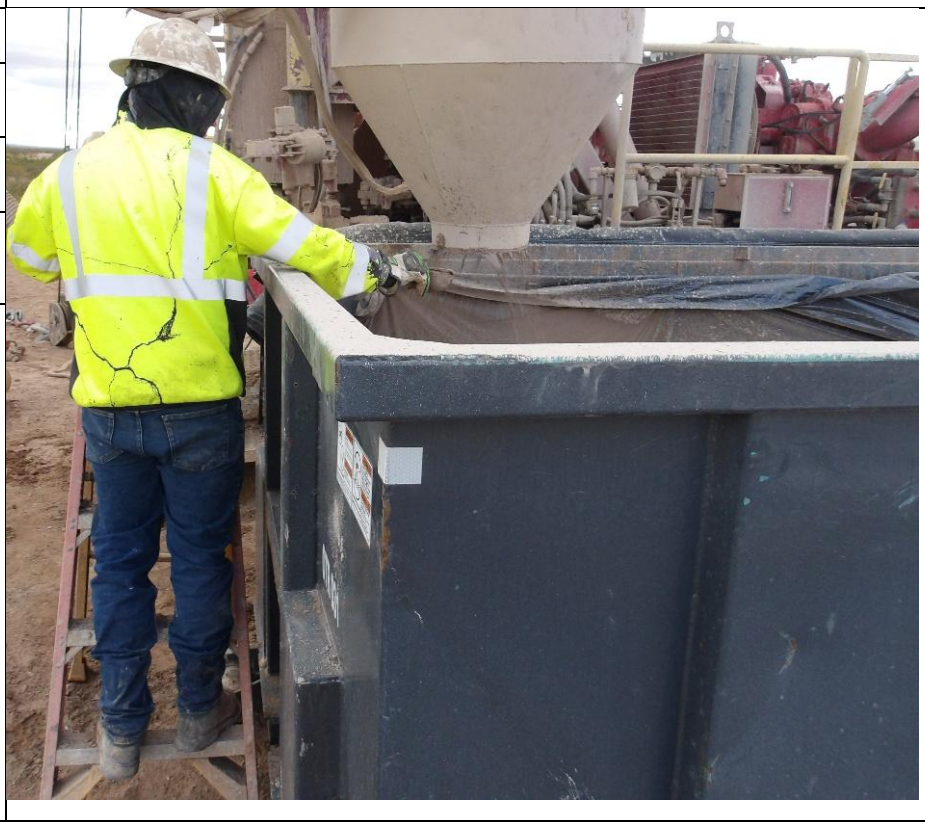
White Sands Test Facility, New Mexico

PHOTO 47 **DATE:** 12/20/25-01/08/26 **DIRECTION:** NA **TAKEN BY:** B.S. **DESCRIPTION:** 600C-003-GW; 450-460 feet bgs: GRAVEL; light brown (7.5YR 6/4); 100% fine to coarse subangular gravel; well graded; loose; wet	
PHOTO 48 **DATE:** 01/08/26 **DIRECTION:** South **TAKEN BY:** G.A. **DESCRIPTION:** Chip sample collection while drilling below the water table at 600C-003-GW.	

Photographic Log

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White Sands Test Facility, New Mexico

PHOTO 49 **DATE:** 01/08/26 **DIRECTION:** Southwest **TAKEN BY:** G.A. **DESCRIPTION:** Chip sample collection while drilling below the water table at 600C-003-GW.	
PHOTO 50 **DATE:** 01/09/26 **DIRECTION:** West **TAKEN BY:** G.A. **DESCRIPTION:** Groundwater grab sample collection at 600C-003-GW.	

Photographic Log

Appendix C

White Sands Test Facility, New Mexico

PHOTO 51 **DATE:** 01/09/26 **DIRECTION:** Northwest **TAKEN BY:** G.A. **DESCRIPTION:** Installation of schedule 80 PVC casing in the 600C-003-GW borehole during monitoring well construction.	
PHOTO 52 **DATE:** 01/09/26 **DIRECTION:** Northwest **TAKEN BY:** G.A. **DESCRIPTION:** Installation of monitoring well 600C-003-GW.	

Photographic Log

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White Sands Test Facility, New Mexico

PHOTO 53 **DATE:** 01/09/26 **DIRECTION:** Northeast **TAKEN BY:** G.A. **DESCRIPTION:** Static water level measurement at nearby well BLM-1-435.	
PHOTO 54 **DATE:** 01/12/26 **DIRECTION:** Northwest **TAKEN BY:** G.A. **DESCRIPTION:** Surface completion pad construction for monitoring well 600C-003-GW.	

Photographic Log

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White Sands Test Facility, New Mexico

PHOTO 55 **DATE:** 01/15/26 **DIRECTION:** East **TAKEN BY:** G.A. **DESCRIPTION:** Water level measurement during well development at 600C-003-GW.	
PHOTO 56 **DATE:** 01/15/26 **DIRECTION:** East **TAKEN BY:** G.A. **DESCRIPTION:** Bailing and reading groundwater quality parameters during well development at 600C-003-GW.	

Photographic Log

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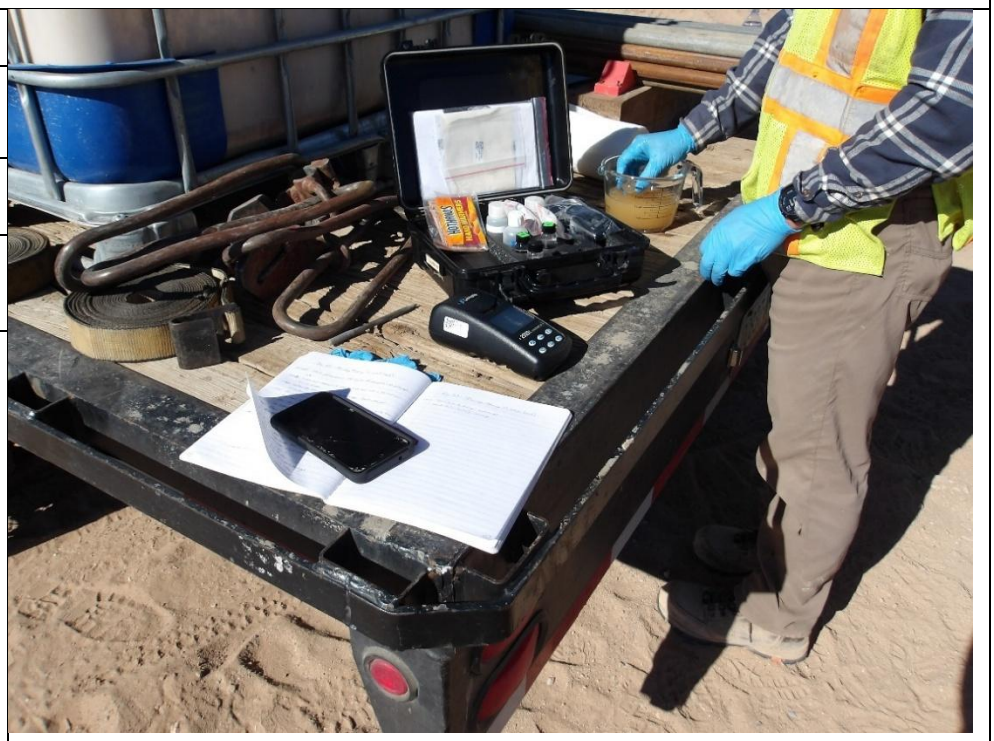
White Sands Test Facility, New Mexico

PHOTO 57 **DATE:** 01/15/26 **DIRECTION:** Northwest **TAKEN BY:** G.A. **DESCRIPTION:** Groundwater turbidity measurement during development of 600C-003-GW.	
PHOTO 58 **DATE:** 01/16/26 **DIRECTION:** Northwest **TAKEN BY:** G.A. **DESCRIPTION:** Groundwater recharge rate measurement at 600C-003-GW. Soil investigation-derived waste (IDW) roll-off bin, IDW intermediate bulk container (IBC) totes, and IDW water collection trailer tank shown in background.	

Photographic Log

Appendix C

White Sands Test Facility, New Mexico

PHOTO 59 **DATE:** 01/16/26 **DIRECTION:** Southwest **TAKEN BY:** G.A. **DESCRIPTION:** Cement grouting well BLM-1-435 during well abandonment.	
PHOTO 60 **DATE:** 01/16/26 **DIRECTION:** Southeast **TAKEN BY:** G.A. **DESCRIPTION:** Cutting off the metal casing of well BLM-1-435 during well abandonment.	

Photographic Log

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White Sands Test Facility, New Mexico

PHOTO 61 **DATE:** 01/17/26 **DIRECTION:** Northeast **TAKEN BY:** G.A. **DESCRIPTION:** Surging monitoring well 600C-003-GW during well development.	
PHOTO 62 **DATE:** 01/17/26 **DIRECTION:** Northeast **TAKEN BY:** G.A. **DESCRIPTION:** Water level measurement during development of monitoring well 600C-003-GW.	

Photographic Log

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White Sands Test Facility, New Mexico

PHOTO 63 **DATE:** 01/17/26 **DIRECTION:** Northeast **TAKEN BY:** G.A. **DESCRIPTION:** Bailing and collecting groundwater to check water quality parameters at monitoring well 600C-003-GW during well development.	
PHOTO 64 **DATE:** 01/17/26 **DIRECTION:** Northwest **TAKEN BY:** G.A. **DESCRIPTION:** Measuring groundwater quality parameters at monitoring well 600C-003-GW during well development.	

Photographic Log

Appendix C

White Sands Test Facility, New Mexico

PHOTO 65 **DATE:** 01/18/26 **DIRECTION:** Northwest **TAKEN BY:** G.A. **DESCRIPTION:** Above water table IDW pit (background) and below water table IDW pit (foreground) after completion of drilling activities at 600C-003-GW.	
PHOTO 66 **DATE:** 04/02/26 **DIRECTION:** North **TAKEN BY:** G.A. **DESCRIPTION:** Completed abandonment of well BLM-1-435.	

Photographic Log

Appendix C

White Sands Test Facility, New Mexico

PHOTO 67 **DATE:** 02/10/26 **DIRECTION:** Southwest **TAKEN BY:** G.A. **DESCRIPTION:** Dedicated pump and tubing installation for low-flow groundwater sampling at 600C-003-GW.	
PHOTO 68 **DATE:** 02/16/26 **DIRECTION:** Southwest **TAKEN BY:** G.A. **DESCRIPTION:** Purging before well 600C-003-GW low-flow groundwater sample collection.	

Photographic Log

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White Sands Test Facility, New Mexico

PHOTO 69 **DATE:** 02/16/26 **DIRECTION:** North **TAKEN BY:** G.A. **DESCRIPTION:** Low-flow groundwater sample collection at 600C-003-GW.	
PHOTO 70 **DATE:** 02/25/26 **DIRECTION:** West **TAKEN BY:** G.A. **DESCRIPTION:** Surface completion for monitoring well 600C-003-GW.	

Photographic Log

Appendix C

White Sands Test Facility, New Mexico

PHOTO 71 **DATE:** 02/25/26 **DIRECTION:** Southwest **TAKEN BY:** G.A. **DESCRIPTION:** Pickup of water IDW IBC totes from 600C-003-GW for disposal.	
PHOTO 72 **DATE:** 02/26/26 **DIRECTION:** Northwest **TAKEN BY:** G.A. **DESCRIPTION:** Pickup of soil IDW from 600C-003-GW for disposal.	

Appendix D
Well Development Summary

TETRA TECH

MONITORING WELL DEVELOPMENT RECORD

Event: Develop 600C-003-GW
Project Site Name: 600C-003-GW
Project Number: 112G09033

WELL INFORMATION:

Well No.:	600C-003-GW	**Casing ID (in):**	Schedule 80 4.77-in inner diameter
Drilling Co.:	Cascade Drilling	**Depth to Bottom (ft):**	458.40 ft btoc
Date Installed:	1/13/2026	**Static Water Level Before (ft btoc):**	*Poor recharge rate. 407.48 ft btoc 1/12/26; 411.43 ft btoc 1/15/26. Final after development: 457.0 ft btoc (expected to recharge).*
Date Developed:	1/17/2026	**Static Water Level After (ft btoc):**	
Dev. Method:	Surge/bail	**Screen Length (ft):**	10 ft
Pump Type:	Bailer	**Specific Capacity:**	NA
Developed By:	Cascade Drilling		*Note: see logbook for development start 1/15/26*

DEVELOPMENT DATA:

Time	Activity	Cumulative Water Volume (Gal.) (Bailed)	Water Level (ft. below TOC)	Temp. (C°)	pH (S.U.)	SPC (ms/cm)	Turbidity (NTU)	Remarks: (odor, color, etc.)
0919	Checked level		446.75					Poor recharge
0955	Added water		415.65					Added 40 gal clean water prior to measurement.
1110	Started bailing							
1115	Bail			19.9	7.94	1.021	Over range	DO: 6.46 mg/L; 0.846 C mS/cm, 136.4 mV, brown
1120	Bail			19.5	6.48	1.066	Over range	DO: 6.01 mg/L; 0.953 C mS/cm, 127.8 mV, brown
1125	Bail			20.1	7.98	1.041	Over range	DO: 5.90 mg/L; 0.942 C mS/cm, 126.4 mV, brown
1129	Bail			19.9	7.96	1.067	Over range	DO: 6.19 mg/L; 0.964 C mS/cm, 125.3 mV, brown
1132	Bail			19.7	8.05	1.010	Over range	DO: 6.50 mg/L; 0.956 C mS/cm, 122.7 mV, brown
1135	Bail			20.1	8.05	1.022	Over range	DO: 6.76 mg/L; 0.931 C mS/cm, 122.6 mV, brown
1137	Bail			20.3	7.98	1.042	Over range	DO: 7.49 mg/L; 0.977 C mS/cm, 123.1 mV, brown
1139	Bail			20.1	8.02	1.021	Over range	DO: 7.42 mg/L; 0.943 C mS/cm, 122.1 mV, brown
1141	Bail			20.6	7.89	1.072	Over range	DO: 7.51 mg/L; 0.986 C mS/cm, 122.0 mV, brown
1143	Bail			20.6	7.86	1.025	Over range	DO: 7.05 mg/L; 0.953 C mS/cm, 120.8 mV, brown
1145	Bail			21.0	7.90	1.066	Over range	DO: 7.11 mg/L; 0.988 C mS/cm, 118.9 mV, brown
1147	Bail			20.9	7.88	1.031	Over range	DO: 7.07 mg/L; 0.991 C mS/cm, 118.6 mV, brown
1149	Bail			21.2	7.84	1.067	Over range	DO: 7.25 mg/L; 1.004 C mS/cm, 117.6 mV, brown
1152	Stopped bailing	53 gal	456.40					53 gallons removed; 53 gallons total removed
1202	Added water		428.03					Added 45 gallons clean water prior to measurement

TETRA TECH

MONITORING WELL DEVELOPMENT RECORD

Event: Develop 600C-003-GW
Project Site Name: 600C-003-GW
Project Number: 112G09033

WELL INFORMATION:

Well No.:	600C-003-GW	**Casing ID (in):**	Schedule 80 4.77-in inner diameter
Drilling Co.:	Cascade Drilling	**Depth to Bottom (ft):**	458.40 ft btoc
Date Installed:	1/13/2026	**Static Water Level Before (ft btoc):**	*Poor recharge rate. 407.48 ft btoc 1/12/26; 411.43 ft btoc 1/15/26. Final after development: 457.0 ft btoc (expected to recharge).*
Date Developed:	1/17/2026	**Static Water Level After (ft btoc):**	
Dev. Method:	Surge/bail	**Screen Length (ft):**	10 ft
Pump Type:	Bailer	**Specific Capacity:**	NA
Developed By:	Cascade Drilling		*Note: see field logbook for surging prior to bailing*

DEVELOPMENT DATA:

Time	Activity	Cumulative Water Volume (Gal.) (Bailed)	Water Level (ft. below TOC)	Temp. (C°)	pH (S.U.)	SPC (ms/cm)	Turbidity (NTU)	Remarks: (odor, color, etc.)
1216	Began surging							Surged well with bailer
1226	Stopped surging							
1232	Checked level		428.40					
1235	Began bailing							
1237	Bail			16.8	8.15	1.029	49.0	DO: 7.08 mg/L; 0.870 C mS/cm, 124.0 mV, slight cloudy
1240	Bail			16.8	7.97	1.023	35.5	DO: 8.07 mg/L; 0.866 C mS/cm, 105.1 mV, slight cloudy
1243	Bail			17.0	8.02	1.028	36.0	DO: 8.19 mg/L; 0.874 C mS/cm, 105.1 mV, slight cloudy
1245	Bail			17.3	8.32	1.019	42.1	DO: 8.26 mg/L; 0.871 C mS/cm, 102.4 mV, slight cloudy
1247	Bail			17.6	8.00	1.018	65.4	DO: 8.22 mg/L; 0.882 C mS/cm, 106.6 mV, slight cloudy
1249	Bail			17.7	8.10	1.018	65.3	DO: 8.11 mg/L; 0.886 C mS/cm, 103.9 mV, slight cloudy
1252	Bail			17.8	8.13	1.036	78.0	DO: 7.87 mg/L; 0.892 C mS/cm, 106.1 mV, slight cloudy
1254	Bail			18.5	8.17	0.999	91.0	DO: 8.19 mg/L; 0.892 C mS/cm, 105.5 mV, brown
1256	Bail			19.3	8.01	1.005	Over range	DO: 7.43 mg/L; 0.989 C mS/cm, 104.9 mV, brown
1258	Bail			19.8	8.06	1.022	Over range	DO: 7.34 mg/L; 0.931 C mS/cm, 104.5 mV, brown
1301	Bail			19.9	8.02	1.020	Over range	DO: 7.10 mg/L; 0.922 C mS/cm, 106.1 mV, brown
1303	Stopped bailing	99	456.50					46 gallons removed from well; 99 gallons total removed
1345	Added water		421.06					Added 45 gallons clean water prior to measurement
1350	Began surging							Surged well with bailer

TETRA TECH

MONITORING WELL DEVELOPMENT RECORD

Event: Develop 600C-003-GW
Project Site Name: 600C-003-GW
Project Number: 112G09033

WELL INFORMATION:

Well No.:	600C-003-GW	**Casing ID (in):**	Schedule 80 4.77-in inner diameter
Drilling Co.:	Cascade Drilling	**Depth to Bottom (ft):**	458.40 ft btoc
Date Installed:	1/13/2026	**Static Water Level Before (ft btoc):**	*Poor recharge rate. 407.48 ft btoc 1/12/26; 411.43 ft btoc 1/15/26. Final after development: 457.0 ft btoc (expected to recharge).*
Date Developed:	1/17/2026	**Static Water Level After (ft btoc):**	
Dev. Method:	Surge/bail	**Screen Length (ft):**	10 ft
Pump Type:	Bailer	**Specific Capacity:**	NA
Developed By:	Cascade Drilling		*Note: see logbook for development start 1/15/26*

DEVELOPMENT DATA:

Time	Activity	Cumulative Water Volume (Gal.) (Bailed)	Water Level (ft. below TOC)	Temp. (C°)	pH (S.U.)	SPC (ms/cm)	Turbidity (NTU)	Remarks: (odor, color, etc.)
1400	Ended surging		421.30					Checked water level after surging.
1403	Began bailing							
1406	Bail			15.5	8.13	1.016	12.6	DO: 8.93 mg/L; 0.837 C mS/cm, 929.0 mV, clear
1410	Bail			15.9	8.13	1.011	11.58	DO: 8.44 mg/L; 0.870 C mS/L, 93.4 mV, clear
1414	Bail			16.6	8.19	1.021	14.8	DO: 8.52 mg/L; 0.860 C mS/cm, 93.6 mV, clear
1417	Bail			17.0	8.16	1.007	32.8	DO: 8.22 mg/L; 0.851 C mS/cm, 98.0 mV, slight cloudy
1419	Bail			17.3	8.02	1.007	47.4	DO: 7.72 mg/L; 1.011 C mS/cm, 100.3 mV, cloudy
1422	Bail			17.9	8.19	0.994	54.1	DO: 8.62 mg/L; 0.888 C mS/cm, 100.0 mV, cloudy
1424	Bail			18.7	8.01	1.020	77.7	DO: 7.85 mg/L; 0.900 C mS/cm, 101.0 mV, cloudy
1428	Bail			18.7	8.00	0.998	Over range	DO: 7.61 mg/L; 0.889 C mS/cm, 98.5 mV, cloudy
1430	Bail			18.8	7.99	0.987	Over range	DO: 7.35 mg/L; 0.871 C mS/cm, 100.8 mV, cloudy
1432	Bail			19.4	8.01	1.030	Over range	DO: 7.04 mg/L; 0.918 C mS/cm, 101.9 mV, cloudy
1434	Bail			19.2	8.07	0.978	Over range	DO: 6.93 mg/L; 0.880 C mS/cm, 102.6 mV, cloudy
1436	Stopped bailing	146	456.20					47 gallons removed from well; 146 gallons total removed
1500	Added water		422.55					Added 45 gallons clean water prior to measurement
1510	Began surging							Surged well with bailer
1520	Ended surging		422.75					Checked water level after surging
1534	Started bailing							

TETRA TECH

MONITORING WELL DEVELOPMENT RECORD

Event: Develop 600C-003-GW
Project Site Name: 600C-003-GW
Project Number: 112G09033

WELL INFORMATION:

Well No.:	600C-003-GW	**Casing ID (in):**	Schedule 80 4.77-in inner diameter
Drilling Co.:	Cascade Drilling	**Depth to Bottom (ft):**	458.40 ft btoc
Date Installed:	1/13/2026	**Static Water Level Before (ft btoc):**	*Poor recharge rate. 407.48 ft btoc 1/12/26; 411.43 ft btoc 1/15/26. Final after development: 457.0 ft btoc (expected to recharge).*
Date Developed:	1/17/2026	**Static Water Level After (ft btoc):**	
Dev. Method:	Surge/bail	**Screen Length (ft):**	10 ft
Pump Type:	Bailer	**Specific Capacity:**	NA
Developed By:	Cascade Drilling		*Note: see logbook for development start 1/15/26*

DEVELOPMENT DATA:

Time	Activity	Cumulative Water Volume (Gal.) (Bailed)	Water Level (ft. below TOC)	Temp. (C°)	pH (S.U.)	SPC (ms/cm)	Turbidity (NTU)	Remarks: (odor, color, etc.)
1536	Bail			16.1	8.16	1.015	11.6	DO: 7.50 mg/L; 0.845 C mS/cm, 114.6 mV, clear
1538	Bail			16.9	8.02	1.002	11.6	DO: 7.95 mg/L; 0.848 C mS/cm, 117.4 mV, clear
1540	Bail			17.6	8.15	1.007	15.4	DO: 7.61 mg/L; 0.864 C mS/cm, 116.1 mV, clear
1543	Bail			17.6	8.18	1.026	22.0	DO: 7.67 mg/L; 0.880 C mS/cm, 116.0 mV, clear
1545	Bail			17.9	8.15	1.018	37.4	DO: 8.11 mg/L; 0.884 C mS/cm, 116.0 mV, clear
1549	Bail			18.3	8.15	1.014	27.5	DO: 7.91 mg/L; 0.884 C mS/cm, 115.4 mV, slight cloudy
1551	Bail			17.9	8.12	1.018	26.0	DO: 8.12 mg/L; 0.879 C mS/cm, 115.8 mV, slight cloudy
1552	Bail			18.3	8.17	1.026	45.4	DO: 7.90 mg/L; 0.895 C mS/cm, 115.4 mV, slightly cloudy
1556	Bail			19.4	8.15	1.041	96.9	DO: 7.86 mg/L; 0.926 C mS/cm, 115.6 mV, cloudy
1558	Bail			19.3	8.09	1.017	82.0	DO: 7.76 mg/L; 0.911 C mS/cm, 115.9 mV, cloudy
1600	Bail			19.4	8.10	1.009	82.2	DO: 7.48 mg/L; 0.907 C mS/cm, 115.9 mV, cloudy
1602	Stopped bailing	193	456.51					47 gallons removed from well; 193 gallons total removed

TETRA TECH

MONITORING WELL DEVELOPMENT RECORD

Event: Develop 600C-003-GW
Project Site Name: 600C-003-GW
Project Number: 112G09033

WELL INFORMATION:

Well No.:	600C-003-GW	**Casing ID (in):**	Schedule 80 4.77-in inner diameter
Drilling Co.:	Cascade Drilling	**Depth to Bottom (ft):**	458.40 ft btoc
Date Installed:	1/13/2026	**Static Water Level Before (ft btoc)**	*Poor recharge rate. 407.48 ft btoc 1/12/26; 411.43 ft btoc 1/15/26. Final after development: 457.0 ft btoc (expected to recharge).*
Date Developed:	1/18/2026	**Static Water Level After (ft btoc):**	
Dev. Method:	Surge/bail	**Screen Length (ft):**	10 ft
Pump Type:	Bailer	**Specific Capacity:**	NA
Developed By:	Cascade Drilling		*Note: see logbook for development start 1/15/26*

DEVELOPMENT DATA:

Time	Activity	Cumulative Water Volume (Gal.) (Bailed)	Water Level (ft. below TOC)	Temp. (C°)	pH (S.U.)	SPC (ms/cm)	Turbidity (NTU)	Remarks: (odor, color, etc.)
0746	Checked level		450.41					Poor recharge
0750	Added water		417.30					Added 45 gallons clean water prior to measurement.
0800	Began surging							Surged well with bailer.
0845	Stopped surging		417.90					Checked water level after surging.
850	Began bailing							
0856	Bail			15.3	8.10	1.034	11.25	DO: 8.08 mg/L; 0.847 C mS/cm, 128.3 mV
0900	Bail			16.6	8.06	1.002	6.85	DO: 7.83 mg/L; 0.849 C mS/cm, 128.7 mV
0902	Bail			17.0	8.16	1.020	8.04	DO: 7.11 mg/L; 0.863 C mS/cm, 128.1 mV
0905	Bail			17.3	8.15	1.011	21.9	DO: 7.71 mg/L; 0.862 C mS/cm, 127.6 mV
0908	Bail			17.2	8.16	1.026	42.0	DO: 7.15 mg/L; 0.875 C mS/cm, 127.3 mV
0910	Bail			17.7	8.12	1.022	51.9	DO: 7.34 mg/L; 0.879 C mS/cm, 127.1 mV
0912	Bail			18.4	8.13	1.020	42.3	DO: 7.23 mg/L; 0.892 C mS/cm, 127.8 mV
0915	Bail			18.2	8.13	1.013	41.3	DO: 7.28 mg/L; 0.881 C mS/cm, 127.5 mV
0917	Bail			18.1	8.10	1.025	41.2	DO: 7.17 mg/L; 0.888 C mS/cm, 127.1 mV
0920	Bail			19.1	8.07	1.026	71.6	DO: 6.44 mg/L; 0.910 C mS/cm, 128.2 mV
0922	Bail			19.6	8.05	0.908	76.5	DO: 6.55 mg/L; 0.896 C mS/cm, 127.2 mV
0925	Bail			19.4	8.06	1.012	67.1	DO: 6.70 mg/L; 0.895 C mS/cm, 126.5 mV
0930	Stopped bailing	243	456.27					50 gallons removed from well; 243 gallons total removed

TETRA TECH

MONITORING WELL DEVELOPMENT RECORD

Event: Develop 600C-003-GW
Project Site Name: 600C-003-GW
Project Number: 112G09033

WELL INFORMATION:

Well No.:	600C-003-GW	**Casing ID (in):**	Schedule 80 4.77-in inner diameter
Drilling Co.:	Cascade Drilling	**Depth to Bottom (ft):**	458.40 ft btoc
Date Installed:	1/13/2026	**Static Water Level Before (ft btoc):**	*Poor recharge rate. 407.48 ft btoc 1/12/26; 411.43 ft btoc 1/15/26. Final after development: 457.0 ft btoc (expected to recharge).*
Date Developed:	1/18/2026	**Static Water Level After (ft btoc):**	
Dev. Method:	Surge/bail	**Screen Length (ft):**	10 ft
Pump Type:	Bailer	**Specific Capacity:**	NA
Developed By:	Cascade Drilling		*Note: see logbook for development start 1/15/26*

DEVELOPMENT DATA:

Time	Activity	Cumulative Water Volume (Gal.) (Bailed)	Water Level (ft. below TOC)	Temp. (C°)	pH (S.U.)	SPC (ms/cm)	Turbidity (NTU)	Remarks: (odor, color, etc.)
0947	Added water		421.95					Added 45 gal clean water prior to measurement.
0953	Began surging							Surged well with bailer.
1003	Stopped surging		422.67					Checked water level after surging.
1010	Began bailing							
1015	Bail			15.0	8.25	0.991	19.6	DO: 7.30 mg/L; 0.802 C mS/cm, 116.1 mV
1018	Bail			15.3	8.16	0.984	7.7	DO: 7.20 mg/L; 0.806 C mS/cm, 115.0 mV
1020	Bail			15.7	8.20	1.012	8.23	DO: 8.17 mg/L; 0.834 C mS/cm, 114.9 mV
1023	Bail			15.9	8.24	0.985	16.1	DO: 7.24 mg/L; 0.824 C mS/cm, 114.1 mV
1025	Bail			16.3	8.24	1.024	14.1	DO: 7.23 mg/L; 0.853 C mS/cm, 115.9 mV
1028	Bail			17.2	8.15	1.023	10.25	DO: 7.23 mg/L; 0.871 C mS/cm, 115.9 mV
1031	Bail			17.7	8.12	0.996	14.0	DO: 7.00 mg/L; 0.855 C mS/cm, 116.7 mV
1034	Bail			17.5	8.11	0.997	13.5	DO: 7.06 mg/L; 0.849 C mS/cm, 116.2 mV
1036	Bail			17.8	8.12	1.005	26.4	DO: 7.07 mg/L; 0.859 C mS/cm, 116.7 mV
1039	Bail			18.4	8.11	1.011	35.5	DO: 7.03 mg/L; 0.890 C mS/cm, 117.0 mV
1041	Bail			18.8	8.10	1.006	34.6	DO: 7.00 mg/L; 0.888 C mS/cm, 117.9 mV
1043	Stopped bailing	289	456.20					46 gallons removed; 289 gallons total removed
1053	Added water		422.44					Added 45 gallons clean water prior to measurement
1112	Began surging							Surged well with bailer

TETRA TECH

MONITORING WELL DEVELOPMENT RECORD

Event: Develop 600C-003-GW
Project Site Name: 600C-003-GW
Project Number: 112G09033

WELL INFORMATION:

Well No.:	600C-003-GW	**Casing ID (in):**	Schedule 80 4.77-in inner diameter
Drilling Co.:	Cascade Drilling	**Depth to Bottom (ft):**	458.40 ft btoc
Date Installed:	1/13/2026	**Static Water Level Before (ft btoc):**	*Poor recharge rate. 407.48 ft btoc 1/12/26; 411.43 ft btoc 1/15/26. Final after development: 457.0 ft btoc (expected to recharge).*
Date Developed:	1/18/2026	**Static Water Level After (ft btoc):**	
Dev. Method:	Surge/bail	**Screen Length (ft):**	10 ft
Pump Type:	Bailer	**Specific Capacity:**	NA
Developed By:	Cascade Drilling		*Note: see logbook for development start 1/15/26*

DEVELOPMENT DATA:

Time	Activity	Cumulative Water Volume (Gal.) (Bailed)	Water Level (ft. below TOC)	Temp. (C°)	pH (S.U.)	SPC (ms/cm)	Turbidity (NTU)	Remarks: (odor, color, etc.)
1122	Stopped surging		422.62					Checked water level after surging.
1125	Began bailing							
1128	Bail			15.7	8.25	1.024	8.03	DO: 7.33 mg/L; 0.845 C mS/cm, 108.3 mV
1131	Bail			15.8	8.27	1.001	2.47	DO: 7.30 mg/L; 0.832 C mS/cm, 108.2 mV
1134	Bail			16.0	8.21	1.020	4.11	DO: 7.30 mg/L; 0.846 C mS/cm, 107.3 mV
1137	Bail			16.2	8.20	1.003	9.78	DO: 7.30 mg/L; 0.837 C mS/cm, 109.1 mV
1140	Bail			16.4	8.18	1.023	11.25	DO: 7.38 mg/L; 0.856 C mS/cm, 108.5 mV
1142	Bail			17.2	8.17	1.022	7.33	DO: 7.20 mg/L; 0.869 C mS/cm, 107.6 mV
1145	Bail			18.1	8.17	1.023	9.7	DO: 7.20 mg/L; 0.888 C mS/cm, 107.2 mV
1148	Bail			18.3	8.18	1.013	36.0	DO: 6.77 mg/L; 0.890 C mS/cm, 108.0 mV
1151	Bail			18.7	8.14	1.018	35.7	DO: 7.30 mg/L; 0.896 C mS/cm, 107.7 mV
1153	Bail			18.4	8.12	1.010	26.8	DO: 7.12 mg/L; 0.878 C mS/cm, 106.7 mV
1156	Bail			18.6	8.2	1.012	25.1	DO: 7.12 mg/L; 0.892 C mS/cm, 107.0 mV
1158	Bail			18.8	8.15	1.014	22.5	DO: 7.09 mg/L; 0.891 C mS/cm, 106.1 mV
1159	Stopped bailing	336	457.00					47 gallons removed; 336 gallons total removed
	Parameters stable +/- 10% and turbidity is below 50 NTU for one entire round of bailing. Well is considered developed.							

Acronyms

btoc	below top of casing
C°	Celsius
C	conductivity
Co.	Company
DO	dissolved oxygen
ft	feet
gal	gallon(s)
in	inch(s)
mg/L	milligrams per liter
ml	milliliter(s)
mS/cm	milliSiemens per centimeter
mV	millivolt(s)
no.	number
NTU	Nephelometric Turbidity Unit(s)
SPC	specific conductance
S.U.	Standard Unit(s)
TOC	top of casing

Appendix E
Analytical Results Summary and Laboratory Analytical Report for 600C-003-GW

Analytical Detection Summary for 600C-003-GW - February 16, 2026

Analyte	CAS#	Units	410-265881-1 2602161038 2/16/2026 10:38 AM		410-265881-2 2602161038D 2/16/2026 10:38 AM		410-265881-3 2602161100F 2/16/2026 11:00 AM		410-265881-4 2602161135E 2/16/2026 11:35 AM	
Sample Alias			600C-003-GW		Field Duplicate		Field Blank		Equipment Blank	
			Result	Qual	Result	Qual	Result	Qual	Result	Qual
Barium	7440-39-3	µg/L	**38**		**37**		--		--	
Lead	7439-92-1	µg/L	**0.85**		**0.78**		--		--	
Selenium	7782-49-2	µg/L	**1.9**		**2.3**		--		--	
Trichloroethene	79-01-6	µg/L	**2.3**		**2.3**		--		--	

Notes:

This table presents detections only. Cells with "--" indicates analyte was not detected.

Definitions:

µg/L - Micrograms/Liter

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Damphousse
Tetra Tech Inc
661 ANdersen Drive
Foster Plaza 7
Suite 200
Pittsburgh, Pennsylvania 15220

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JOB DESCRIPTION

WSTF 600C-003-GW

JOB NUMBER

410-265881-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Stephen Gordon, Senior Project Manager
Stephen.Gordon@et.eurofinsus.com
(412)525-0071

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· 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.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Client: Tetra Tech Inc
Job ID: 410-265881-1
Project/Site: WSTF 600C-003-GW

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
M	Manual integrated compound.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M	Manual integrated compound.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Job ID: 410-265881-1 — Eurofins Lancaster Laboratories Environment

Job Narrative
410-265881-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 2/17/2026 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.9°C and 5.1°C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): 2602161038 (410-265881-1) and 2602161038D (410-265881-2). The container labels list 2602161036 and 10:36, while the COC lists 2602161038 and 10:38. Entered per COC. The client confirmed the COC is correct in email on 2/17.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The following analyte(s) recovered outside control limits for the LCS/LCSD associated with preparation batch 410-771282 and analytical batch 410-772579: Hexachlorobutadiene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270E: The continuing calibration verification (CCV) associated with batch 410-772579 recovered above the upper control limit for Atrazine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:2602161038 (410-265881-1), 2602161038D (410-265881-2), 2602161100F (410-265881-3) and 2602161135E (410-265881-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Client Sample ID: 2602161038 — Lab Sample ID: 410-265881-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2.3		1.0	0.60		ug/L	1		8260D	Total/NA
Barium	38		2.0	1.6		ug/L	1		6020B	Total Recoverable
Lead	0.85		0.50	0.24		ug/L	1		6020B	Total Recoverable
Selenium	1.9		1.0	0.60		ug/L	1		6020B	Total Recoverable

Client Sample ID: 2602161038D — Lab Sample ID: 410-265881-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2.3		1.0	0.60		ug/L	1		8260D	Total/NA
Barium	37		2.0	1.6		ug/L	1		6020B	Total Recoverable
Lead	0.78		0.50	0.24		ug/L	1		6020B	Total Recoverable
Selenium	2.3		1.0	0.60		ug/L	1		6020B	Total Recoverable

Client Sample ID: 2602161100F — Lab Sample ID: 410-265881-3

No Detections.

Client Sample ID: 2602161135E — Lab Sample ID: 410-265881-4

No Detections.

Client Sample ID: 260216-TB01 — Lab Sample ID: 410-265881-5

No Detections.

Client Sample ID: 260216-TB02 — Lab Sample ID: 410-265881-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Client Sample ID: 2602161038
Date Collected: 02/16/26 10:38
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 11:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 11:57	1
Ethylbenzene	1.0	U	1.0	0.80		ug/L		02/20/26 11:57	1
Styrene	5.0	U	5.0	0.60		ug/L		02/20/26 11:57	1
1,4-Dichlorobenzene	5.0	U	5.0	0.60		ug/L		02/20/26 11:57	1
1,2-Dibromoethane	1.0	U	1.0	0.50		ug/L		02/20/26 11:57	1
1,2-Dichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
1,2,3-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 11:57	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0		ug/L		02/20/26 11:57	1
1,2,3-Trichloropropane	5.0	U	5.0	0.60		ug/L		02/20/26 11:57	1
Methylcyclohexane	5.0	U	5.0	1.0		ug/L		02/20/26 11:57	1
Toluene	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
1,2,4-Trimethylbenzene	5.0	U	5.0	2.0		ug/L		02/20/26 11:57	1
Chlorobenzene	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
Cyclohexane	5.0	U	5.0	2.0		ug/L		02/20/26 11:57	1
1,2,4-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 11:57	1
Dibromochloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 11:57	1
Xylenes, Total	1.0	U	1.0	0.80		ug/L		02/20/26 11:57	1
Tetrachloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
trans-1,2-Dichloroethene	2.0	U	2.0	1.4		ug/L		02/20/26 11:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.50		ug/L		02/20/26 11:57	1
1,3-Dichlorobenzene	5.0	U	5.0	1.4		ug/L		02/20/26 11:57	1
Carbon tetrachloride	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
1,4-Dioxane	250	U	250	100		ug/L		02/20/26 11:57	1
2-Hexanone	10	U	10	1.7		ug/L		02/20/26 11:57	1
Acetone	20	U	20	2.0		ug/L		02/20/26 11:57	1
Chloroform	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
Benzene	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
1,1,1-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
Bromomethane	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
Chloromethane	2.0	U	2.0	1.1		ug/L		02/20/26 11:57	1
Chloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
Vinyl chloride	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
Methylene Chloride	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
Carbon disulfide	5.0	U	5.0	0.60		ug/L		02/20/26 11:57	1
Bromoform	4.0	U	4.0	2.0		ug/L		02/20/26 11:57	1
Bromodichloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 11:57	1
1,1-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
Trichlorofluoromethane	1.0	U M	1.0	0.60		ug/L		02/20/26 11:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.60		ug/L		02/20/26 11:57	1
1,2-Dichloropropane	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
2-Butanone (MEK)	10	U	10	1.0		ug/L		02/20/26 11:57	1
Bromochloromethane	5.0	U	5.0	0.50		ug/L		02/20/26 11:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1
Trichloroethene	**2.3**		1.0	0.60		ug/L		02/20/26 11:57	1
Methyl acetate	5.0	U	5.0	0.60		ug/L		02/20/26 11:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 11:57	1

Client Sample ID: 2602161038
Date Collected: 02/16/26 10:38
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dichlorobenzene	5.0	U	5.0	0.50		ug/L		02/20/26 11:57	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.0		ug/L		02/20/26 11:57	1
Isopropylbenzene	5.0	U	5.0	0.60		ug/L		02/20/26 11:57	1
m-Xylene & p-Xylene	5.0	U	5.0	4.0		ug/L		02/20/26 11:57	1
o-Xylene	1.0	U	1.0	0.80		ug/L		02/20/26 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*81 - 118*		*02/20/26 11:57*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 119*		*02/20/26 11:57*	*1*
4-Bromofluorobenzene (Surr)	*103*		*85 - 114*		*02/20/26 11:57*	*1*
Toluene-d8 (Surr)	*101*		*89 - 112*		*02/20/26 11:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
2,2'-oxybis[1-chloropropane]	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
2,4,5-Trichlorophenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 07:44	1
2,4,6-Trichlorophenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 07:44	1
2,4-Dichlorophenol	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
2,4-Dimethylphenol	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
2,4-Dinitrophenol	5.6	U	5.6	5.6		ug/L		02/23/26 07:44	1
2,4-Dinitrotoluene	1.1	U *+	1.1	1.1		ug/L		02/23/26 07:44	1
2,6-Dinitrotoluene	0.47	U *+	0.47	0.47		ug/L		02/23/26 07:44	1
2-Chloronaphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
2-Chlorophenol	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
2-Methylnaphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
2-Methylphenol	0.28	U	0.28	0.28		ug/L		02/23/26 07:44	1
2-Nitroaniline	1.1	U *+	1.1	1.1		ug/L		02/23/26 07:44	1
2-Nitrophenol	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
3,3'-Dichlorobenzidine	0.11	U *+	0.11	0.11		ug/L		02/23/26 07:44	1
3-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
4,6-Dinitro-2-methylphenol	0.69	U	0.69	0.69		ug/L		02/23/26 07:44	1
4-Bromophenyl phenyl ether	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
4-Chloro-3-methylphenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 07:44	1
4-Chloroaniline	0.11	U *+	0.11	0.11		ug/L		02/23/26 07:44	1
4-Chlorophenyl phenyl ether	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
4-Methylphenol	0.28	U	0.28	0.28		ug/L		02/23/26 07:44	1
4-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
4-Nitrophenol	5.6	U	5.6	5.6		ug/L		02/23/26 07:44	1
Acenaphthene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Acenaphthylene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Acetophenone	1.1	U *+	1.1	1.1		ug/L		02/23/26 07:44	1
Anthracene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Atrazine	1.1	U ^c *+ cn	1.1	1.1		ug/L		02/23/26 07:44	1
Benzaldehyde	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
Benzo[a]anthracene	0.049	U *+	0.049	0.049		ug/L		02/23/26 07:44	1
Benzo[a]pyrene	0.049	U *+	0.049	0.049		ug/L		02/23/26 07:44	1
Benzo[b]fluoranthene	0.049	U	0.049	0.049		ug/L		02/23/26 07:44	1
Benzo[g,h,i]perylene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Benzo[k]fluoranthene	0.049	U *+	0.049	0.049		ug/L		02/23/26 07:44	1

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Client Sample ID: 2602161038
Date Collected: 02/16/26 10:38
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.11	U *+	0.11	0.11		ug/L		02/23/26 07:44	1
Bis(2-chloroethyl)ether	0.11	U *+	0.11	0.11		ug/L		02/23/26 07:44	1
Bis(2-ethylhexyl) phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
Butyl benzyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
Caprolactam	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
Carbazole	0.29	U *+	0.29	0.11		ug/L		02/23/26 07:44	1
Chrysene	0.11	U *+	0.11	0.11		ug/L		02/23/26 07:44	1
Di-n-butyl phthalate	3.5	U	3.5	3.5		ug/L		02/23/26 07:44	1
Di-n-octyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
Dibenz(a,h)anthracene	0.049	U *+	0.049	0.049		ug/L		02/23/26 07:44	1
Dibenzofuran	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Diethyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
Dimethyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
Fluoranthene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Fluorene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Hexachlorobenzene	0.032	U	0.032	0.032		ug/L		02/23/26 07:44	1
Hexachlorobutadiene	0.11	U *- cn	0.11	0.11		ug/L		02/23/26 07:44	1
Hexachlorocyclopentadiene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Hexachloroethane	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Isophorone	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
N-Nitrosodi-n-propylamine	0.098	U *+	0.098	0.098		ug/L		02/23/26 07:44	1
N-Nitrosodiphenylamine	0.11	U *+	0.11	0.11		ug/L		02/23/26 07:44	1
Naphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Nitrobenzene	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
Pentachlorophenol	1.1	U *+	1.1	1.1		ug/L		02/23/26 07:44	1
Phenanthrene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
Phenol	1.1	U	1.1	1.1		ug/L		02/23/26 07:44	1
Pyrene	0.11	U	0.11	0.11		ug/L		02/23/26 07:44	1
N-Nitrosodimethylamine	0.56	U	0.56	0.56		ug/L		02/23/26 07:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*167*	*S1+*	*44 - 119*	*02/19/26 08:30*	*02/23/26 07:44*	*1*
2-Fluorophenol (Surr)	*73*		*19 - 119*	*02/19/26 08:30*	*02/23/26 07:44*	*1*
Nitrobenzene-d5 (Surr)	*145*	*S1+*	*44 - 120*	*02/19/26 08:30*	*02/23/26 07:44*	*1*
p-Terphenyl-d14 (Surr)	*123*		*50 - 134*	*02/19/26 08:30*	*02/23/26 07:44*	*1*
2,4,6-Tribromophenol (Surr)	*132*		*43 - 140*	*02/19/26 08:30*	*02/23/26 07:44*	*1*
Phenol-d5 (Surr)	*37*		*18 - 61*	*02/19/26 08:30*	*02/23/26 07:44*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.7		ug/L		02/18/26 20:59	1
Barium	**38**		2.0	1.6		ug/L		02/18/26 20:59	1
Cadmium	0.50	U	0.50	0.40		ug/L		02/18/26 20:59	1
Chromium	2.0	U	2.0	1.1		ug/L		02/18/26 20:59	1
Lead	**0.85**		0.50	0.24		ug/L		02/18/26 20:59	1
Selenium	**1.9**		1.0	0.60		ug/L		02/19/26 13:50	1
Silver	0.50	U	0.50	0.30		ug/L		02/18/26 20:59	1

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Client Sample ID: 2602161038

Lab Sample ID: 410-265881-1

Date Collected: 02/16/26 10:38

Matrix: Water

Date Received: 02/17/26 10:10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.16		ug/L		02/18/26 21:26	1

Client Sample ID: 2602161038D

Lab Sample ID: 410-265881-2

Date Collected: 02/16/26 10:38

Matrix: Water

Date Received: 02/17/26 10:10

Method: SW846 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 12:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 12:19	1
Ethylbenzene	1.0	U	1.0	0.80		ug/L		02/20/26 12:19	1
Styrene	5.0	U	5.0	0.60		ug/L		02/20/26 12:19	1
1,4-Dichlorobenzene	5.0	U	5.0	0.60		ug/L		02/20/26 12:19	1
1,2-Dibromoethane	1.0	U	1.0	0.50		ug/L		02/20/26 12:19	1
1,2-Dichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
1,2,3-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 12:19	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0		ug/L		02/20/26 12:19	1
1,2,3-Trichloropropane	5.0	U	5.0	0.60		ug/L		02/20/26 12:19	1
Methylcyclohexane	5.0	U	5.0	1.0		ug/L		02/20/26 12:19	1
Toluene	1.0	U M	1.0	0.60		ug/L		02/20/26 12:19	1
1,2,4-Trimethylbenzene	5.0	U	5.0	2.0		ug/L		02/20/26 12:19	1
Chlorobenzene	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
Cyclohexane	5.0	U	5.0	2.0		ug/L		02/20/26 12:19	1
1,2,4-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 12:19	1
Dibromochloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 12:19	1
Xylenes, Total	1.0	U	1.0	0.80		ug/L		02/20/26 12:19	1
Tetrachloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
trans-1,2-Dichloroethene	2.0	U	2.0	1.4		ug/L		02/20/26 12:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.50		ug/L		02/20/26 12:19	1
1,3-Dichlorobenzene	5.0	U	5.0	1.4		ug/L		02/20/26 12:19	1
Carbon tetrachloride	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
1,4-Dioxane	250	U	250	100		ug/L		02/20/26 12:19	1
2-Hexanone	10	U	10	1.7		ug/L		02/20/26 12:19	1
Acetone	20	U	20	2.0		ug/L		02/20/26 12:19	1
Chloroform	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
Benzene	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
1,1,1-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
Bromomethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
Chloromethane	2.0	U	2.0	1.1		ug/L		02/20/26 12:19	1
Chloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
Vinyl chloride	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
Methylene Chloride	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
Carbon disulfide	5.0	U	5.0	0.60		ug/L		02/20/26 12:19	1
Bromoform	4.0	U	4.0	2.0		ug/L		02/20/26 12:19	1
Bromodichloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 12:19	1
1,1-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
Trichlorofluoromethane	1.0	U M	1.0	0.60		ug/L		02/20/26 12:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.60		ug/L		02/20/26 12:19	1

Client Sample ID: 2602161038D
Date Collected: 02/16/26 10:38
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dichloropropane	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
2-Butanone (MEK)	10	U	10	1.0		ug/L		02/20/26 12:19	1
Bromochloromethane	5.0	U	5.0	0.50		ug/L		02/20/26 12:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
Trichloroethene	**2.3**		1.0	0.60		ug/L		02/20/26 12:19	1
Methyl acetate	5.0	U	5.0	0.60		ug/L		02/20/26 12:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:19	1
1,2-Dichlorobenzene	5.0	U	5.0	0.50		ug/L		02/20/26 12:19	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.0		ug/L		02/20/26 12:19	1
Isopropylbenzene	5.0	U	5.0	0.60		ug/L		02/20/26 12:19	1
m-Xylene & p-Xylene	5.0	U	5.0	4.0		ug/L		02/20/26 12:19	1
o-Xylene	1.0	U	1.0	0.80		ug/L		02/20/26 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*81 - 118*		*02/20/26 12:19*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 119*		*02/20/26 12:19*	*1*
4-Bromofluorobenzene (Surr)	*103*		*85 - 114*		*02/20/26 12:19*	*1*
Toluene-d8 (Surr)	*101*		*89 - 112*		*02/20/26 12:19*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
2,2'-oxybis[1-chloropropane]	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
2,4,5-Trichlorophenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:16	1
2,4,6-Trichlorophenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:16	1
2,4-Dichlorophenol	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
2,4-Dimethylphenol	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
2,4-Dinitrophenol	5.6	U	5.6	5.6		ug/L		02/23/26 08:16	1
2,4-Dinitrotoluene	1.1	U *+	1.1	1.1		ug/L		02/23/26 08:16	1
2,6-Dinitrotoluene	0.47	U *+	0.47	0.47		ug/L		02/23/26 08:16	1
2-Chloronaphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
2-Chlorophenol	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
2-Methylnaphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
2-Methylphenol	0.28	U	0.28	0.28		ug/L		02/23/26 08:16	1
2-Nitroaniline	1.1	U *+	1.1	1.1		ug/L		02/23/26 08:16	1
2-Nitrophenol	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
3,3'-Dichlorobenzidine	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:16	1
3-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
4,6-Dinitro-2-methylphenol	0.69	U	0.69	0.69		ug/L		02/23/26 08:16	1
4-Bromophenyl phenyl ether	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
4-Chloro-3-methylphenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:16	1
4-Chloroaniline	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:16	1
4-Chlorophenyl phenyl ether	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
4-Methylphenol	0.28	U	0.28	0.28		ug/L		02/23/26 08:16	1
4-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
4-Nitrophenol	5.6	U	5.6	5.6		ug/L		02/23/26 08:16	1
Acenaphthene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Acenaphthylene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Acetophenone	1.1	U *+	1.1	1.1		ug/L		02/23/26 08:16	1
Anthracene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Client Sample ID: 2602161038D
Date Collected: 02/16/26 10:38
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Atrazine	1.1	U ^c *+ cn	1.1	1.1		ug/L		02/23/26 08:16	1
Benzaldehyde	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
Benzo[a]anthracene	0.049	U *+	0.049	0.049		ug/L		02/23/26 08:16	1
Benzo[a]pyrene	0.049	U *+	0.049	0.049		ug/L		02/23/26 08:16	1
Benzo[b]fluoranthene	0.049	U	0.049	0.049		ug/L		02/23/26 08:16	1
Benzo[g,h,i]perylene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Benzo[k]fluoranthene	0.049	U *+	0.049	0.049		ug/L		02/23/26 08:16	1
Bis(2-chloroethoxy)methane	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:16	1
Bis(2-chloroethyl)ether	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:16	1
Bis(2-ethylhexyl) phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
Butyl benzyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
Caprolactam	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
Carbazole	0.29	U *+	0.29	0.11		ug/L		02/23/26 08:16	1
Chrysene	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:16	1
Di-n-butyl phthalate	3.5	U	3.5	3.5		ug/L		02/23/26 08:16	1
Di-n-octyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
Dibenz(a,h)anthracene	0.049	U *+	0.049	0.049		ug/L		02/23/26 08:16	1
Dibenzofuran	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Diethyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
Dimethyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
Fluoranthene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Fluorene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Hexachlorobenzene	0.032	U	0.032	0.032		ug/L		02/23/26 08:16	1
Hexachlorobutadiene	0.11	U *- cn	0.11	0.11		ug/L		02/23/26 08:16	1
Hexachlorocyclopentadiene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Hexachloroethane	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Isophorone	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
N-Nitrosodi-n-propylamine	0.098	U *+	0.098	0.098		ug/L		02/23/26 08:16	1
N-Nitrosodiphenylamine	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:16	1
Naphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Nitrobenzene	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
Pentachlorophenol	1.1	U *+	1.1	1.1		ug/L		02/23/26 08:16	1
Phenanthrene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
Phenol	1.1	U	1.1	1.1		ug/L		02/23/26 08:16	1
Pyrene	0.11	U	0.11	0.11		ug/L		02/23/26 08:16	1
N-Nitrosodimethylamine	0.56	U	0.56	0.56		ug/L		02/23/26 08:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*160*	*S1+*	*44 - 119*	*02/19/26 08:30*	*02/23/26 08:16*	*1*
2-Fluorophenol (Surr)	*90*		*19 - 119*	*02/19/26 08:30*	*02/23/26 08:16*	*1*
Nitrobenzene-d5 (Surr)	*135*	*S1+*	*44 - 120*	*02/19/26 08:30*	*02/23/26 08:16*	*1*
p-Terphenyl-d14 (Surr)	*107*		*50 - 134*	*02/19/26 08:30*	*02/23/26 08:16*	*1*
2,4,6-Tribromophenol (Surr)	*122*		*43 - 140*	*02/19/26 08:30*	*02/23/26 08:16*	*1*
Phenol-d5 (Surr)	*49*		*18 - 61*	*02/19/26 08:30*	*02/23/26 08:16*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.7		ug/L		02/18/26 21:01	1
Barium	**37**		2.0	1.6		ug/L		02/18/26 21:01	1

Client Sample ID: 2602161038D

Lab Sample ID: 410-265881-2

Date Collected: 02/16/26 10:38

Matrix: Water

Date Received: 02/17/26 10:10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Cadmium	0.50	U	0.50	0.40		ug/L		02/18/26 21:01	1
Chromium	2.0	U	2.0	1.1		ug/L		02/18/26 21:01	1
Lead	**0.78**		0.50	0.24		ug/L		02/18/26 21:01	1
Selenium	**2.3**		1.0	0.60		ug/L		02/18/26 21:01	1
Silver	0.50	U	0.50	0.30		ug/L		02/18/26 21:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.16		ug/L		02/18/26 21:20	1

Client Sample ID: 2602161100F

Lab Sample ID: 410-265881-3

Date Collected: 02/16/26 11:00

Matrix: Water

Date Received: 02/17/26 10:10

Method: SW846 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 12:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 12:42	1
Ethylbenzene	1.0	U	1.0	0.80		ug/L		02/20/26 12:42	1
Styrene	5.0	U	5.0	0.60		ug/L		02/20/26 12:42	1
1,4-Dichlorobenzene	5.0	U	5.0	0.60		ug/L		02/20/26 12:42	1
1,2-Dibromoethane	1.0	U	1.0	0.50		ug/L		02/20/26 12:42	1
1,2-Dichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
1,2,3-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 12:42	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0		ug/L		02/20/26 12:42	1
1,2,3-Trichloropropane	5.0	U	5.0	0.60		ug/L		02/20/26 12:42	1
Methylcyclohexane	5.0	U	5.0	1.0		ug/L		02/20/26 12:42	1
Toluene	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
1,2,4-Trimethylbenzene	5.0	U	5.0	2.0		ug/L		02/20/26 12:42	1
Chlorobenzene	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
Cyclohexane	5.0	U	5.0	2.0		ug/L		02/20/26 12:42	1
1,2,4-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 12:42	1
Dibromochloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 12:42	1
Xylenes, Total	1.0	U	1.0	0.80		ug/L		02/20/26 12:42	1
Tetrachloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
trans-1,2-Dichloroethene	2.0	U	2.0	1.4		ug/L		02/20/26 12:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.50		ug/L		02/20/26 12:42	1
1,3-Dichlorobenzene	5.0	U	5.0	1.4		ug/L		02/20/26 12:42	1
Carbon tetrachloride	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
1,4-Dioxane	250	U	250	100		ug/L		02/20/26 12:42	1
2-Hexanone	10	U	10	1.7		ug/L		02/20/26 12:42	1
Acetone	20	U	20	2.0		ug/L		02/20/26 12:42	1
Chloroform	1.0	U M	1.0	0.60		ug/L		02/20/26 12:42	1
Benzene	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
1,1,1-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
Bromomethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
Chloromethane	2.0	U	2.0	1.1		ug/L		02/20/26 12:42	1
Chloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
Vinyl chloride	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1

Client Sample ID: 2602161100F
Lab Sample ID: 410-265881-3
Date Collected: 02/16/26 11:00
Matrix: Water
Date Received: 02/17/26 10:10

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
Carbon disulfide	5.0	U	5.0	0.60		ug/L		02/20/26 12:42	1
Bromoform	4.0	U	4.0	2.0		ug/L		02/20/26 12:42	1
Bromodichloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 12:42	1
1,1-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
Trichlorofluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
Dichlorodifluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.60		ug/L		02/20/26 12:42	1
1,2-Dichloropropane	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
2-Butanone (MEK)	10	U	10	1.0		ug/L		02/20/26 12:42	1
Bromochloromethane	5.0	U	5.0	0.50		ug/L		02/20/26 12:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
Trichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
Methyl acetate	5.0	U	5.0	0.60		ug/L		02/20/26 12:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 12:42	1
1,2-Dichlorobenzene	5.0	U	5.0	0.50		ug/L		02/20/26 12:42	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.0		ug/L		02/20/26 12:42	1
Isopropylbenzene	5.0	U	5.0	0.60		ug/L		02/20/26 12:42	1
m-Xylene & p-Xylene	5.0	U	5.0	4.0		ug/L		02/20/26 12:42	1
o-Xylene	1.0	U	1.0	0.80		ug/L		02/20/26 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 118*		*02/20/26 12:42*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 119*		*02/20/26 12:42*	*1*
4-Bromofluorobenzene (Surr)	*103*		*85 - 114*		*02/20/26 12:42*	*1*
Toluene-d8 (Surr)	*101*		*89 - 112*		*02/20/26 12:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
2,2'-oxybis[1-chloropropane]	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
2,4,5-Trichlorophenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:49	1
2,4,6-Trichlorophenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:49	1
2,4-Dichlorophenol	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
2,4-Dimethylphenol	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
2,4-Dinitrophenol	5.7	U	5.7	5.7		ug/L		02/23/26 08:49	1
2,4-Dinitrotoluene	1.1	U *+	1.1	1.1		ug/L		02/23/26 08:49	1
2,6-Dinitrotoluene	0.47	U *+	0.47	0.47		ug/L		02/23/26 08:49	1
2-Chloronaphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
2-Chlorophenol	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
2-Methylnaphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
2-Methylphenol	0.28	U	0.28	0.28		ug/L		02/23/26 08:49	1
2-Nitroaniline	1.1	U *+	1.1	1.1		ug/L		02/23/26 08:49	1
2-Nitrophenol	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
3,3'-Dichlorobenzidine	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:49	1
3-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
4,6-Dinitro-2-methylphenol	0.69	U	0.69	0.69		ug/L		02/23/26 08:49	1
4-Bromophenyl phenyl ether	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
4-Chloro-3-methylphenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:49	1
4-Chloroaniline	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:49	1

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Client Sample ID: 2602161100F
Date Collected: 02/16/26 11:00
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
4-Methylphenol	0.28	U	0.28	0.28		ug/L		02/23/26 08:49	1
4-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
4-Nitrophenol	5.7	U	5.7	5.7		ug/L		02/23/26 08:49	1
Acenaphthene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Acenaphthylene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Acetophenone	1.1	U *+	1.1	1.1		ug/L		02/23/26 08:49	1
Anthracene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Atrazine	1.1	U ^c *+ cn	1.1	1.1		ug/L		02/23/26 08:49	1
Benzaldehyde	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
Benzo[a]anthracene	0.049	U *+	0.049	0.049		ug/L		02/23/26 08:49	1
Benzo[a]pyrene	0.049	U *+	0.049	0.049		ug/L		02/23/26 08:49	1
Benzo[b]fluoranthene	0.049	U	0.049	0.049		ug/L		02/23/26 08:49	1
Benzo[g,h,i]perylene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Benzo[k]fluoranthene	0.049	U *+	0.049	0.049		ug/L		02/23/26 08:49	1
Bis(2-chloroethoxy)methane	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:49	1
Bis(2-chloroethyl)ether	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:49	1
Bis(2-ethylhexyl) phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
Butyl benzyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
Caprolactam	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
Carbazole	0.30	U *+	0.30	0.11		ug/L		02/23/26 08:49	1
Chrysene	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:49	1
Di-n-butyl phthalate	3.6	U	3.6	3.6		ug/L		02/23/26 08:49	1
Di-n-octyl phthalate	1.1	U M	1.1	1.1		ug/L		02/23/26 08:49	1
Dibenz(a,h)anthracene	0.049	U *+	0.049	0.049		ug/L		02/23/26 08:49	1
Dibenzofuran	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Diethyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
Dimethyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
Fluoranthene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Fluorene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Hexachlorobenzene	0.033	U	0.033	0.033		ug/L		02/23/26 08:49	1
Hexachlorobutadiene	0.11	U *- cn	0.11	0.11		ug/L		02/23/26 08:49	1
Hexachlorocyclopentadiene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Hexachloroethane	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Isophorone	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
N-Nitrosodi-n-propylamine	0.099	U *+	0.099	0.099		ug/L		02/23/26 08:49	1
N-Nitrosodiphenylamine	0.11	U *+	0.11	0.11		ug/L		02/23/26 08:49	1
Naphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Nitrobenzene	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
Pentachlorophenol	1.1	U *+	1.1	1.1		ug/L		02/23/26 08:49	1
Phenanthrene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
Phenol	1.1	U	1.1	1.1		ug/L		02/23/26 08:49	1
Pyrene	0.11	U	0.11	0.11		ug/L		02/23/26 08:49	1
N-Nitrosodimethylamine	0.57	U	0.57	0.57		ug/L		02/23/26 08:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*161*	*S1+*	*44 - 119*	*02/19/26 08:30*	*02/23/26 08:49*	*1*
2-Fluorophenol (Surr)	*92*		*19 - 119*	*02/19/26 08:30*	*02/23/26 08:49*	*1*
Nitrobenzene-d5 (Surr)	*137*	*S1+*	*44 - 120*	*02/19/26 08:30*	*02/23/26 08:49*	*1*

Client Sample ID: 2602161100F

Lab Sample ID: 410-265881-3

Date Collected: 02/16/26 11:00

Matrix: Water

Date Received: 02/17/26 10:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl-d14 (Surr)	*127*		*50 - 134*	*02/19/26 08:30*	*02/23/26 08:49*	*1*
2,4,6-Tribromophenol (Surr)	*126*		*43 - 140*	*02/19/26 08:30*	*02/23/26 08:49*	*1*
Phenol-d5 (Surr)	*50*		*18 - 61*	*02/19/26 08:30*	*02/23/26 08:49*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.7		ug/L		02/20/26 22:16	1
Barium	2.0	U	2.0	1.6		ug/L		02/20/26 22:16	1
Cadmium	0.50	U	0.50	0.40		ug/L		02/20/26 22:16	1
Chromium	2.0	U	2.0	1.1		ug/L		02/20/26 22:16	1
Lead	0.50	U	0.50	0.24		ug/L		02/20/26 22:16	1
Selenium	1.0	U	1.0	0.60		ug/L		02/20/26 22:16	1
Silver	0.50	U	0.50	0.30		ug/L		02/20/26 22:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.16		ug/L		02/18/26 21:30	1

Client Sample ID: 2602161135E

Lab Sample ID: 410-265881-4

Date Collected: 02/16/26 11:35

Matrix: Water

Date Received: 02/17/26 10:10

Method: SW846 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 13:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 13:04	1
Ethylbenzene	1.0	U	1.0	0.80		ug/L		02/20/26 13:04	1
Styrene	5.0	U	5.0	0.60		ug/L		02/20/26 13:04	1
1,4-Dichlorobenzene	5.0	U	5.0	0.60		ug/L		02/20/26 13:04	1
1,2-Dibromoethane	1.0	U	1.0	0.50		ug/L		02/20/26 13:04	1
1,2-Dichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
1,2,3-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 13:04	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0		ug/L		02/20/26 13:04	1
1,2,3-Trichloropropane	5.0	U	5.0	0.60		ug/L		02/20/26 13:04	1
Methylcyclohexane	5.0	U	5.0	1.0		ug/L		02/20/26 13:04	1
Toluene	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
1,2,4-Trimethylbenzene	5.0	U	5.0	2.0		ug/L		02/20/26 13:04	1
Chlorobenzene	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Cyclohexane	5.0	U	5.0	2.0		ug/L		02/20/26 13:04	1
1,2,4-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 13:04	1
Dibromochloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 13:04	1
Xylenes, Total	1.0	U	1.0	0.80		ug/L		02/20/26 13:04	1
Tetrachloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
trans-1,2-Dichloroethene	2.0	U	2.0	1.4		ug/L		02/20/26 13:04	1
Methyl tert-butyl ether	1.0	U	1.0	0.50		ug/L		02/20/26 13:04	1
1,3-Dichlorobenzene	5.0	U	5.0	1.4		ug/L		02/20/26 13:04	1
Carbon tetrachloride	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
1,4-Dioxane	250	U	250	100		ug/L		02/20/26 13:04	1
2-Hexanone	10	U	10	1.7		ug/L		02/20/26 13:04	1

Client Sample ID: 2602161135E
Lab Sample ID: 410-265881-4
Date Collected: 02/16/26 11:35
Matrix: Water
Date Received: 02/17/26 10:10

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Acetone	20	U	20	2.0		ug/L		02/20/26 13:04	1
Chloroform	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Benzene	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
1,1,1-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Bromomethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Chloromethane	2.0	U	2.0	1.1		ug/L		02/20/26 13:04	1
Chloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Vinyl chloride	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Methylene Chloride	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Carbon disulfide	5.0	U	5.0	0.60		ug/L		02/20/26 13:04	1
Bromoform	4.0	U	4.0	2.0		ug/L		02/20/26 13:04	1
Bromodichloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 13:04	1
1,1-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Trichlorofluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Dichlorodifluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.60		ug/L		02/20/26 13:04	1
1,2-Dichloropropane	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
2-Butanone (MEK)	10	U	10	1.0		ug/L		02/20/26 13:04	1
Bromochloromethane	5.0	U	5.0	0.50		ug/L		02/20/26 13:04	1
1,1,2-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Trichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
Methyl acetate	5.0	U	5.0	0.60		ug/L		02/20/26 13:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:04	1
1,2-Dichlorobenzene	5.0	U	5.0	0.50		ug/L		02/20/26 13:04	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.0		ug/L		02/20/26 13:04	1
Isopropylbenzene	5.0	U	5.0	0.60		ug/L		02/20/26 13:04	1
m-Xylene & p-Xylene	5.0	U	5.0	4.0		ug/L		02/20/26 13:04	1
o-Xylene	1.0	U	1.0	0.80		ug/L		02/20/26 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*02/20/26 13:04*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 119*		*02/20/26 13:04*	*1*
4-Bromofluorobenzene (Surr)	*104*		*85 - 114*		*02/20/26 13:04*	*1*
Toluene-d8 (Surr)	*101*		*89 - 112*		*02/20/26 13:04*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
2,2'-oxybis[1-chloropropane]	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
2,4,5-Trichlorophenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 09:21	1
2,4,6-Trichlorophenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 09:21	1
2,4-Dichlorophenol	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
2,4-Dimethylphenol	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
2,4-Dinitrophenol	5.7	U	5.7	5.7		ug/L		02/23/26 09:21	1
2,4-Dinitrotoluene	1.1	U *+	1.1	1.1		ug/L		02/23/26 09:21	1
2,6-Dinitrotoluene	0.47	U *+	0.47	0.47		ug/L		02/23/26 09:21	1
2-Chloronaphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
2-Chlorophenol	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
2-Methylnaphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
2-Methylphenol	0.28	U	0.28	0.28		ug/L		02/23/26 09:21	1

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Client Sample ID: 2602161135E
Date Collected: 02/16/26 11:35
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Nitroaniline	1.1	U *+	1.1	1.1		ug/L		02/23/26 09:21	1
2-Nitrophenol	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
3,3'-Dichlorobenzidine	0.11	U *+	0.11	0.11		ug/L		02/23/26 09:21	1
3-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
4,6-Dinitro-2-methylphenol	0.69	U	0.69	0.69		ug/L		02/23/26 09:21	1
4-Bromophenyl phenyl ether	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
4-Chloro-3-methylphenol	0.11	U *+	0.11	0.11		ug/L		02/23/26 09:21	1
4-Chloroaniline	0.11	U *+	0.11	0.11		ug/L		02/23/26 09:21	1
4-Chlorophenyl phenyl ether	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
4-Methylphenol	0.28	U	0.28	0.28		ug/L		02/23/26 09:21	1
4-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
4-Nitrophenol	5.7	U	5.7	5.7		ug/L		02/23/26 09:21	1
Acenaphthene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Acenaphthylene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Acetophenone	1.1	U *+	1.1	1.1		ug/L		02/23/26 09:21	1
Anthracene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Atrazine	1.1	U ^c *+ cn	1.1	1.1		ug/L		02/23/26 09:21	1
Benzaldehyde	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
Benzo[a]anthracene	0.049	U *+	0.049	0.049		ug/L		02/23/26 09:21	1
Benzo[a]pyrene	0.049	U *+	0.049	0.049		ug/L		02/23/26 09:21	1
Benzo[b]fluoranthene	0.049	U	0.049	0.049		ug/L		02/23/26 09:21	1
Benzo[g,h,i]perylene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Benzo[k]fluoranthene	0.049	U *+	0.049	0.049		ug/L		02/23/26 09:21	1
Bis(2-chloroethoxy)methane	0.11	U *+	0.11	0.11		ug/L		02/23/26 09:21	1
Bis(2-chloroethyl)ether	0.11	U *+	0.11	0.11		ug/L		02/23/26 09:21	1
Bis(2-ethylhexyl) phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
Butyl benzyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
Caprolactam	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
Carbazole	0.30	U *+	0.30	0.11		ug/L		02/23/26 09:21	1
Chrysene	0.11	U *+	0.11	0.11		ug/L		02/23/26 09:21	1
Di-n-butyl phthalate	3.6	U	3.6	3.6		ug/L		02/23/26 09:21	1
Di-n-octyl phthalate	1.1	U M	1.1	1.1		ug/L		02/23/26 09:21	1
Dibenz(a,h)anthracene	0.049	U *+	0.049	0.049		ug/L		02/23/26 09:21	1
Dibenzofuran	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Diethyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
Dimethyl phthalate	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
Fluoranthene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Fluorene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Hexachlorobenzene	0.033	U	0.033	0.033		ug/L		02/23/26 09:21	1
Hexachlorobutadiene	0.11	U *- cn	0.11	0.11		ug/L		02/23/26 09:21	1
Hexachlorocyclopentadiene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Hexachloroethane	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Isophorone	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
N-Nitrosodi-n-propylamine	0.099	U *+	0.099	0.099		ug/L		02/23/26 09:21	1
N-Nitrosodiphenylamine	0.11	U *+	0.11	0.11		ug/L		02/23/26 09:21	1
Naphthalene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Nitrobenzene	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
Pentachlorophenol	1.1	U *+	1.1	1.1		ug/L		02/23/26 09:21	1

Client Sample ID: 2602161135E

Lab Sample ID: 410-265881-4

Date Collected: 02/16/26 11:35

Matrix: Water

Date Received: 02/17/26 10:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Phenanthrene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
Phenol	1.1	U	1.1	1.1		ug/L		02/23/26 09:21	1
Pyrene	0.11	U	0.11	0.11		ug/L		02/23/26 09:21	1
N-Nitrosodimethylamine	0.57	U	0.57	0.57		ug/L		02/23/26 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*169*	*S1+*	*44 - 119*	*02/19/26 08:30*	*02/23/26 09:21*	*1*
2-Fluorophenol (Surr)	*94*		*19 - 119*	*02/19/26 08:30*	*02/23/26 09:21*	*1*
Nitrobenzene-d5 (Surr)	*141*	*S1+*	*44 - 120*	*02/19/26 08:30*	*02/23/26 09:21*	*1*
p-Terphenyl-d14 (Surr)	*103*		*50 - 134*	*02/19/26 08:30*	*02/23/26 09:21*	*1*
2,4,6-Tribromophenol (Surr)	*129*		*43 - 140*	*02/19/26 08:30*	*02/23/26 09:21*	*1*
Phenol-d5 (Surr)	*52*		*18 - 61*	*02/19/26 08:30*	*02/23/26 09:21*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.7		ug/L		02/20/26 22:13	1
Barium	2.0	U	2.0	1.6		ug/L		02/20/26 22:13	1
Cadmium	0.50	U	0.50	0.40		ug/L		02/20/26 22:13	1
Chromium	2.0	U	2.0	1.1		ug/L		02/20/26 22:13	1
Lead	0.50	U	0.50	0.24		ug/L		02/20/26 22:13	1
Selenium	1.0	U	1.0	0.60		ug/L		02/20/26 22:13	1
Silver	0.50	U	0.50	0.30		ug/L		02/20/26 22:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.16		ug/L		02/18/26 21:28	1

Client Sample ID: 260216-TB01

Lab Sample ID: 410-265881-5

Date Collected: 02/16/26 00:00

Matrix: Water

Date Received: 02/17/26 10:10

Method: SW846 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 13:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 13:26	1
Ethylbenzene	1.0	U	1.0	0.80		ug/L		02/20/26 13:26	1
Styrene	5.0	U	5.0	0.60		ug/L		02/20/26 13:26	1
1,4-Dichlorobenzene	5.0	U	5.0	0.60		ug/L		02/20/26 13:26	1
1,2-Dibromoethane	1.0	U	1.0	0.50		ug/L		02/20/26 13:26	1
1,2-Dichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
1,2,3-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 13:26	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0		ug/L		02/20/26 13:26	1
1,2,3-Trichloropropane	5.0	U	5.0	0.60		ug/L		02/20/26 13:26	1
Methylcyclohexane	5.0	U	5.0	1.0		ug/L		02/20/26 13:26	1
Toluene	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
1,2,4-Trimethylbenzene	5.0	U	5.0	2.0		ug/L		02/20/26 13:26	1
Chlorobenzene	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Cyclohexane	5.0	U	5.0	2.0		ug/L		02/20/26 13:26	1
1,2,4-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 13:26	1
Dibromochloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 13:26	1
Xylenes, Total	1.0	U	1.0	0.80		ug/L		02/20/26 13:26	1

Client Sample ID: 260216-TB01

Lab Sample ID: 410-265881-5

Date Collected: 02/16/26 00:00

Matrix: Water

Date Received: 02/17/26 10:10

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
trans-1,2-Dichloroethene	2.0	U	2.0	1.4		ug/L		02/20/26 13:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.50		ug/L		02/20/26 13:26	1
1,3-Dichlorobenzene	5.0	U	5.0	1.4		ug/L		02/20/26 13:26	1
Carbon tetrachloride	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
1,4-Dioxane	250	U	250	100		ug/L		02/20/26 13:26	1
2-Hexanone	10	U	10	1.7		ug/L		02/20/26 13:26	1
Acetone	20	U	20	2.0		ug/L		02/20/26 13:26	1
Chloroform	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Benzene	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
1,1,1-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Bromomethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Chloromethane	2.0	U	2.0	1.1		ug/L		02/20/26 13:26	1
Chloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Vinyl chloride	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Methylene Chloride	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Carbon disulfide	5.0	U	5.0	0.60		ug/L		02/20/26 13:26	1
Bromoform	4.0	U	4.0	2.0		ug/L		02/20/26 13:26	1
Bromodichloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 13:26	1
1,1-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Trichlorofluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.60		ug/L		02/20/26 13:26	1
1,2-Dichloropropane	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
2-Butanone (MEK)	10	U	10	1.0		ug/L		02/20/26 13:26	1
Bromochloromethane	5.0	U	5.0	0.50		ug/L		02/20/26 13:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Trichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
Methyl acetate	5.0	U	5.0	0.60		ug/L		02/20/26 13:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:26	1
1,2-Dichlorobenzene	5.0	U	5.0	0.50		ug/L		02/20/26 13:26	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.0		ug/L		02/20/26 13:26	1
Isopropylbenzene	5.0	U	5.0	0.60		ug/L		02/20/26 13:26	1
m-Xylene & p-Xylene	5.0	U	5.0	4.0		ug/L		02/20/26 13:26	1
o-Xylene	1.0	U	1.0	0.80		ug/L		02/20/26 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*81 - 118*		*02/20/26 13:26*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 119*		*02/20/26 13:26*	*1*
4-Bromofluorobenzene (Surr)	*105*		*85 - 114*		*02/20/26 13:26*	*1*
Toluene-d8 (Surr)	*101*		*89 - 112*		*02/20/26 13:26*	*1*

Client Sample ID: 260216-TB02

Lab Sample ID: 410-265881-6

Date Collected: 02/16/26 00:00

Matrix: Water

Date Received: 02/17/26 10:10

Method: SW846 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 13:49	1

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Client Sample ID: 260216-TB02
Date Collected: 02/16/26 00:00
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 13:49	1
Ethylbenzene	1.0	U	1.0	0.80		ug/L		02/20/26 13:49	1
Styrene	5.0	U	5.0	0.60		ug/L		02/20/26 13:49	1
1,4-Dichlorobenzene	5.0	U	5.0	0.60		ug/L		02/20/26 13:49	1
1,2-Dibromoethane	1.0	U	1.0	0.50		ug/L		02/20/26 13:49	1
1,2-Dichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
1,2,3-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 13:49	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0		ug/L		02/20/26 13:49	1
1,2,3-Trichloropropane	5.0	U	5.0	0.60		ug/L		02/20/26 13:49	1
Methylcyclohexane	5.0	U	5.0	1.0		ug/L		02/20/26 13:49	1
Toluene	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
1,2,4-Trimethylbenzene	5.0	U	5.0	2.0		ug/L		02/20/26 13:49	1
Chlorobenzene	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Cyclohexane	5.0	U	5.0	2.0		ug/L		02/20/26 13:49	1
1,2,4-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 13:49	1
Dibromochloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 13:49	1
Xylenes, Total	1.0	U	1.0	0.80		ug/L		02/20/26 13:49	1
Tetrachloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
trans-1,2-Dichloroethene	2.0	U	2.0	1.4		ug/L		02/20/26 13:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.50		ug/L		02/20/26 13:49	1
1,3-Dichlorobenzene	5.0	U	5.0	1.4		ug/L		02/20/26 13:49	1
Carbon tetrachloride	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
1,4-Dioxane	250	U	250	100		ug/L		02/20/26 13:49	1
2-Hexanone	10	U	10	1.7		ug/L		02/20/26 13:49	1
Acetone	20	U	20	2.0		ug/L		02/20/26 13:49	1
Chloroform	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Benzene	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
1,1,1-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Bromomethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Chloromethane	2.0	U	2.0	1.1		ug/L		02/20/26 13:49	1
Chloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Vinyl chloride	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Methylene Chloride	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Carbon disulfide	5.0	U	5.0	0.60		ug/L		02/20/26 13:49	1
Bromoform	4.0	U	4.0	2.0		ug/L		02/20/26 13:49	1
Bromodichloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 13:49	1
1,1-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Trichlorofluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.60		ug/L		02/20/26 13:49	1
1,2-Dichloropropane	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
2-Butanone (MEK)	10	U	10	1.0		ug/L		02/20/26 13:49	1
Bromochloromethane	5.0	U	5.0	0.50		ug/L		02/20/26 13:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Trichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
Methyl acetate	5.0	U	5.0	0.60		ug/L		02/20/26 13:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 13:49	1
1,2-Dichlorobenzene	5.0	U	5.0	0.50		ug/L		02/20/26 13:49	1

Client: Tetra Tech Inc
Job ID: 410-265881-1
Project/Site: WSTF 600C-003-GW

Client Sample ID: 260216-TB02
Lab Sample ID: 410-265881-6
Date Collected: 02/16/26 00:00
Matrix: Water
Date Received: 02/17/26 10:10

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.0		ug/L		02/20/26 13:49	1
Isopropylbenzene	5.0	U	5.0	0.60		ug/L		02/20/26 13:49	1
m-Xylene & p-Xylene	5.0	U	5.0	4.0		ug/L		02/20/26 13:49	1
o-Xylene	1.0	U	1.0	0.80		ug/L		02/20/26 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*		*02/20/26 13:49*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 119*		*02/20/26 13:49*	*1*
4-Bromofluorobenzene (Surr)	*103*		*85 - 114*		*02/20/26 13:49*	*1*
Toluene-d8 (Surr)	*100*		*89 - 112*		*02/20/26 13:49*	*1*

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Method: 8260D - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(81-118)	(80-119)	(85-114)	(89-112)
410-265881-1	2602161038	102	100	103	101
410-265881-2	2602161038D	104	100	103	101
410-265881-3	2602161100F	98	100	103	101
410-265881-4	2602161135E	100	101	104	101
410-265881-5	260216-TB01	104	101	105	101
410-265881-6	260216-TB02	100	101	103	100
LCS 410-771798/4	Lab Control Sample	100	99	101	101
LCSD 410-771798/5	Lab Control Sample Dup	104	101	102	100
MB 410-771798/7	Method Blank	103	101	106	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	TPHd14	TBP	PHL
Lab Sample ID	Client Sample ID	(44-119)	(19-119)	(44-120)	(50-134)	(43-140)	(18-61)
410-265881-1	2602161038	167 S1+	73	145 S1+	123	132	37
410-265881-2	2602161038D	160 S1+	90	135 S1+	107	122	49
410-265881-3	2602161100F	161 S1+	92	137 S1+	127	126	50
410-265881-4	2602161135E	169 S1+	94	141 S1+	103	129	52
LCS 410-771282/2-A	Lab Control Sample	127 S1+	82	140 S1+	155 S1+	129	63 S1+
LCSD 410-771282/3-A	Lab Control Sample Dup	132 S1+	85	145 S1+	165 S1+	134	61
MB 410-771282/1-A	Method Blank	137 S1+	83	144 S1+	129	134	55

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
PHL = Phenol-d5 (Surr)

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Method: 8260D - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-771798/7
Matrix: Water
Analysis Batch: 771798

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 10:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.50		ug/L		02/20/26 10:48	1
Ethylbenzene	1.0	U	1.0	0.80		ug/L		02/20/26 10:48	1
Styrene	5.0	U	5.0	0.60		ug/L		02/20/26 10:48	1
1,4-Dichlorobenzene	5.0	U	5.0	0.60		ug/L		02/20/26 10:48	1
1,2-Dibromoethane	1.0	U	1.0	0.50		ug/L		02/20/26 10:48	1
1,2-Dichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
1,2,3-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 10:48	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0		ug/L		02/20/26 10:48	1
1,2,3-Trichloropropane	5.0	U	5.0	0.60		ug/L		02/20/26 10:48	1
Methylcyclohexane	5.0	U	5.0	1.0		ug/L		02/20/26 10:48	1
Toluene	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
1,2,4-Trimethylbenzene	5.0	U	5.0	2.0		ug/L		02/20/26 10:48	1
Chlorobenzene	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Cyclohexane	5.0	U	5.0	2.0		ug/L		02/20/26 10:48	1
1,2,4-Trichlorobenzene	5.0	U	5.0	1.0		ug/L		02/20/26 10:48	1
Dibromochloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 10:48	1
Xylenes, Total	1.0	U	1.0	0.80		ug/L		02/20/26 10:48	1
Tetrachloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
trans-1,2-Dichloroethene	2.0	U	2.0	1.4		ug/L		02/20/26 10:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.50		ug/L		02/20/26 10:48	1
1,3-Dichlorobenzene	5.0	U	5.0	1.4		ug/L		02/20/26 10:48	1
Carbon tetrachloride	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
1,4-Dioxane	250	U	250	100		ug/L		02/20/26 10:48	1
2-Hexanone	10	U	10	1.7		ug/L		02/20/26 10:48	1
Acetone	20	U	20	2.0		ug/L		02/20/26 10:48	1
Chloroform	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Benzene	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
1,1,1-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Bromomethane	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Chloromethane	2.0	U	2.0	1.1		ug/L		02/20/26 10:48	1
Chloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Vinyl chloride	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Methylene Chloride	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Carbon disulfide	5.0	U	5.0	0.60		ug/L		02/20/26 10:48	1
Bromoform	4.0	U	4.0	2.0		ug/L		02/20/26 10:48	1
Bromodichloromethane	1.0	U	1.0	0.50		ug/L		02/20/26 10:48	1
1,1-Dichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Trichlorofluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.60		ug/L		02/20/26 10:48	1
1,2-Dichloropropane	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
2-Butanone (MEK)	10	U	10	1.0		ug/L		02/20/26 10:48	1
Bromochloromethane	5.0	U	5.0	0.50		ug/L		02/20/26 10:48	1
1,1,2-Trichloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Trichloroethene	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
Methyl acetate	5.0	U	5.0	0.60		ug/L		02/20/26 10:48	1

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-771798/7
Matrix: Water
Analysis Batch: 771798

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60		ug/L		02/20/26 10:48	1
1,2-Dichlorobenzene	5.0	U	5.0	0.50		ug/L		02/20/26 10:48	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.0		ug/L		02/20/26 10:48	1
Isopropylbenzene	5.0	U	5.0	0.60		ug/L		02/20/26 10:48	1
m-Xylene & p-Xylene	5.0	U	5.0	4.0		ug/L		02/20/26 10:48	1
o-Xylene	1.0	U	1.0	0.80		ug/L		02/20/26 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 118*		*02/20/26 10:48*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 119*		*02/20/26 10:48*	*1*
4-Bromofluorobenzene (Surr)	*106*		*85 - 114*		*02/20/26 10:48*	*1*
Toluene-d8 (Surr)	*100*		*89 - 112*		*02/20/26 10:48*	*1*

Lab Sample ID: LCS 410-771798/4
Matrix: Water
Analysis Batch: 771798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.2		ug/L		91	75 - 124
trans-1,3-Dichloropropene	20.0	18.8		ug/L		94	73 - 127
Ethylbenzene	20.0	20.4		ug/L		102	79 - 121
Styrene	20.0	19.6		ug/L		98	78 - 123
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	79 - 118
1,2-Dibromoethane	20.0	18.7		ug/L		94	77 - 121
1,2-Dichloroethane	20.0	20.1		ug/L		101	73 - 128
1,2,3-Trichlorobenzene	20.0	19.5		ug/L		98	69 - 129
4-Methyl-2-pentanone (MIBK)	250	268		ug/L		107	67 - 130
1,2,3-Trichloropropane	20.0	18.7		ug/L		94	73 - 122
Methylcyclohexane	20.0	17.7		ug/L		89	72 - 132
Toluene	20.0	19.3		ug/L		97	80 - 121
1,2,4-Trimethylbenzene	20.0	19.1		ug/L		96	76 - 124
Chlorobenzene	20.0	19.4		ug/L		97	82 - 118
Cyclohexane	20.0	18.7		ug/L		94	71 - 130
1,2,4-Trichlorobenzene	20.0	19.7		ug/L		98	69 - 130
Dibromochloromethane	20.0	18.4		ug/L		92	74 - 126
Xylenes, Total	60.0	59.7		ug/L		100	79 - 121
Tetrachloroethene	20.0	20.0		ug/L		100	74 - 129
cis-1,2-Dichloroethene	20.0	19.8		ug/L		99	78 - 123
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	75 - 124
Methyl tert-butyl ether	20.0	19.2	M	ug/L		96	71 - 124
1,3-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 119
Carbon tetrachloride	20.0	20.0		ug/L		100	72 - 136
1,4-Dioxane	500	484		ug/L		97	59 - 139
2-Hexanone	250	268		ug/L		107	57 - 139
Acetone	250	246		ug/L		98	39 - 160
Chloroform	20.0	20.2		ug/L		101	79 - 124
Benzene	20.0	19.3		ug/L		96	79 - 120
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	74 - 131

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-771798/4
Matrix: Water
Analysis Batch: 771798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	18.1		ug/L		91	53 - 141
Chloromethane	20.0	18.0		ug/L		90	50 - 139
Chloroethane	20.0	19.1		ug/L		96	60 - 138
Vinyl chloride	20.0	18.3		ug/L		92	58 - 137
Methylene Chloride	20.0	19.4		ug/L		97	74 - 124
Carbon disulfide	20.0	18.9	M	ug/L		95	64 - 133
Bromoform	20.0	18.4		ug/L		92	66 - 130
Bromodichloromethane	20.0	19.4		ug/L		97	79 - 125
1,1-Dichloroethene	20.0	19.4		ug/L		97	71 - 131
Trichlorofluoromethane	20.0	14.9		ug/L		75	65 - 141
Dichlorodifluoromethane	20.0	13.6		ug/L		68	32 - 152
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.2		ug/L		91	70 - 136
1,2-Dichloropropane	20.0	19.6		ug/L		98	78 - 122
2-Butanone (MEK)	250	251		ug/L		101	56 - 143
Bromochloromethane	20.0	19.8		ug/L		99	78 - 123
1,1,2-Trichloroethane	20.0	19.1		ug/L		96	80 - 119
Trichloroethene	20.0	19.4		ug/L		97	79 - 123
Methyl acetate	20.0	20.1		ug/L		100	56 - 136
1,1,2,2-Tetrachloroethane	20.0	19.5		ug/L		98	71 - 121
1,2-Dichlorobenzene	20.0	19.1		ug/L		96	80 - 119
1,2-Dibromo-3-Chloropropane	20.0	18.9		ug/L		95	62 - 128
Isopropylbenzene	20.0	20.5		ug/L		102	72 - 131
m-Xylene & p-Xylene	40.0	39.6		ug/L		99	80 - 121
o-Xylene	20.0	20.1		ug/L		101	78 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*
Dibromofluoromethane (Surr)	*99*		*80 - 119*
4-Bromofluorobenzene (Surr)	*101*		*85 - 114*
Toluene-d8 (Surr)	*101*		*89 - 112*

Lab Sample ID: LCSD 410-771798/5
Matrix: Water
Analysis Batch: 771798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	18.5		ug/L		92	75 - 124	1	30
trans-1,3-Dichloropropene	20.0	18.4		ug/L		92	73 - 127	2	30
Ethylbenzene	20.0	20.4		ug/L		102	79 - 121	0	30
Styrene	20.0	20.0		ug/L		100	78 - 123	2	30
1,4-Dichlorobenzene	20.0	19.5		ug/L		97	79 - 118	2	30
1,2-Dibromoethane	20.0	18.8		ug/L		94	77 - 121	1	30
1,2-Dichloroethane	20.0	20.9		ug/L		105	73 - 128	4	30
1,2,3-Trichlorobenzene	20.0	18.6		ug/L		93	69 - 129	5	30
4-Methyl-2-pentanone (MIBK)	250	272		ug/L		109	67 - 130	2	30
1,2,3-Trichloropropane	20.0	18.9		ug/L		94	73 - 122	1	30
Methylcyclohexane	20.0	17.8		ug/L		89	72 - 132	0	30
Toluene	20.0	19.8		ug/L		99	80 - 121	2	30

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-771798/5
Matrix: Water
Analysis Batch: 771798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	20.0	19.2		ug/L		96	76 - 124	0	30
Chlorobenzene	20.0	19.3		ug/L		97	82 - 118	0	30
Cyclohexane	20.0	19.1		ug/L		96	71 - 130	2	30
1,2,4-Trichlorobenzene	20.0	19.8		ug/L		99	69 - 130	1	30
Dibromochloromethane	20.0	18.6		ug/L		93	74 - 126	1	30
Xylenes, Total	60.0	59.8		ug/L		100	79 - 121	0	30
Tetrachloroethene	20.0	19.6		ug/L		98	74 - 129	2	30
cis-1,2-Dichloroethene	20.0	19.9		ug/L		99	78 - 123	0	30
trans-1,2-Dichloroethene	20.0	20.0		ug/L		100	75 - 124	3	30
Methyl tert-butyl ether	20.0	19.1	M	ug/L		95	71 - 124	1	30
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 119	0	30
Carbon tetrachloride	20.0	20.4		ug/L		102	72 - 136	2	30
1,4-Dioxane	500	479		ug/L		96	59 - 139	1	30
2-Hexanone	250	270		ug/L		108	57 - 139	1	30
Acetone	250	233		ug/L		93	39 - 160	5	30
Chloroform	20.0	20.3		ug/L		101	79 - 124	0	30
Benzene	20.0	19.9		ug/L		100	79 - 120	3	30
1,1,1-Trichloroethane	20.0	20.6		ug/L		103	74 - 131	2	30
Bromomethane	20.0	18.3		ug/L		92	53 - 141	1	30
Chloromethane	20.0	18.0		ug/L		90	50 - 139	0	30
Chloroethane	20.0	19.7		ug/L		98	60 - 138	3	30
Vinyl chloride	20.0	18.2		ug/L		91	58 - 137	1	30
Methylene Chloride	20.0	20.2		ug/L		101	74 - 124	4	30
Carbon disulfide	20.0	19.3		ug/L		96	64 - 133	2	30
Bromoform	20.0	18.4		ug/L		92	66 - 130	0	30
Bromodichloromethane	20.0	20.1		ug/L		101	79 - 125	4	30
1,1-Dichloroethene	20.0	19.9		ug/L		99	71 - 131	2	30
Trichlorofluoromethane	20.0	14.9		ug/L		74	65 - 141	0	30
Dichlorodifluoromethane	20.0	14.2		ug/L		71	32 - 152	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.0		ug/L		95	70 - 136	4	30
1,2-Dichloropropane	20.0	19.9		ug/L		100	78 - 122	2	30
2-Butanone (MEK)	250	255		ug/L		102	56 - 143	1	30
Bromochloromethane	20.0	19.9		ug/L		99	78 - 123	0	30
1,1,2-Trichloroethane	20.0	19.3		ug/L		97	80 - 119	1	30
Trichloroethene	20.0	19.8		ug/L		99	79 - 123	2	30
Methyl acetate	20.0	20.5		ug/L		103	56 - 136	2	30
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		96	71 - 121	1	30
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 119	0	30
1,2-Dibromo-3-Chloropropane	20.0	19.4		ug/L		97	62 - 128	2	30
Isopropylbenzene	20.0	20.5		ug/L		102	72 - 131	0	30
m-Xylene & p-Xylene	40.0	39.7		ug/L		99	80 - 121	0	30
o-Xylene	20.0	20.1		ug/L		101	78 - 122	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*81 - 118*
Dibromofluoromethane (Surr)	*101*		*80 - 119*
4-Bromofluorobenzene (Surr)	*102*		*85 - 114*

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-771798/5
Matrix: Water
Analysis Batch: 771798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	100		89 - 112

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 410-771282/1-A
Matrix: Water
Analysis Batch: 771977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 771282

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
2,2'-oxybis[1-chloropropane]	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
2,4,5-Trichlorophenol	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
2,4,6-Trichlorophenol	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
2,4-Dichlorophenol	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
2,4-Dimethylphenol	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
2,4-Dinitrophenol	5.7	U	5.7	5.7		ug/L		02/20/26 23:51	1
2,4-Dinitrotoluene	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
2,6-Dinitrotoluene	0.48	U	0.48	0.48		ug/L		02/20/26 23:51	1
2-Chloronaphthalene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
2-Chlorophenol	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
2-Methylnaphthalene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
2-Methylphenol	0.29	U	0.29	0.29		ug/L		02/20/26 23:51	1
2-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
2-Nitrophenol	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
3,3'-Dichlorobenzidine	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
3-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
4,6-Dinitro-2-methylphenol	0.70	U	0.70	0.70		ug/L		02/20/26 23:51	1
4-Bromophenyl phenyl ether	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
4-Chloro-3-methylphenol	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
4-Chloroaniline	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
4-Chlorophenyl phenyl ether	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
4-Methylphenol	0.29	U M	0.29	0.29		ug/L		02/20/26 23:51	1
4-Nitroaniline	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
4-Nitrophenol	5.7	U	5.7	5.7		ug/L		02/20/26 23:51	1
Acenaphthene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Acenaphthylene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Acetophenone	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Anthracene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Atrazine	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Benzaldehyde	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Benzo[a]anthracene	0.050	U	0.050	0.050		ug/L		02/20/26 23:51	1
Benzo[a]pyrene	0.050	U	0.050	0.050		ug/L		02/20/26 23:51	1
Benzo[b]fluoranthene	0.050	U	0.050	0.050		ug/L		02/20/26 23:51	1
Benzo[g,h,i]perylene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Benzo[k]fluoranthene	0.050	U	0.050	0.050		ug/L		02/20/26 23:51	1
Bis(2-chloroethoxy)methane	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Bis(2-chloroethyl)ether	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Bis(2-ethylhexyl) phthalate	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Butyl benzyl phthalate	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 410-771282/1-A
Matrix: Water
Analysis Batch: 771977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 771282

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Caprolactam	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Carbazole	0.30	U	0.30	0.12		ug/L		02/20/26 23:51	1
Chrysene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Di-n-butyl phthalate	3.6	U	3.6	3.6		ug/L		02/20/26 23:51	1
Di-n-octyl phthalate	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Dibenz(a,h)anthracene	0.050	U	0.050	0.050		ug/L		02/20/26 23:51	1
Dibenzofuran	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Diethyl phthalate	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Dimethyl phthalate	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Fluoranthene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Fluorene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Hexachlorobenzene	0.033	U	0.033	0.033		ug/L		02/20/26 23:51	1
Hexachlorobutadiene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Hexachlorocyclopentadiene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Hexachloroethane	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Indeno[1,2,3-cd]pyrene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Isophorone	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
N-Nitrosodi-n-propylamine	0.10	U	0.10	0.10		ug/L		02/20/26 23:51	1
N-Nitrosodiphenylamine	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Naphthalene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Nitrobenzene	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Pentachlorophenol	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Phenanthrene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
Phenol	1.1	U	1.1	1.1		ug/L		02/20/26 23:51	1
Pyrene	0.12	U	0.12	0.12		ug/L		02/20/26 23:51	1
N-Nitrosodimethylamine	0.57	U	0.57	0.57		ug/L		02/20/26 23:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*137*	*S1+*	*44 - 119*	*02/19/26 08:30*	*02/20/26 23:51*	*1*
2-Fluorophenol (Surr)	*83*		*19 - 119*	*02/19/26 08:30*	*02/20/26 23:51*	*1*
Nitrobenzene-d5 (Surr)	*144*	*S1+*	*44 - 120*	*02/19/26 08:30*	*02/20/26 23:51*	*1*
p-Terphenyl-d14 (Surr)	*129*		*50 - 134*	*02/19/26 08:30*	*02/20/26 23:51*	*1*
2,4,6-Tribromophenol (Surr)	*134*		*43 - 140*	*02/19/26 08:30*	*02/20/26 23:51*	*1*
Phenol-d5 (Surr)	*55*		*18 - 61*	*02/19/26 08:30*	*02/20/26 23:51*	*1*

Lab Sample ID: LCS 410-771282/2-A
Matrix: Water
Analysis Batch: 771977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 771282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	5.71	4.43		ug/L		77	49 - 115
2,2'-oxybis[1-chloropropane]	5.71	7.37		ug/L		129	50 - 150
2,4,5-Trichlorophenol	5.71	8.15	*+	ug/L		143	53 - 123
2,4,6-Trichlorophenol	5.71	7.45	*+	ug/L		130	50 - 125
2,4-Dichlorophenol	5.71	6.87		ug/L		120	47 - 121
2,4-Dimethylphenol	5.71	6.74		ug/L		118	31 - 124
2,4-Dinitrophenol	11.4	2.82	J	ug/L		25	23 - 143
2,4-Dinitrotoluene	5.71	7.44	*+	ug/L		130	57 - 128

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 410-771282/2-A
Matrix: Water
Analysis Batch: 771977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 771282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	5.71	8.05	*+	ug/L		141	57 - 124
2-Chloronaphthalene	5.71	3.98		ug/L		70	40 - 116
2-Chlorophenol	5.71	6.30		ug/L		110	38 - 117
2-Methylnaphthalene	5.71	3.97		ug/L		69	40 - 121
2-Methylphenol	5.71	6.07		ug/L		106	30 - 117
2-Nitroaniline	5.71	7.55	*+	ug/L		132	55 - 127
2-Nitrophenol	5.71	6.86		ug/L		120	47 - 123
3,3'-Dichlorobenzidine	11.4	14.5		ug/L		127	27 - 129
3-Nitroaniline	5.71	7.04		ug/L		123	41 - 128
4,6-Dinitro-2-methylphenol	11.4	14.0		ug/L		122	44 - 137
4-Bromophenyl phenyl ether	5.71	4.53		ug/L		79	55 - 124
4-Chloro-3-methylphenol	5.71	7.01	*+	ug/L		123	52 - 119
4-Chloroaniline	5.71	7.06	*+	ug/L		124	33 - 117
4-Chlorophenyl phenyl ether	5.71	4.25		ug/L		74	53 - 121
4-Methylphenol	5.71	6.19		ug/L		108	25 - 120
4-Nitroaniline	5.71	5.94		ug/L		104	50 - 150
4-Nitrophenol	11.4	7.33		ug/L		64	20 - 160
Acenaphthene	5.71	5.58		ug/L		98	47 - 122
Acenaphthylene	5.71	5.36		ug/L		94	41 - 130
Acetophenone	5.71	6.86	*+	ug/L		120	46 - 118
Anthracene	5.71	5.88		ug/L		103	57 - 123
Atrazine	11.4	16.8	*+	ug/L		147	44 - 142
Benzaldehyde	11.4	14.1		ug/L		123	50 - 150
Benzo[a]anthracene	5.71	6.99		ug/L		122	58 - 125
Benzo[a]pyrene	5.71	7.20		ug/L		126	54 - 128
Benzo[b]fluoranthene	5.71	7.10		ug/L		124	53 - 131
Benzo[g,h,i]perylene	5.71	7.39		ug/L		129	50 - 134
Benzo[k]fluoranthene	5.71	7.78	*+	ug/L		136	57 - 129
Bis(2-chloroethoxy)methane	5.71	7.27	*+	ug/L		127	48 - 120
Bis(2-chloroethyl)ether	5.71	7.28	*+	ug/L		127	43 - 118
Bis(2-ethylhexyl) phthalate	5.71	5.96		ug/L		104	55 - 135
Butyl benzyl phthalate	5.71	5.96		ug/L		104	53 - 134
Caprolactam	11.4	2.36	I	ug/L		21	10 - 120
Carbazole	5.71	7.80	*+	ug/L		136	60 - 122
Chrysene	5.71	7.19	*+	ug/L		126	59 - 123
Di-n-butyl phthalate	5.71	6.61		ug/L		116	59 - 127
Di-n-octyl phthalate	5.71	7.35		ug/L		129	51 - 140
Dibenz(a,h)anthracene	5.71	7.70	*+	ug/L		135	51 - 134
Dibenzofuran	5.71	5.21		ug/L		91	53 - 118
Diethyl phthalate	5.71	6.79		ug/L		119	56 - 125
Dimethyl phthalate	5.71	6.71		ug/L		117	45 - 127
Fluoranthene	5.71	6.55		ug/L		115	57 - 128
Fluorene	5.71	5.33		ug/L		93	52 - 124
Hexachlorobenzene	5.71	3.65		ug/L		64	28 - 136
Hexachlorobutadiene	5.71	0.869	*-	ug/L		15	22 - 124
Hexachlorocyclopentadiene	5.71	1.29		ug/L		23	10 - 120
Hexachloroethane	5.71	1.99		ug/L		35	21 - 115
Indeno[1,2,3-cd]pyrene	5.71	7.18		ug/L		126	52 - 134
Isophorone	5.71	6.45		ug/L		113	42 - 124

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 410-771282/2-A
Matrix: Water
Analysis Batch: 771977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 771282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodi-n-propylamine	5.71	6.97	*+	ug/L		122	49 - 119
N-Nitrosodiphenylamine	4.86	6.07	*+	ug/L		125	51 - 123
Naphthalene	5.71	5.02		ug/L		88	40 - 121
Nitrobenzene	5.71	6.56		ug/L		115	45 - 121
Pentachlorophenol	11.4	17.8	*+	ug/L		155	35 - 138
Phenanthrene	5.71	5.63		ug/L		99	59 - 120
Phenol	5.71	3.05		ug/L		53	30 - 150
Pyrene	5.71	6.51		ug/L		114	57 - 126
N-Nitrosodimethylamine	5.71	1.77		ug/L		31	20 - 160

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*127*	*S1+*	*44 - 119*
2-Fluorophenol (Surr)	*82*		*19 - 119*
Nitrobenzene-d5 (Surr)	*140*	*S1+*	*44 - 120*
p-Terphenyl-d14 (Surr)	*155*	*S1+*	*50 - 134*
2,4,6-Tribromophenol (Surr)	*129*		*43 - 140*
Phenol-d5 (Surr)	*63*	*S1+*	*18 - 61*

Lab Sample ID: LCSD 410-771282/3-A
Matrix: Water
Analysis Batch: 771977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 771282

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	5.71	4.56		ug/L		80	49 - 115	3	30
2,2'-oxybis[1-chloropropane]	5.71	7.23		ug/L		126	50 - 150	2	30
2,4,5-Trichlorophenol	5.71	8.01	*+	ug/L		140	53 - 123	2	30
2,4,6-Trichlorophenol	5.71	7.40	*+	ug/L		130	50 - 125	1	30
2,4-Dichlorophenol	5.71	6.79		ug/L		119	47 - 121	1	30
2,4-Dimethylphenol	5.71	7.00		ug/L		122	31 - 124	4	30
2,4-Dinitrophenol	11.4	3.09	J	ug/L		27	23 - 143	9	30
2,4-Dinitrotoluene	5.71	7.35	*+	ug/L		129	57 - 128	3	30
2,6-Dinitrotoluene	5.71	8.23	*+	ug/L		144	57 - 124	2	30
2-Chloronaphthalene	5.71	4.17		ug/L		73	40 - 116	5	30
2-Chlorophenol	5.71	6.37		ug/L		112	38 - 117	1	30
2-Methylnaphthalene	5.71	4.14		ug/L		72	40 - 121	4	30
2-Methylphenol	5.71	5.89		ug/L		103	30 - 117	3	30
2-Nitroaniline	5.71	7.59	*+	ug/L		133	55 - 127	1	30
2-Nitrophenol	5.71	6.96		ug/L		122	47 - 123	1	30
3,3'-Dichlorobenzidine	11.4	14.9	*+	ug/L		130	27 - 129	3	30
3-Nitroaniline	5.71	7.01		ug/L		123	41 - 128	0	30
4,6-Dinitro-2-methylphenol	11.4	14.1		ug/L		123	44 - 137	0	30
4-Bromophenyl phenyl ether	5.71	4.88		ug/L		85	55 - 124	8	30
4-Chloro-3-methylphenol	5.71	6.88	*+	ug/L		120	52 - 119	2	30
4-Chloroaniline	5.71	7.04	*+	ug/L		123	33 - 117	0	30
4-Chlorophenyl phenyl ether	5.71	4.62		ug/L		81	53 - 121	8	30
4-Methylphenol	5.71	6.38		ug/L		112	25 - 120	3	30
4-Nitroaniline	5.71	6.09		ug/L		107	50 - 150	2	30
4-Nitrophenol	11.4	7.30		ug/L		64	20 - 160	0	30

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 410-771282/3-A
Matrix: Water
Analysis Batch: 771977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 771282

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			5.71	5.57		ug/L		97	47 - 122	0	30
Acenaphthylene			5.71	5.53		ug/L		97	41 - 130	3	30
Acetophenone			5.71	6.98	*+	ug/L		122	46 - 118	2	30
Anthracene			5.71	6.26		ug/L		110	57 - 123	6	30
Atrazine			11.4	16.3	*+	ug/L		143	44 - 142	3	30
Benzaldehyde			11.4	14.3		ug/L		125	50 - 150	2	30
Benzo[a]anthracene			5.71	7.28	*+	ug/L		127	58 - 125	4	30
Benzo[a]pyrene			5.71	7.40	*+	ug/L		129	54 - 128	3	30
Benzo[b]fluoranthene			5.71	7.27		ug/L		127	53 - 131	2	30
Benzo[g,h,i]perylene			5.71	7.51		ug/L		131	50 - 134	2	30
Benzo[k]fluoranthene			5.71	7.87	*+	ug/L		138	57 - 129	1	30
Bis(2-chloroethoxy)methane			5.71	7.26	*+	ug/L		127	48 - 120	0	30
Bis(2-chloroethyl)ether			5.71	7.48	*+	ug/L		131	43 - 118	3	30
Bis(2-ethylhexyl) phthalate			5.71	6.13		ug/L		107	55 - 135	3	30
Butyl benzyl phthalate			5.71	6.36		ug/L		111	53 - 134	6	30
Caprolactam			11.4	2.27	I	ug/L		20	10 - 120	4	30
Carbazole			5.71	7.84	*+	ug/L		137	60 - 122	1	30
Chrysene			5.71	7.42	*+	ug/L		130	59 - 123	3	30
Di-n-butyl phthalate			5.71	6.91		ug/L		121	59 - 127	4	30
Di-n-octyl phthalate			5.71	7.36		ug/L		129	51 - 140	0	30
Dibenz(a,h)anthracene			5.71	7.78	*+	ug/L		136	51 - 134	1	30
Dibenzofuran			5.71	5.48		ug/L		96	53 - 118	5	30
Diethyl phthalate			5.71	7.04		ug/L		123	56 - 125	4	30
Dimethyl phthalate			5.71	6.88		ug/L		120	45 - 127	3	30
Fluoranthene			5.71	7.10		ug/L		124	57 - 128	8	30
Fluorene			5.71	5.90		ug/L		103	52 - 124	10	30
Hexachlorobenzene			5.71	4.06		ug/L		71	28 - 136	11	30
Hexachlorobutadiene			5.71	1.13	*-	ug/L		20	22 - 124	26	30
Hexachlorocyclopentadiene			5.71	1.68		ug/L		29	10 - 120	26	30
Hexachloroethane			5.71	2.42		ug/L		42	21 - 115	20	30
Indeno[1,2,3-cd]pyrene			5.71	7.24		ug/L		127	52 - 134	1	30
Isophorone			5.71	6.58		ug/L		115	42 - 124	2	30
N-Nitrosodi-n-propylamine			5.71	7.23	*+	ug/L		127	49 - 119	4	30
N-Nitrosodiphenylamine			4.86	6.10	*+	ug/L		126	51 - 123	1	30
Naphthalene			5.71	5.11		ug/L		89	40 - 121	2	30
Nitrobenzene			5.71	6.72		ug/L		118	45 - 121	2	30
Pentachlorophenol			11.4	17.5	*+	ug/L		153	35 - 138	2	30
Phenanthrene			5.71	6.04		ug/L		106	59 - 120	7	30
Phenol			5.71	3.08		ug/L		54	30 - 150	1	30
Pyrene			5.71	6.90		ug/L		121	57 - 126	6	30
N-Nitrosodimethylamine			5.71	1.93		ug/L		34	20 - 160	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*132*	*S1+*	*44 - 119*
2-Fluorophenol (Surr)	*85*		*19 - 119*
Nitrobenzene-d5 (Surr)	*145*	*S1+*	*44 - 120*
p-Terphenyl-d14 (Surr)	*165*	*S1+*	*50 - 134*
2,4,6-Tribromophenol (Surr)	*134*		*43 - 140*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCSD 410-771282/3-A
Matrix: Water
Analysis Batch: 771977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 771282

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*61*		*18 - 61*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-770420/1-A
Matrix: Water
Analysis Batch: 771141

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 770420

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.7		ug/L		02/18/26 17:33	1
Barium	2.0	U	2.0	1.6		ug/L		02/18/26 17:33	1
Cadmium	0.50	U	0.50	0.40		ug/L		02/18/26 17:33	1
Chromium	2.0	U	2.0	1.1		ug/L		02/18/26 17:33	1
Lead	0.50	U	0.50	0.24		ug/L		02/18/26 17:33	1
Selenium	1.0	U	1.0	0.60		ug/L		02/18/26 17:33	1
Silver	0.50	U	0.50	0.30		ug/L		02/18/26 17:33	1

Lab Sample ID: LCS 410-770420/2-A
Matrix: Water
Analysis Batch: 771141

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 770420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	482		ug/L		96	84 - 116
Barium	500	479		ug/L		96	86 - 114
Cadmium	50.0	49.5		ug/L		99	87 - 115
Chromium	500	493		ug/L		99	85 - 116
Lead	50.0	49.7		ug/L		99	88 - 115
Selenium	100	101		ug/L		101	80 - 120
Silver	50.0	49.6		ug/L		99	85 - 116

Lab Sample ID: MB 410-770424/1-A
Matrix: Water
Analysis Batch: 772372

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 770424

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.7		ug/L		02/20/26 17:01	1
Barium	2.0	U	2.0	1.6		ug/L		02/20/26 17:01	1
Cadmium	0.50	U	0.50	0.40		ug/L		02/20/26 17:01	1
Chromium	2.0	U	2.0	1.1		ug/L		02/20/26 17:01	1
Lead	0.50	U	0.50	0.24		ug/L		02/20/26 17:01	1
Selenium	1.0	U	1.0	0.60		ug/L		02/20/26 17:01	1
Silver	0.50	U	0.50	0.30		ug/L		02/20/26 17:01	1

Lab Sample ID: LCS 410-770424/2-A
Matrix: Water
Analysis Batch: 772372

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 770424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	499		ug/L		100	84 - 116

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-770424/2-A
Matrix: Water
Analysis Batch: 772372

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 770424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	500	512		ug/L		102	86 - 114
Cadmium	50.0	50.6		ug/L		101	87 - 115
Chromium	500	495		ug/L		99	85 - 116
Lead	50.0	51.1		ug/L		102	88 - 115
Selenium	100	98.5		ug/L		99	80 - 120
Silver	50.0	51.8		ug/L		104	85 - 116

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-770629/1-A
Matrix: Water
Analysis Batch: 771133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 770629

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.16		ug/L		02/18/26 21:03	1

Lab Sample ID: LCS 410-770629/2-A
Matrix: Water
Analysis Batch: 771133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 770629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.856		ug/L		86	82 - 119

QC Association Summary

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

GC/MS VOA

Analysis Batch: 771798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-265881-1	2602161038	Total/NA	Water	8260D	
410-265881-2	2602161038D	Total/NA	Water	8260D	
410-265881-3	2602161100F	Total/NA	Water	8260D	
410-265881-4	2602161135E	Total/NA	Water	8260D	
410-265881-5	260216-TB01	Total/NA	Water	8260D	
410-265881-6	260216-TB02	Total/NA	Water	8260D	
MB 410-771798/7	Method Blank	Total/NA	Water	8260D	
LCS 410-771798/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-771798/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 771282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-265881-1	2602161038	Total/NA	Water	3511	
410-265881-2	2602161038D	Total/NA	Water	3511	
410-265881-3	2602161100F	Total/NA	Water	3511	
410-265881-4	2602161135E	Total/NA	Water	3511	
MB 410-771282/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-771282/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-771282/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 771977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-771282/1-A	Method Blank	Total/NA	Water	8270E	771282
LCS 410-771282/2-A	Lab Control Sample	Total/NA	Water	8270E	771282
LCSD 410-771282/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	771282

Analysis Batch: 772579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-265881-1	2602161038	Total/NA	Water	8270E	771282
410-265881-2	2602161038D	Total/NA	Water	8270E	771282
410-265881-3	2602161100F	Total/NA	Water	8270E	771282
410-265881-4	2602161135E	Total/NA	Water	8270E	771282

Metals

Prep Batch: 770420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-265881-1	2602161038	Total Recoverable	Water	3005A	
410-265881-2	2602161038D	Total Recoverable	Water	3005A	
MB 410-770420/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-770420/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 770424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-265881-3	2602161100F	Total Recoverable	Water	3005A	
410-265881-4	2602161135E	Total Recoverable	Water	3005A	
MB 410-770424/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-770424/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Metals

Prep Batch: 770629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-265881-1	2602161038	Total/NA	Water	7470A	
410-265881-2	2602161038D	Total/NA	Water	7470A	
410-265881-3	2602161100F	Total/NA	Water	7470A	
410-265881-4	2602161135E	Total/NA	Water	7470A	
MB 410-770629/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-770629/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 771133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-265881-1	2602161038	Total/NA	Water	7470A	770629
410-265881-2	2602161038D	Total/NA	Water	7470A	770629
410-265881-3	2602161100F	Total/NA	Water	7470A	770629
410-265881-4	2602161135E	Total/NA	Water	7470A	770629
MB 410-770629/1-A	Method Blank	Total/NA	Water	7470A	770629
LCS 410-770629/2-A	Lab Control Sample	Total/NA	Water	7470A	770629

Analysis Batch: 771141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-265881-1	2602161038	Total Recoverable	Water	6020B	770420
410-265881-2	2602161038D	Total Recoverable	Water	6020B	770420
MB 410-770420/1-A	Method Blank	Total Recoverable	Water	6020B	770420
LCS 410-770420/2-A	Lab Control Sample	Total Recoverable	Water	6020B	770420

Analysis Batch: 771505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-265881-1	2602161038	Total Recoverable	Water	6020B	770420

Analysis Batch: 772372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-265881-3	2602161100F	Total Recoverable	Water	6020B	770424
410-265881-4	2602161135E	Total Recoverable	Water	6020B	770424
MB 410-770424/1-A	Method Blank	Total Recoverable	Water	6020B	770424
LCS 410-770424/2-A	Lab Control Sample	Total Recoverable	Water	6020B	770424

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Client Sample ID: 2602161038
Date Collected: 02/16/26 10:38
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	771798	TQ4J	ELLE	02/20/26 11:57
Total/NA	Prep	3511			771282	XU9L	ELLE	02/19/26 08:30
Total/NA	Analysis	8270E		1	772579	SJ89	ELLE	02/23/26 07:44
Total Recoverable	Prep	3005A			770420	UAMX	ELLE	02/18/26 07:45
Total Recoverable	Analysis	6020B		1	771141	I9IN	ELLE	02/18/26 20:59
Total Recoverable	Prep	3005A			770420	UAMX	ELLE	02/18/26 07:45
Total Recoverable	Analysis	6020B		1	771505	SAM2	ELLE	02/19/26 13:50
Total/NA	Prep	7470A			770629	RFN5	ELLE	02/18/26 09:37
Total/NA	Analysis	7470A		1	771133	IJ3I	ELLE	02/18/26 21:26

Client Sample ID: 2602161038D
Date Collected: 02/16/26 10:38
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	771798	TQ4J	ELLE	02/20/26 12:19
Total/NA	Prep	3511			771282	XU9L	ELLE	02/19/26 08:30
Total/NA	Analysis	8270E		1	772579	SJ89	ELLE	02/23/26 08:16
Total Recoverable	Prep	3005A			770420	UAMX	ELLE	02/18/26 07:45
Total Recoverable	Analysis	6020B		1	771141	I9IN	ELLE	02/18/26 21:01
Total/NA	Prep	7470A			770629	RFN5	ELLE	02/18/26 09:37
Total/NA	Analysis	7470A		1	771133	IJ3I	ELLE	02/18/26 21:20

Client Sample ID: 2602161100F
Date Collected: 02/16/26 11:00
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	771798	TQ4J	ELLE	02/20/26 12:42
Total/NA	Prep	3511			771282	XU9L	ELLE	02/19/26 08:30
Total/NA	Analysis	8270E		1	772579	SJ89	ELLE	02/23/26 08:49
Total Recoverable	Prep	3005A			770424	ZKHU	ELLE	02/18/26 15:45
Total Recoverable	Analysis	6020B		1	772372	I9IN	ELLE	02/20/26 22:16
Total/NA	Prep	7470A			770629	RFN5	ELLE	02/18/26 09:37
Total/NA	Analysis	7470A		1	771133	IJ3I	ELLE	02/18/26 21:30

Client Sample ID: 2602161135E
Date Collected: 02/16/26 11:35
Date Received: 02/17/26 10:10

Lab Sample ID: 410-265881-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	771798	TQ4J	ELLE	02/20/26 13:04
Total/NA	Prep	3511			771282	XU9L	ELLE	02/19/26 08:30
Total/NA	Analysis	8270E		1	772579	SJ89	ELLE	02/23/26 09:21

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: WSTF 600C-003-GW

Job ID: 410-265881-1

Client Sample ID: 2602161135E
Lab Sample ID: 410-265881-4

Date Collected: 02/16/26 11:35
Matrix: Water
Date Received: 02/17/26 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			770424	ZKHU	ELLE	02/18/26 15:45
Total Recoverable	Analysis	6020B		1	772372	I9IN	ELLE	02/20/26 22:13
Total/NA	Prep	7470A			770629	RFN5	ELLE	02/18/26 09:37
Total/NA	Analysis	7470A		1	771133	IJ3I	ELLE	02/18/26 21:28

Client Sample ID: 260216-TB01
Lab Sample ID: 410-265881-5

Date Collected: 02/16/26 00:00
Matrix: Water
Date Received: 02/17/26 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	771798	TQ4J	ELLE	02/20/26 13:26

Client Sample ID: 260216-TB02
Lab Sample ID: 410-265881-6

Date Collected: 02/16/26 00:00
Matrix: Water
Date Received: 02/17/26 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	771798	TQ4J	ELLE	02/20/26 13:49

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Tetra Tech Inc
Job ID: 410-265881-1
Project/Site: WSTF 600C-003-GW

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
Pennsylvania	NELAP	36-00037	01-31-27

Method Summary

Client: Tetra Tech Inc
Job ID: 410-265881-1
Project/Site: WSTF 600C-003-GW

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds (GC/MS)	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Tetra Tech Inc
Job ID: 410-265881-1
Project/Site: WSTF 600C-003-GW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-265881-1	2602161038	Water	02/16/26 10:38	02/17/26 10:10	New Mexico
410-265881-2	2602161038D	Water	02/16/26 10:38	02/17/26 10:10	New Mexico
410-265881-3	2602161100F	Water	02/16/26 11:00	02/17/26 10:10	New Mexico
410-265881-4	2602161135E	Water	02/16/26 11:35	02/17/26 10:10	New Mexico
410-265881-5	260216-TB01	Water	02/16/26 00:00	02/17/26 10:10	New Mexico
410-265881-6	260216-TB02	Water	02/16/26 00:00	02/17/26 10:10	New Mexico

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of C

410-265881 Chain of Custody

oler 2 of 2

eurofins | Environment Testing

Client Information	Sampler: Grace Ashmore, Ben S	Carrier Tracking No(s):	COC No: 410-184604-50012.1
Client Contact: ~~Grace Ashmore~~ Sarah Domphousse	Phone: 831-220-9227 (	State of Origin: NM	Page: Page 1 of 1
Company: Tetra Tech Inc	PWSID:		Job #:
Address: 400 Penn Center Blvd Suite 700 ~~1230 Columbia Street Suite 1000~~	Due Date Requested: Standard	Analysis Requested	Preservation Codes: A - HCL, N - None, D - HNO3
City: ~~San Diego~~ Pittsburgh	TAT Requested (days): Standard		
State, Zip: ~~CA, 92101~~ PA, 15235	Compliance Project: Δ Yes Δ No		
Phone: 407-808-1414	PO #: 1223283		
Email: ~~Grace.Ashmore@tetratech.com~~ sarah.domphousse@tetratech.com	WO #:		
Project Name: WSTF 600C-003-GW	Project #: 41028206		
Site: 600C-003-GW	SSOW#:		Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D_DOD6 - (MOD) TCL 4.3	8270E_QQQ_DOD6 - TCL 4.3 SVOCs +NDMA	6020B_DOD6, 7470A_DOD6	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N	D		
2602161038	2/16/26	1038	G	Water	N	N	3	2	1		600C-003-GW sample
2602161038D	2/16/26	1038	G	Water	N	N	3	2	1		Duplicate
2602161100F	2/16/26	1100	G	Water			3	2	1		Field blank
2602161135E	2/16/26	1135	G	Water			3	2	1		Equip rinsate (WLM)
~~TB~~ 260216-TB01	—	—	—	Water			2				Trip blank #1
260216-TB02	—	—	—	Water			2				Trip blank #2
											Ask lab PM if trip blanks need to be run

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Grace Ashmore	2/16/26 1400	TT	Fedex	2/16/26 1400	Fedex
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	2/17/26 1010	DRAN

Custody Seals Intact: ☒ Yes Δ No | Custody Seal No.: 053633, 055367

Cooler Temperature(s) °C and Other Remarks: R: 5.0-6.2 C: 3.9-5.1

SF

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 410-265881-1

Login Number: 265881

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

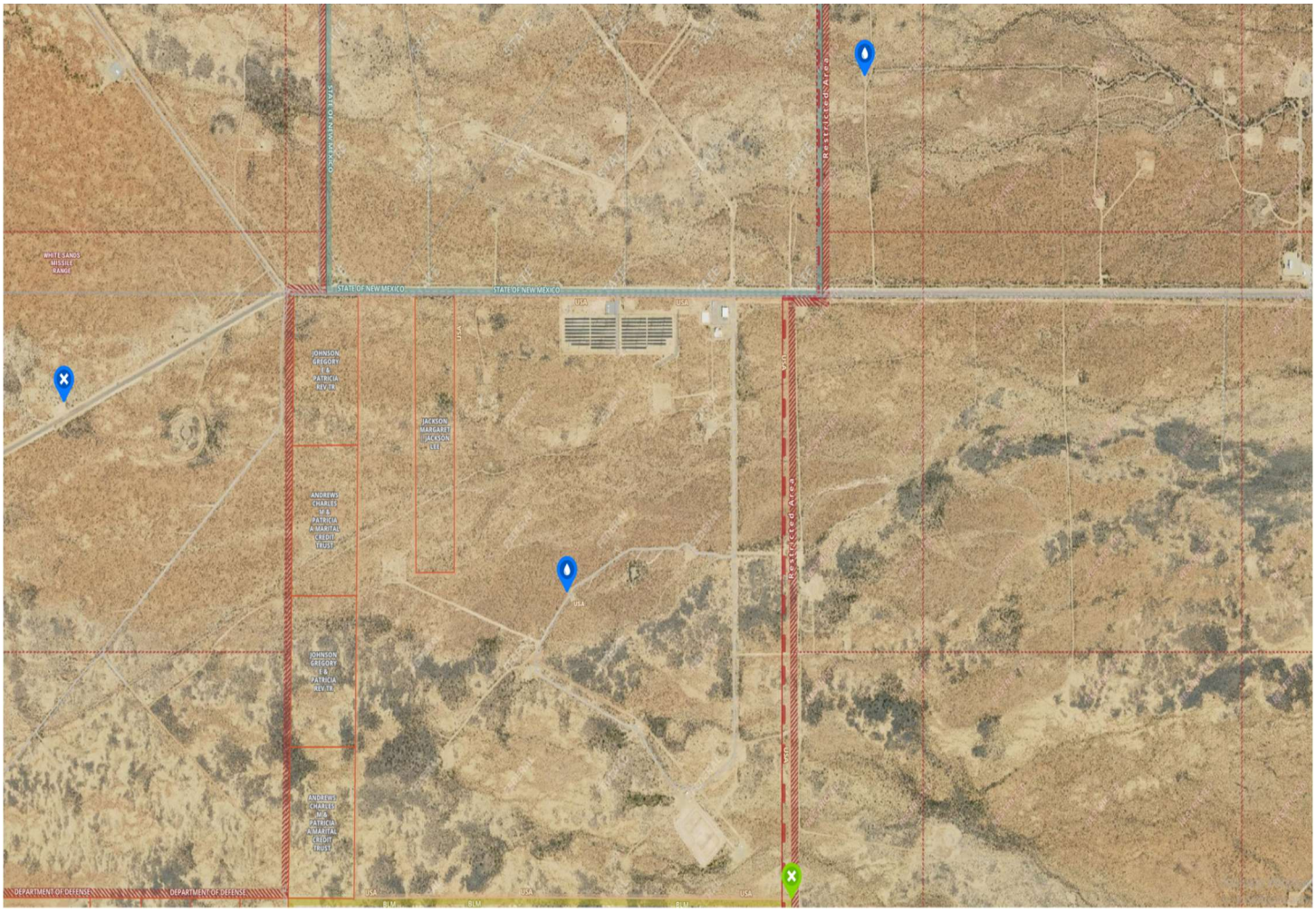
Creator: Fuehrer, Stephanie

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	False	Headspace greater than 6mm in diameter in some but not all containers

Appendix F
Survey Report

Project: Monitoring Well Survey Location: New Mexico State Plane, Central Zone

Survey Date: January 14,2026
Prepared For: Tetra Tech
Prepared By: Construction Surveying Services



Monitoring Well Survey Report

Project: Monitoring Well Survey

Survey Date: January 14, 2026

Client: Tetra Tech

Surveyed By: Construction Surveying Services

1.0 Executive Summary

Construction Surveying Services performed a horizontal and vertical control survey for two monitoring wells (600C-004-GW and 600C-003-GW). The objective was to establish precise coordinates and elevations for the brass caps, PVC casings, and adjacent natural ground at each site using high-precision GNSS technology.

2.0 Methodology and Equipment

The survey employed a combination of **Static GNSS observations** for control establishment and **Real-Time Kinematic (RTK)** measurements for point-specific data collection.

- **Equipment:** Stonex S10A (Base Station) and Stonex S800 (Rover).
- **Primary Control:** Base stations performed static data collection for a duration exceeding two hours at each site.
- **Post-Processing:** Raw static data was processed through the National Geodetic Survey (NGS) **Online Positioning User Service (OPUS)** to ensure high-accuracy global positioning.
- **Quality Control:** The field crew verified accuracy by checking into several points of an existing survey network and a previously established control point from a past monitoring well survey.

3.0 Field Observations

3.1 Well Site #600C-004-GW

- **Base Point:** #2294
- **Observation Window:** 08:30 – 11:00 MST
- **Measurement Points:** * Brass cap (concrete footing)
    - Top of PVC casing (North side)
    - Adjacent natural ground (North side)

3.2 Well Site #600C-003-GW

- **Base Point:** #2293
- **Observation Window:** 15:00 – 17:15 MST
- **Measurement Points:** * Brass cap (concrete footing)
    - Top of PVC casing (North side)
    - Adjacent natural ground (North side)

4.0 Coordinate System and Datums

To maintain consistency with regional mapping standards, all data is referenced to the following:

Parameter	Reference Datum / System
Horizontal Datum	NAD83 (New Mexico State Plane, Central Zone)
Vertical Datum	NAVD88
Horizontal Units	Meters (reported to nearest 0.03m / 0.1 ft)
Vertical Units	Feet (reported to nearest 0.01 ft)

5.0 Results and Survey Data

The specific coordinate strings and elevation values determined during this survey are cataloged in the following attachments:

Well Number	Point	Northing (meters)	Easting (meters)	Elevation (feet)
#600C-003-GW	OPUS #2293	168838.20	462754.31	4552.48
#600C-003-GW	Brass Cap	168866.41	462757.19	4553.24
#600C-003-GW	North Side Top PVC	168866.58	462756.83	4555.39
#600C-003-GW	North Side Adjacent Ground	168868.07	462757.26	4552.91
#600C-004-GW	OPUS #2294	167584.70	461779.11	4494.35
#600C-004-GW	Brass Cap	167605.73	461801.28	4497.48
#600C-004-GW	North Side Top PVC	167605.45	461801.01	4499.65
#600C-004-GW	North Side Adjacent Ground	167606.21	461801.62	4497.00

Note: All measurements were conducted in accordance with standard surveying practices to ensure the integrity of groundwater monitoring data.

6.0 Surveyor Certification

Surveying measurements and this report were prepared by Construction Surveying Services on behalf of Tetra Tech. The survey measurements performed, and preparation of this report were performed under the direction of Steven Sandoval, a Registered Professional Land Surveyor in the State of New Mexico, and are true and correct to the best of my knowledge and belief.



Steven J. Sandoval NMPS No. 12351 Date: ***February 5, 2026***

Exhibit A

North Well No.600C-003-GW

32.52245783,-106.6464389

Latitude	N32° 31′ 20.84818″
Longitude	W106°38'47.17991"
Northing (meters)	168866.58
Easting (meters)	462756.83
Elevation (feet)	4555.39

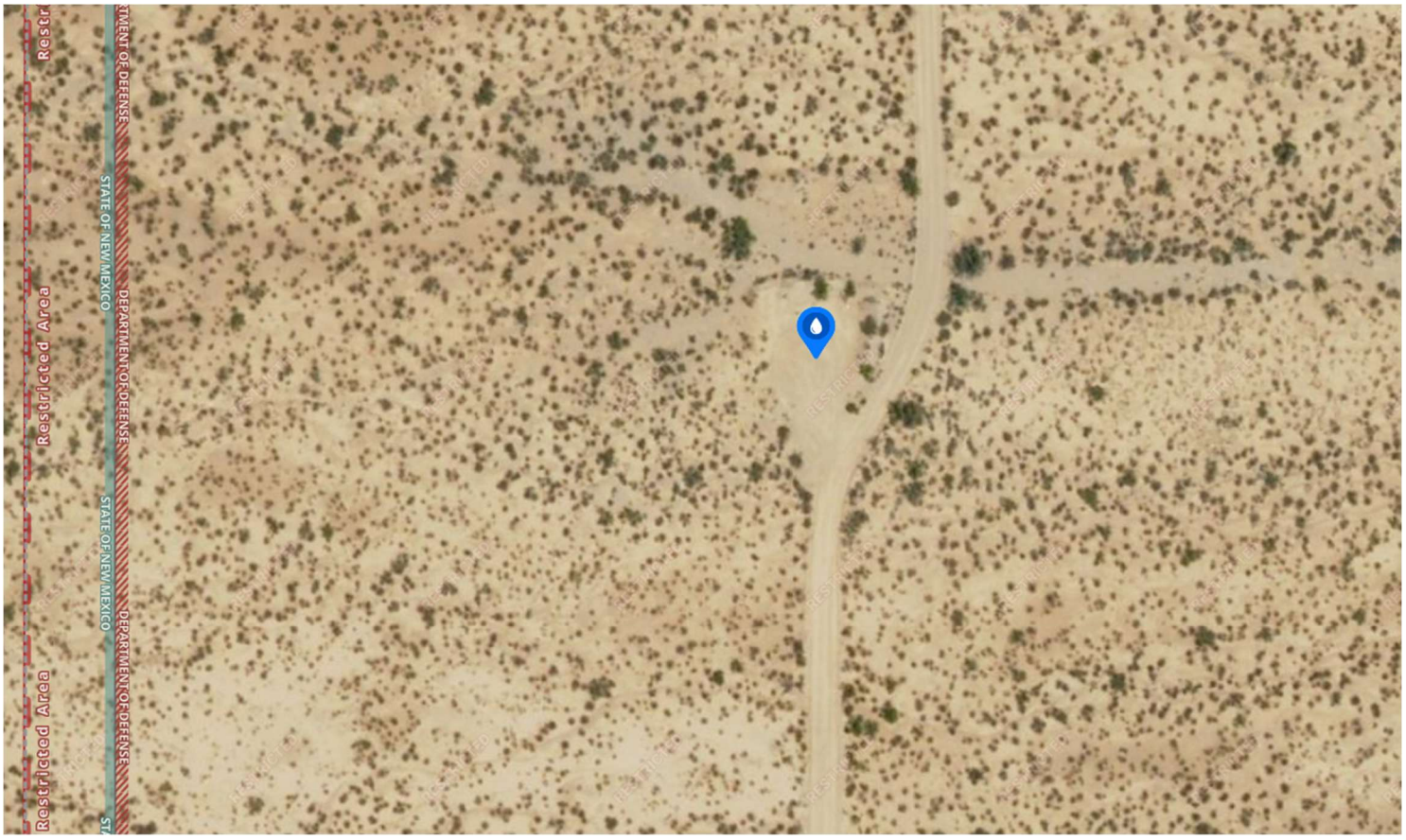
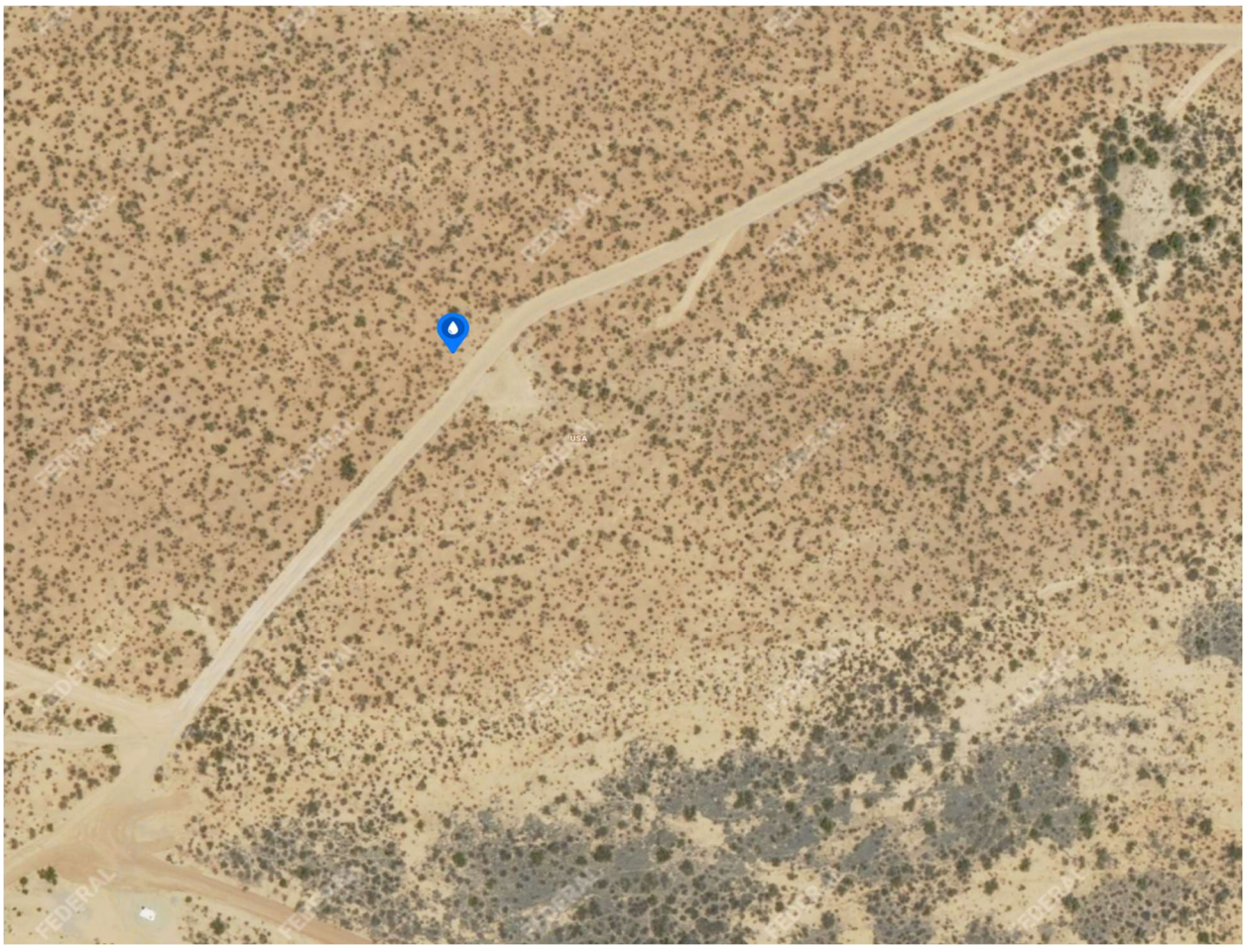


Exhibit B

South Well No.600C-004-GW

32.51105246,-106.6565618

Latitude	N32° 30′ 39.78886″
Longitude	W106°39'23.62252"
Northing(meters)	167605.45
Easting(meters)	461801.01
Elevation(feet)	4499.65



			HORIZONTAL	NAD83		Vertical	NAVD88				
		STATE PLANE 3002 NM CENTRAL									
		US SURVEY FUS SURVEY FT		Meters	Meters	*ELEVATION*					
Monitoring Well #	Point Description	Easting	Northing	Northing	Easting	US SURVEY FT					
#600C-003	**Opus Point**	1518219.8	553930.0	168838.20	462754.31	4552.48		**Compare to opus**	Monitoring Well	**Latitude**	**Longitude**
#600C-003	**N Side Top PVC**	1518228.0	554023.1	168866.58	462756.83	4555.39			#600C-003	N32° 31' 20.84818"	W106°38'47.17991"
#600C-003	**N Side Ground**	1518229.4	554028.0	168868.07	462757.26	4552.91				32.52245783	-106.6464389
#600C-003	**Center Brass Cap**	1518229.2	554022.6	168866.41	462757.19	4553.24					
#600C-003	**N Side Conc**	1518228.4	554024.7	168867.07	462756.95	4553.22					
#600C-004	**Opus Point**	1515020.3	549817.5	167584.70	461779.11	4494.35		**Compare to opus**			
#600C-004	**N Side Top PVC**	1515092.1	549885.6	167605.45	461801.01	4499.65			#600C-004	N32° 30' 39.78886"	W106°39'23.62252"
#600C-004	**N Side Ground**	1515094.1	549888.0	167606.21	461801.62	4497.00				32.51105246	-106.6565618
#600C-004	**Center Brass Cap**	1515093.0	549886.5	167605.73	461801.28	4497.48					
#600C-004	**N Side Conc**	1515093.4	549886.9	167605.85	461801.39	4497.43					
#600C-005-GW	**BASE IR # 100**	1509753.0	551439.6	168079.11	460173.62	4417.03		**Checked into previous survey.**			

OPUS DATA:

NGS OPUS SOLUTION REPORT
==========

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: https://www.ngs.noaa.gov/OPUS/about.jsp#accuracy

USER: kw3m2.km@gmail.com DATE: January 19, 2026
RINEX FILE: sout014r.26o TIME: 18:56:27 UTC

SOFTWARE: page5 2008.25 master253.pl 160321 START: 2026/01/14 17:11:00
EPHEMERIS: igr24013.eph [rapid] STOP: 2026/01/14 19:22:00
NAV FILE: brdc0140.26n OBS USED: 6701 / 6888 : 97%
ANT NAME: STXS10SX017A NONE # FIXED AMB: 48 / 49 : 98%
ARP HEIGHT: 1.673 OVERALL RMS: 0.016(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2020 (EPOCH:2026.0377)

X:	-1543534.904(m)	0.008(m)	-1543535.849(m) 0.008(m)
Y:	-5159000.932(m)	0.006(m)	-5158999.537(m) 0.006(m)
Z:	3409062.875(m)	0.012(m)	3409062.655(m) 0.012(m)

LAT:	32 30 39.11238	0.009(m)	32 30 39.12494 0.009(m)
E LON:	253 20 35.54196	0.006(m)	253 20 35.49199 0.006(m)
W LON:	106 39 24.45804	0.006(m)	106 39 24.50801 0.006(m)
EL HGT:	1346.376(m)	0.011(m)	1345.359(m) 0.011(m)
ORTHO HGT:	1369.971(m)	0.074(m)	[NAVD88 (Computed using GEOID18)]

	UTM COORDINATES (UTM (Zone 13))	STATE PLANE COORDINATES (SPC (3002 NM C))
Northing (Y) [meters]	3598273.015	167584.713
Easting (X) [meters]	344371.641	461779.110
Convergence [degrees]	-0.89063889	-0.21863889
Point Scale	0.99989867	0.99991801
Combined Factor	0.99968734	0.99970668

US NATIONAL GRID DESIGNATOR: 13SCR4437198273(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG7419	P026 HATCHARPT_NM2004 CORS GRP	N323932.243	W1071141.500	53131.4
DL3528	TXWT EL PASO W AREAOFF CORS ARP	N315212.399	W1062633.615	73880.9
DK7582	P027 APACHEPNT_NM2007 CORS GRP	N324806.674	W1054814.935	86295.6

NEAREST NGS PUBLISHED CONTROL POINT

CX1670	JORNADA	N322841.992	W1064411.176	8309.2

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

NGS OPUS SOLUTION REPORT
==========

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: https://www.ngs.noaa.gov/OPUS/about.jsp#accuracy

USER: kw3m2.km@gmail.com DATE: January 19, 2026
RINEX FILE: nort014w.26o TIME: 18:57:57 UTC

SOFTWARE: page5 2008.25 master296.pl 160321 START: 2026/01/14 22:13:00
EPHEMERIS: igr24013.eph [rapid] STOP: 2026/01/15 00:33:00
NAV FILE: brdc0140.26n OBS USED: 4256 / 6417 : 66%
ANT NAME: STXS10SX017A NONE # FIXED AMB: 78 / 78 : 100%
ARP HEIGHT: 1.628 OVERALL RMS: 0.011(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2020 (EPOCH:2026.0383)

X:	-1542415.439(m)	0.005(m)	-1542416.384(m) 0.005(m)
Y:	-5158645.759(m)	0.011(m)	-5158644.364(m) 0.011(m)
Z:	3410132.821(m)	0.004(m)	3410132.601(m) 0.004(m)

LAT:	32 31 19.92796	0.004(m)	32 31 19.94052 0.004(m)
E LON:	253 21 12.72751	0.004(m)	253 21 12.67754 0.004(m)
W LON:	106 38 47.27249	0.004(m)	106 38 47.32246 0.004(m)
EL HGT:	1364.085(m)	0.011(m)	1363.068(m) 0.011(m)
ORTHO HGT:	1387.615(m)	0.072(m)	[NAVD88 (Computed using GEOID18)]

	UTM COORDINATES (UTM (Zone 13))	STATE PLANE COORDINATES (SPC (3002 NM C))
Northing (Y) [meters]	3599514.994	168838.243
Easting (X) [meters]	345361.446	462754.298
Convergence [degrees]	-0.88535833	-0.21315278
Point Scale	0.99989488	0.99991710
Combined Factor	0.99968077	0.99970299

US NATIONAL GRID DESIGNATOR: 13SCR4536199514(NAD 83)

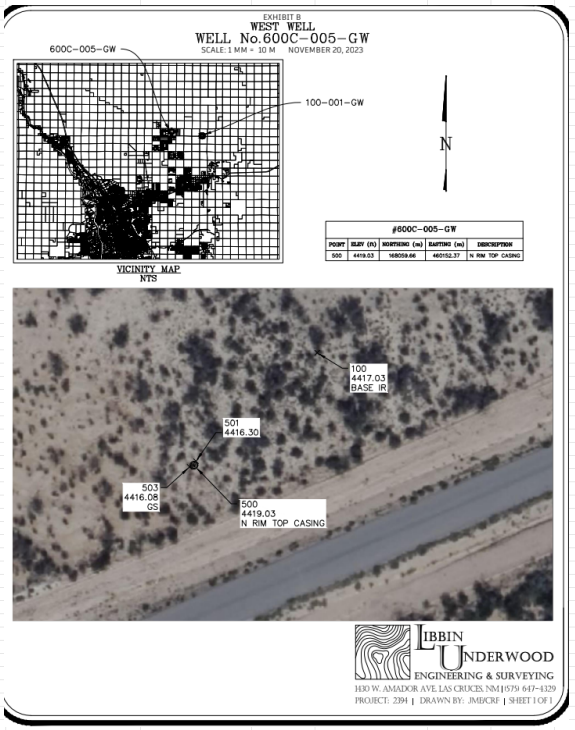
BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DK7582	P027 APACHEPNT_NM2007 CORS GRP	N324806.674	W1054814.935	84925.3
DG7419	P026 HATCHARPT_NM2004 CORS GRP	N323932.243	W1071141.500	53682.9
DM3997	NMSU NM STATE UNIV CORS ARP	N321627.352	W1064440.810	29011.9

NEAREST NGS PUBLISHED CONTROL POINT

CX1670	JORNADA	N322841.992	W1064411.176	9755.1

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.



Appendix G
Investigation-Derived Waste Documentation

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NM8800019434	1	575-524-5460	027370527 JJK

GENERATOR

5. Generator's Name and Mailing Address
NASA WHITE SANDS TEST FACILITY
PO BOX 20
LAS CRUCES, NM 88004
Generator's Phone:

Generator's Site Address (if different than mailing address)
NASA WHITE SANDS TEST FACILITY
12600 NASA RD
LAS CRUCES, NM 88012

6. Transporter 1 Company Name: Etech Environmental — U.S. EPA ID Number: TXR000085290

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CHARTER WASTE LANDFILL
12035 W MURPHY
ODESSA, TX 79769 (432) 381-4722
Facility's Phone: — U.S. EPA ID Number: H2158

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. IDW GW 3412 26 5266	3	CM	2 ~~99~~	Tons P G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
REPUBLIC SERVICES CUSTOMER #333478 EXPIRES: 02-12-2027

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael Zigmond — Signature: Michael Zigmond — Month: 02 Day: 18 Year: 26

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Michael Ward — Signature: [signature] — Month: 02 Day: 25 Year: 26

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year: 02 26

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NM8800019434	1	575-524-5460	027370530 JJK

GENERATOR

5. Generator's Name and Mailing Address
NASA WHITE SANDS TEST FACILITY
PO BOX 20
LAS CRUCES, NM 88004

Generator's Site Address (if different than mailing address)
NASA WHITE SANDS TEST FACILITY
12600 NASA RD
LAS CRUCES, NM 88012

Generator's Phone:

6. Transporter 1 Company Name: Eagle Environmental — U.S. EPA ID Number: TXR000085290

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CHARTER WASTE LANDFILL
12036 W MURPHY
ODESSA, TX 79769 (432) 381-4722

U.S. EPA ID Number: H2158

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. DW SOLIDS 3412 26 5253	1	CM	15 roll-off	P	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
REPUBLIC SERVICES CUSTOMER #333478 EXPIRES: 02-12-2027

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael Zigmond — Signature: Michael Zigmond — Month: 02 Day: 18 Year: 26

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Michael Ward — Signature: [signature] — Month: 02 Day: 25 Year: 26

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: L-G — Signature: [signature] — Month: 02 Day: 27 Year: 26

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Damphousse
Tetra Tech Inc
661 ANdersen Drive
Foster Plaza 7
Suite 200
Pittsburgh, Pennsylvania 15220

Generated 1/28/2026 8:53:46 AM

JOB DESCRIPTION

White Sands Test Facility, NM

JOB NUMBER

410-260956-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
1/28/2026 8:53:46 AM

Authorized for release by
Stephen Gordon, Senior Project Manager
Stephen.Gordon@et.eurofinsus.com
(412)525-0071

Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· 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.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Tetra Tech Inc
Job ID: 410-260956-1
Project/Site: White Sands Test Facility, NM

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M	Manual integrated compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M	Manual integrated compound.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
D	The reported value is from a dilution.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-260956-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 1/10/2026 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

Receipt Exceptions
A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA
Method 8260D: The following analyte(s) recovered outside control limits for the LCS/LCSD associated with 410-759660: Trichlorofluoromethane . This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The continuing calibration verification (CCV) associated with batch 410-758016 recovered above the upper control limit for 2,4-Dinitrophenol, Hexachlorocyclopentadiene and 2-Nitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E: The initial calibration verification (ICV) result for batch 410-758016 was above the upper control limit. The affected analyte is: Hexachlorocyclopentadiene. Sample results were non-detects, and have been reported as qualified data.

Method 8270E: The laboratory control sample (LCS) for preparation batch 410-756868 and analytical batch 410-757801 recovered outside control limits for several analytes. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B - Total Recoverable: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of 6: 2601081200 (410-260956-3) and could not be adjusted. This does not meet regulatory requirements.

Method 6020B - Total Recoverable: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of 4: 2601090830 (410-260956-4) and could not be adjusted. This does not meet regulatory requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Client Sample ID: 2601081155 — Lab Sample ID: 410-260956-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.8	J	22	18	6.6	ug/Kg	1	☼	8260D	Total/NA
Arsenic	7.73	D	0.390	0.312	0.131	mg/Kg	2	☼	6020B	Total/NA
Barium	130	D	0.390	0.359	0.211	mg/Kg	2	☼	6020B	Total/NA
Cadmium	0.115	D	0.0975	0.0780	0.0390	mg/Kg	2	☼	6020B	Total/NA
Chromium	9.57	D	0.390	0.372	0.372	mg/Kg	2	☼	6020B	Total/NA
Lead	6.64	D	0.195	0.156	0.0741	mg/Kg	2	☼	6020B	Total/NA
Selenium	0.112	J D	0.390	0.195	0.0975	mg/Kg	2	☼	6020B	Total/NA

Client Sample ID: 2601081405 — Lab Sample ID: 410-260956-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10	J	20	16	5.9	ug/Kg	1	☼	8260D	Total/NA
Arsenic	2.22	D	0.376	0.301	0.126	mg/Kg	2	☼	6020B	Total/NA
Barium	83.9	D	0.376	0.346	0.203	mg/Kg	2	☼	6020B	Total/NA
Cadmium	0.0844	J D	0.0940	0.0752	0.0376	mg/Kg	2	☼	6020B	Total/NA
Chromium	7.52	D	0.376	0.359	0.359	mg/Kg	2	☼	6020B	Total/NA
Lead	5.88	D	0.188	0.150	0.0714	mg/Kg	2	☼	6020B	Total/NA

Client Sample ID: 2601081200 — Lab Sample ID: 410-260956-3

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	J	20	2.0	0.70	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	1.3	J	10	1.0	1.0	ug/L	1		8260D	Total/NA
N-Nitrosodiphenylamine	0.48	*+ cn	0.20	0.20	0.099	ug/L	1		8270E	Total/NA
N-Nitrosodimethylamine	0.33	J cn	1.0	1.0	0.30	ug/L	1		8270E	Total/NA
Arsenic	1110	cn	50.0	42.5	17.0	ug/L	1		6020B	Total Recoverable
Barium	96900	cn	50.0	40.0	18.7	ug/L	1		6020B	Total Recoverable
Cadmium	31.0	cn	12.5	10.0	3.78	ug/L	1		6020B	Total Recoverable
Chromium	2590	cn	50.0	27.5	13.8	ug/L	1		6020B	Total Recoverable
Lead	1380	cn	12.5	6.00	3.00	ug/L	1		6020B	Total Recoverable
Selenium	12.3	J cn	25.0	15.0	6.95	ug/L	1		6020B	Total Recoverable

Client Sample ID: 2601090830 — Lab Sample ID: 410-260956-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	69		20	2.0	0.70	ug/L	1		8260D	Total/NA
N-Nitrosodiphenylamine	0.29	*+ cn	0.13	0.13	0.066	ug/L	1		8270E	Total/NA
N-Nitrosodimethylamine	0.94	cn	0.66	0.66	0.20	ug/L	1		8270E	Total/NA
Arsenic	634	cn	50.0	42.5	17.0	ug/L	1		6020B	Total Recoverable
Barium	40700	cn	50.0	40.0	18.7	ug/L	1		6020B	Total Recoverable
Cadmium	23.3	cn	12.5	10.0	3.78	ug/L	1		6020B	Total Recoverable
Chromium	2080	cn	50.0	27.5	13.8	ug/L	1		6020B	Total Recoverable
Lead	1030	cn	12.5	6.00	3.00	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2601090830 (Continued)
Lab Sample ID: 410-260956-4

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Selenium	9.70	J cn	25.0	15.0	6.95	ug/L	1		6020B	Total Recoverable
Silver	2.57	J cn	12.5	7.50	2.50	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Client Sample ID: 2601081155
Date Collected: 01/08/26 11:55
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-1
Matrix: Solid
Percent Solids: 82.1

Method: SW846 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<1.1		5.5	1.1	0.66	ug/Kg	☼	01/13/26 14:16	1
trans-1,3-Dichloropropene	<1.1		5.5	1.1	0.66	ug/Kg	☼	01/13/26 14:16	1
Ethylbenzene	<2.2		5.5	2.2	1.1	ug/Kg	☼	01/13/26 14:16	1
Styrene	<2.2		5.5	2.2	0.99	ug/Kg	☼	01/13/26 14:16	1
1,4-Dichlorobenzene	<2.2		5.5	2.2	0.99	ug/Kg	☼	01/13/26 14:16	1
1,2-Dibromoethane	<2.2		5.5	2.2	0.77	ug/Kg	☼	01/13/26 14:16	1
1,2-Dichloroethane	<2.2		5.5	2.2	0.66	ug/Kg	☼	01/13/26 14:16	1
1,2,3-Trichlorobenzene	<8.8		11	8.8	5.5	ug/Kg	☼	01/13/26 14:16	1
4-Methyl-2-pentanone (MIBK)	<4.4		11	4.4	2.2	ug/Kg	☼	01/13/26 14:16	1
1,2,3-Trichloropropane	<2.2		5.5	2.2	0.77	ug/Kg	☼	01/13/26 14:16	1
Methylcyclohexane	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
Toluene	<2.2		5.5	2.2	1.1	ug/Kg	☼	01/13/26 14:16	1
1,2,4-Trimethylbenzene	<2.2		5.5	2.2	1.1	ug/Kg	☼	01/13/26 14:16	1
Chlorobenzene	<2.2		5.5	2.2	0.99	ug/Kg	☼	01/13/26 14:16	1
Cyclohexane	<2.2		5.5	2.2	0.99	ug/Kg	☼	01/13/26 14:16	1
1,2,4-Trichlorobenzene	<8.8		11	8.8	5.5	ug/Kg	☼	01/13/26 14:16	1
Dibromochloromethane	<1.1		5.5	1.1	0.55	ug/Kg	☼	01/13/26 14:16	1
Xylenes, Total	<2.2		11	2.2	0.77	ug/Kg	☼	01/13/26 14:16	1
Tetrachloroethene	<3.3		5.5	3.3	1.7	ug/Kg	☼	01/13/26 14:16	1
cis-1,2-Dichloroethene	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
trans-1,2-Dichloroethene	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
Methyl tert-butyl ether	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
1,3-Dichlorobenzene	<2.2		5.5	2.2	1.1	ug/Kg	☼	01/13/26 14:16	1
Carbon tetrachloride	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
1,4-Dioxane	<110		280	110	41	ug/Kg	☼	01/13/26 14:16	1
2-Hexanone	<5.5		11	5.5	2.8	ug/Kg	☼	01/13/26 14:16	1
Acetone	**7.8**	**J**	22	18	6.6	ug/Kg	☼	01/13/26 14:16	1
Chloroform	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
Benzene	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
1,1,1-Trichloroethane	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
Bromomethane	<2.2		5.5	2.2	1.1	ug/Kg	☼	01/13/26 14:16	1
Chloromethane	<2.2		5.5	2.2	1.1	ug/Kg	☼	01/13/26 14:16	1
Chloroethane	<4.4		5.5	4.4	1.1	ug/Kg	☼	01/13/26 14:16	1
Vinyl chloride	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
Methylene Chloride	<4.4		5.5	4.4	2.2	ug/Kg	☼	01/13/26 14:16	1
Carbon disulfide	<2.2	M	5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
Bromoform	<8.8		11	8.8	5.5	ug/Kg	☼	01/13/26 14:16	1
Bromodichloromethane	<2.2		5.5	2.2	0.77	ug/Kg	☼	01/13/26 14:16	1
1,1-Dichloroethane	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
1,1-Dichloroethene	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
Trichlorofluoromethane	<2.2		5.5	2.2	1.1	ug/Kg	☼	01/13/26 14:16	1
Dichlorodifluoromethane	<2.2		5.5	2.2	1.1	ug/Kg	☼	01/13/26 14:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<2.2		11	2.2	0.99	ug/Kg	☼	01/13/26 14:16	1
1,2-Dichloropropane	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
2-Butanone (MEK)	<4.4		11	4.4	2.2	ug/Kg	☼	01/13/26 14:16	1
Bromochloromethane	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
1,1,2-Trichloroethane	<2.2		5.5	2.2	0.77	ug/Kg	☼	01/13/26 14:16	1
Trichloroethene	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
Methyl acetate	<4.4		5.5	4.4	1.1	ug/Kg	☼	01/13/26 14:16	1

Client Sample ID: 2601081155
Lab Sample ID: 410-260956-1
Date Collected: 01/08/26 11:55
Matrix: Solid
Date Received: 01/10/26 11:10
Percent Solids: 82.1

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
1,2-Dichlorobenzene	<2.2		5.5	2.2	0.99	ug/Kg	☼	01/13/26 14:16	1
1,2-Dibromo-3-Chloropropane	<2.2		5.5	2.2	0.88	ug/Kg	☼	01/13/26 14:16	1
Isopropylbenzene	<3.3		5.5	3.3	1.7	ug/Kg	☼	01/13/26 14:16	1
m-Xylene & p-Xylene	<4.4		5.5	4.4	2.2	ug/Kg	☼	01/13/26 14:16	1
o-Xylene	<2.2		5.5	2.2	1.1	ug/Kg	☼	01/13/26 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*71 - 136*	*01/12/26 06:38*	*01/13/26 14:16*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 119*	*01/12/26 06:38*	*01/13/26 14:16*	*1*
4-Bromofluorobenzene (Surr)	*94*		*79 - 119*	*01/12/26 06:38*	*01/13/26 14:16*	*1*
Toluene-d8 (Surr)	*94*		*85 - 116*	*01/12/26 06:38*	*01/13/26 14:16*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
2,4-Dichlorophenol	<48		52	48	24	ug/Kg	☼	01/20/26 08:07	1
2,4-Dimethylphenol	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
2,4-Dinitrophenol	<1000	M ^c cn	1200	1000	500	ug/Kg	☼	01/20/26 08:07	1
2,4-Dinitrotoluene	<80		200	80	40	ug/Kg	☼	01/20/26 08:07	1
2,4,5-Trichlorophenol	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
2,4,6-Trichlorophenol	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
bis (2-chloroisopropyl) ether	<48		52	48	24	ug/Kg	☼	01/20/26 08:07	1
Di-n-butyl phthalate	<160		200	160	80	ug/Kg	☼	01/20/26 08:07	1
Di-n-octyl phthalate	<160	M	200	160	80	ug/Kg	☼	01/20/26 08:07	1
Benzo[a]anthracene	<16		20	16	4.0	ug/Kg	☼	01/20/26 08:07	1
Benzo[a]pyrene	<8.0	M	20	8.0	4.0	ug/Kg	☼	01/20/26 08:07	1
Benzo[b]fluoranthene	<8.0	M	20	8.0	4.0	ug/Kg	☼	01/20/26 08:07	1
Benzo[g,h,i]perylene	<8.0		20	8.0	4.0	ug/Kg	☼	01/20/26 08:07	1
Benzo[k]fluoranthene	<8.0		20	8.0	4.0	ug/Kg	☼	01/20/26 08:07	1
Acenaphthene	<8.0		20	8.0	4.0	ug/Kg	☼	01/20/26 08:07	1
Acenaphthylene	<9.6		20	9.6	4.8	ug/Kg	☼	01/20/26 08:07	1
Acetophenone	<40		60	40	20	ug/Kg	☼	01/20/26 08:07	1
Anthracene	<8.0		20	8.0	4.0	ug/Kg	☼	01/20/26 08:07	1
Atrazine	<160	M	200	160	80	ug/Kg	☼	01/20/26 08:07	1
Benzaldehyde	<80		200	80	40	ug/Kg	☼	01/20/26 08:07	1
Butyl benzyl phthalate	<160		200	160	80	ug/Kg	☼	01/20/26 08:07	1
Caprolactam	<80	M	200	80	40	ug/Kg	☼	01/20/26 08:07	1
Carbazole	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
Chrysene	<8.0		20	8.0	4.0	ug/Kg	☼	01/20/26 08:07	1
Dibenz(a,h)anthracene	<16		20	16	8.0	ug/Kg	☼	01/20/26 08:07	1
Dibenzofuran	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
Diethyl phthalate	<160		200	160	80	ug/Kg	☼	01/20/26 08:07	1
Dimethyl phthalate	<160		200	160	80	ug/Kg	☼	01/20/26 08:07	1
Hexachlorobenzene	<40		40	40	20	ug/Kg	☼	01/20/26 08:07	1
Hexachlorobutadiene	<48		60	48	24	ug/Kg	☼	01/20/26 08:07	1
Hexachlorocyclopentadiene	<400	^c cn	600	400	200	ug/Kg	☼	01/20/26 08:07	1
Hexachloroethane	<80		200	80	40	ug/Kg	☼	01/20/26 08:07	1
Fluoranthene	<8.0		20	8.0	4.0	ug/Kg	☼	01/20/26 08:07	1
Fluorene	<8.0		20	8.0	4.0	ug/Kg	☼	01/20/26 08:07	1

Client Sample ID: 2601081155
Date Collected: 01/08/26 11:55
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-1
Matrix: Solid
Percent Solids: 82.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<9.6	M	20	9.6	4.8	ug/Kg	☼	01/20/26 08:07	1
Isophorone	<40		80	40	20	ug/Kg	☼	01/20/26 08:07	1
N-Nitrosodi-n-propylamine	<60		80	60	40	ug/Kg	☼	01/20/26 08:07	1
N-Nitrosodiphenylamine	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
Naphthalene	<16		20	16	8.0	ug/Kg	☼	01/20/26 08:07	1
Nitrobenzene	<40	M	44	40	20	ug/Kg	☼	01/20/26 08:07	1
Pentachlorophenol	<160		200	160	80	ug/Kg	☼	01/20/26 08:07	1
Phenanthrene	<9.6		20	9.6	4.8	ug/Kg	☼	01/20/26 08:07	1
Phenol	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
Pyrene	<8.0	M	20	8.0	4.0	ug/Kg	☼	01/20/26 08:07	1
2-Chloronaphthalene	<32		40	32	16	ug/Kg	☼	01/20/26 08:07	1
2-Chlorophenol	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
2-Methylnaphthalene	<12		20	12	6.0	ug/Kg	☼	01/20/26 08:07	1
2-Methylphenol	<48		60	48	24	ug/Kg	☼	01/20/26 08:07	1
2-Nitroaniline	<40	M	60	40	20	ug/Kg	☼	01/20/26 08:07	1
2-Nitrophenol	<48	^c cn	60	48	24	ug/Kg	☼	01/20/26 08:07	1
3,3'-Dichlorobenzidine	<320		400	320	200	ug/Kg	☼	01/20/26 08:07	1
2-Methyl-4,6-dinitrophenol	<400		600	400	200	ug/Kg	☼	01/20/26 08:07	1
3,4-Methylphenol	<40		60	40	20	ug/Kg	☼	01/20/26 08:07	1
4-Nitroaniline	<80		200	80	40	ug/Kg	☼	01/20/26 08:07	1
4-Nitrophenol	<400		600	400	200	ug/Kg	☼	01/20/26 08:07	1
Bis(2-chloroethoxy)methane	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
Bis(2-chloroethyl)ether	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
Bis(2-ethylhexyl) phthalate	<160		200	160	80	ug/Kg	☼	01/20/26 08:07	1
2,6-Dinitrotoluene	<40	M	44	40	20	ug/Kg	☼	01/20/26 08:07	1
4-Chloro-3-methylphenol	<48		60	48	24	ug/Kg	☼	01/20/26 08:07	1
4-Chloroaniline	<80		200	80	40	ug/Kg	☼	01/20/26 08:07	1
4-Chlorophenyl phenyl ether	<40		44	40	20	ug/Kg	☼	01/20/26 08:07	1
N-Nitrosodimethylamine	<80		200	80	40	ug/Kg	☼	01/20/26 08:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*113*		*39 - 132*	*01/17/26 02:17*	*01/20/26 08:07*	*1*
2-Fluorobiphenyl (Surr)	*91*		*44 - 115*	*01/17/26 02:17*	*01/20/26 08:07*	*1*
2-Fluorophenol (Surr)	*84*		*35 - 115*	*01/17/26 02:17*	*01/20/26 08:07*	*1*
Nitrobenzene-d5 (Surr)	*82*		*37 - 122*	*01/17/26 02:17*	*01/20/26 08:07*	*1*
p-Terphenyl-d14 (Surr)	*120*		*54 - 127*	*01/17/26 02:17*	*01/20/26 08:07*	*1*
Phenol-d5 (Surr)	*88*		*33 - 122*	*01/17/26 02:17*	*01/20/26 08:07*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**7.73**	**D**	0.390	0.312	0.131	mg/Kg	☼	01/14/26 23:56	2
Barium	**130**	**D**	0.390	0.359	0.211	mg/Kg	☼	01/14/26 23:56	2
Cadmium	**0.115**	**D**	0.0975	0.0780	0.0390	mg/Kg	☼	01/14/26 23:56	2
Chromium	**9.57**	**D**	0.390	0.372	0.372	mg/Kg	☼	01/14/26 23:56	2
Lead	**6.64**	**D**	0.195	0.156	0.0741	mg/Kg	☼	01/14/26 23:56	2
Selenium	**0.112**	**J D**	0.390	0.195	0.0975	mg/Kg	☼	01/14/26 23:56	2
Silver	<0.0780		0.0975	0.0780	0.0390	mg/Kg	☼	01/14/26 23:56	2

Client Sample ID: 2601081155

Date Collected: 01/08/26 11:55
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-1

Matrix: Solid
Percent Solids: 82.1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	<0.0487		0.0731	0.0487	0.0244	mg/Kg	☼	01/14/26 20:50	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	17.9		1.0		1.0	%		01/12/26 11:39	1

Client Sample ID: 2601081405

Date Collected: 01/08/26 14:05
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-2

Matrix: Solid
Percent Solids: 84.4

Method: SW846 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.99		4.9	0.99	0.59	ug/Kg	☼	01/13/26 14:38	1
trans-1,3-Dichloropropene	<0.99		4.9	0.99	0.59	ug/Kg	☼	01/13/26 14:38	1
Ethylbenzene	<2.0		4.9	2.0	0.99	ug/Kg	☼	01/13/26 14:38	1
Styrene	<2.0		4.9	2.0	0.89	ug/Kg	☼	01/13/26 14:38	1
1,4-Dichlorobenzene	<2.0		4.9	2.0	0.89	ug/Kg	☼	01/13/26 14:38	1
1,2-Dibromoethane	<2.0		4.9	2.0	0.69	ug/Kg	☼	01/13/26 14:38	1
1,2-Dichloroethane	<2.0		4.9	2.0	0.59	ug/Kg	☼	01/13/26 14:38	1
1,2,3-Trichlorobenzene	<7.9		9.9	7.9	4.9	ug/Kg	☼	01/13/26 14:38	1
4-Methyl-2-pentanone (MIBK)	<3.9		9.9	3.9	2.0	ug/Kg	☼	01/13/26 14:38	1
1,2,3-Trichloropropane	<2.0	M	4.9	2.0	0.69	ug/Kg	☼	01/13/26 14:38	1
Methylcyclohexane	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
Toluene	<2.0		4.9	2.0	0.99	ug/Kg	☼	01/13/26 14:38	1
1,2,4-Trimethylbenzene	<2.0		4.9	2.0	0.99	ug/Kg	☼	01/13/26 14:38	1
Chlorobenzene	<2.0		4.9	2.0	0.89	ug/Kg	☼	01/13/26 14:38	1
Cyclohexane	<2.0		4.9	2.0	0.89	ug/Kg	☼	01/13/26 14:38	1
1,2,4-Trichlorobenzene	<7.9		9.9	7.9	4.9	ug/Kg	☼	01/13/26 14:38	1
Dibromochloromethane	<0.99		4.9	0.99	0.49	ug/Kg	☼	01/13/26 14:38	1
Xylenes, Total	<2.0		9.9	2.0	0.69	ug/Kg	☼	01/13/26 14:38	1
Tetrachloroethene	<3.0		4.9	3.0	1.5	ug/Kg	☼	01/13/26 14:38	1
cis-1,2-Dichloroethene	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
trans-1,2-Dichloroethene	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
Methyl tert-butyl ether	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
1,3-Dichlorobenzene	<2.0		4.9	2.0	0.99	ug/Kg	☼	01/13/26 14:38	1
Carbon tetrachloride	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
1,4-Dioxane	<99		250	99	36	ug/Kg	☼	01/13/26 14:38	1
2-Hexanone	<4.9		9.9	4.9	2.5	ug/Kg	☼	01/13/26 14:38	1
Acetone	10	J	20	16	5.9	ug/Kg	☼	01/13/26 14:38	1
Chloroform	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
Benzene	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
1,1,1-Trichloroethane	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
Bromomethane	<2.0		4.9	2.0	0.99	ug/Kg	☼	01/13/26 14:38	1
Chloromethane	<2.0		4.9	2.0	0.99	ug/Kg	☼	01/13/26 14:38	1
Chloroethane	<3.9		4.9	3.9	0.99	ug/Kg	☼	01/13/26 14:38	1
Vinyl chloride	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
Methylene Chloride	<3.9		4.9	3.9	2.0	ug/Kg	☼	01/13/26 14:38	1
Carbon disulfide	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
Bromoform	<7.9		9.9	7.9	4.9	ug/Kg	☼	01/13/26 14:38	1
Bromodichloromethane	<2.0		4.9	2.0	0.69	ug/Kg	☼	01/13/26 14:38	1

Client Sample ID: 2601081405
Date Collected: 01/08/26 14:05
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-2
Matrix: Solid
Percent Solids: 84.4

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1-Dichloroethane	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
1,1-Dichloroethene	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
Trichlorofluoromethane	<2.0		4.9	2.0	0.99	ug/Kg	☼	01/13/26 14:38	1
Dichlorodifluoromethane	<2.0		4.9	2.0	0.99	ug/Kg	☼	01/13/26 14:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<2.0		9.9	2.0	0.89	ug/Kg	☼	01/13/26 14:38	1
1,2-Dichloropropane	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
2-Butanone (MEK)	<3.9	M	9.9	3.9	2.0	ug/Kg	☼	01/13/26 14:38	1
Bromochloromethane	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
1,1,2-Trichloroethane	<2.0		4.9	2.0	0.69	ug/Kg	☼	01/13/26 14:38	1
Trichloroethene	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
Methyl acetate	<3.9		4.9	3.9	0.99	ug/Kg	☼	01/13/26 14:38	1
1,1,2,2-Tetrachloroethane	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
1,2-Dichlorobenzene	<2.0		4.9	2.0	0.89	ug/Kg	☼	01/13/26 14:38	1
1,2-Dibromo-3-Chloropropane	<2.0		4.9	2.0	0.79	ug/Kg	☼	01/13/26 14:38	1
Isopropylbenzene	<3.0		4.9	3.0	1.5	ug/Kg	☼	01/13/26 14:38	1
m-Xylene & p-Xylene	<3.9		4.9	3.9	2.0	ug/Kg	☼	01/13/26 14:38	1
o-Xylene	<2.0		4.9	2.0	0.99	ug/Kg	☼	01/13/26 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*71 - 136*	*01/12/26 06:38*	*01/13/26 14:38*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 119*	*01/12/26 06:38*	*01/13/26 14:38*	*1*
4-Bromofluorobenzene (Surr)	*94*		*79 - 119*	*01/12/26 06:38*	*01/13/26 14:38*	*1*
Toluene-d8 (Surr)	*96*		*85 - 116*	*01/12/26 06:38*	*01/13/26 14:38*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
2,4-Dichlorophenol	<47		51	47	23	ug/Kg	☼	01/20/26 08:32	1
2,4-Dimethylphenol	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
2,4-Dinitrophenol	<990	^c cn	1200	990	490	ug/Kg	☼	01/20/26 08:32	1
2,4-Dinitrotoluene	<78		200	78	39	ug/Kg	☼	01/20/26 08:32	1
2,4,5-Trichlorophenol	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
2,4,6-Trichlorophenol	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
bis (2-chloroisopropyl) ether	<47		51	47	23	ug/Kg	☼	01/20/26 08:32	1
Di-n-butyl phthalate	<160		200	160	78	ug/Kg	☼	01/20/26 08:32	1
Di-n-octyl phthalate	<160	M	200	160	78	ug/Kg	☼	01/20/26 08:32	1
Benzo[a]anthracene	<16		20	16	3.9	ug/Kg	☼	01/20/26 08:32	1
Benzo[a]pyrene	<7.8	M	20	7.8	3.9	ug/Kg	☼	01/20/26 08:32	1
Benzo[b]fluoranthene	<7.8	M	20	7.8	3.9	ug/Kg	☼	01/20/26 08:32	1
Benzo[g,h,i]perylene	<7.8		20	7.8	3.9	ug/Kg	☼	01/20/26 08:32	1
Benzo[k]fluoranthene	<7.8		20	7.8	3.9	ug/Kg	☼	01/20/26 08:32	1
Acenaphthene	<7.8		20	7.8	3.9	ug/Kg	☼	01/20/26 08:32	1
Acenaphthylene	<9.4		20	9.4	4.7	ug/Kg	☼	01/20/26 08:32	1
Acetophenone	<39		59	39	20	ug/Kg	☼	01/20/26 08:32	1
Anthracene	<7.8		20	7.8	3.9	ug/Kg	☼	01/20/26 08:32	1
Atrazine	<160	M	200	160	78	ug/Kg	☼	01/20/26 08:32	1
Benzaldehyde	<78		200	78	39	ug/Kg	☼	01/20/26 08:32	1
Butyl benzyl phthalate	<160	M	200	160	78	ug/Kg	☼	01/20/26 08:32	1
Caprolactam	<78		200	78	39	ug/Kg	☼	01/20/26 08:32	1
Carbazole	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Client Sample ID: 2601081405
Date Collected: 01/08/26 14:05
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-2
Matrix: Solid
Percent Solids: 84.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chrysene	<7.8		20	7.8	3.9	ug/Kg	☼	01/20/26 08:32	1
Dibenz(a,h)anthracene	<16		20	16	7.8	ug/Kg	☼	01/20/26 08:32	1
Dibenzofuran	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
Diethyl phthalate	<160		200	160	78	ug/Kg	☼	01/20/26 08:32	1
Dimethyl phthalate	<160		200	160	78	ug/Kg	☼	01/20/26 08:32	1
Hexachlorobenzene	<39		39	39	20	ug/Kg	☼	01/20/26 08:32	1
Hexachlorobutadiene	<47		59	47	23	ug/Kg	☼	01/20/26 08:32	1
Hexachlorocyclopentadiene	<390	^c cn	590	390	200	ug/Kg	☼	01/20/26 08:32	1
Hexachloroethane	<78		200	78	39	ug/Kg	☼	01/20/26 08:32	1
Fluoranthene	<7.8		20	7.8	3.9	ug/Kg	☼	01/20/26 08:32	1
Fluorene	<7.8		20	7.8	3.9	ug/Kg	☼	01/20/26 08:32	1
Indeno[1,2,3-cd]pyrene	<9.4		20	9.4	4.7	ug/Kg	☼	01/20/26 08:32	1
Isophorone	<39		78	39	20	ug/Kg	☼	01/20/26 08:32	1
N-Nitrosodi-n-propylamine	<59		78	59	39	ug/Kg	☼	01/20/26 08:32	1
N-Nitrosodiphenylamine	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
Naphthalene	<16		20	16	7.8	ug/Kg	☼	01/20/26 08:32	1
Nitrobenzene	<39	M	43	39	20	ug/Kg	☼	01/20/26 08:32	1
Pentachlorophenol	<160		200	160	78	ug/Kg	☼	01/20/26 08:32	1
Phenanthrene	<9.4		20	9.4	4.7	ug/Kg	☼	01/20/26 08:32	1
Phenol	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
Pyrene	<7.8	M	20	7.8	3.9	ug/Kg	☼	01/20/26 08:32	1
2-Chloronaphthalene	<31		39	31	16	ug/Kg	☼	01/20/26 08:32	1
2-Chlorophenol	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
2-Methylnaphthalene	<12		20	12	5.9	ug/Kg	☼	01/20/26 08:32	1
2-Methylphenol	<47		59	47	23	ug/Kg	☼	01/20/26 08:32	1
2-Nitroaniline	<39	M	59	39	20	ug/Kg	☼	01/20/26 08:32	1
2-Nitrophenol	<47	^c cn	59	47	23	ug/Kg	☼	01/20/26 08:32	1
3,3'-Dichlorobenzidine	<310		390	310	200	ug/Kg	☼	01/20/26 08:32	1
2-Methyl-4,6-dinitrophenol	<390		590	390	200	ug/Kg	☼	01/20/26 08:32	1
3,4-Methylphenol	<39		59	39	20	ug/Kg	☼	01/20/26 08:32	1
4-Nitroaniline	<78		200	78	39	ug/Kg	☼	01/20/26 08:32	1
4-Nitrophenol	<390		590	390	200	ug/Kg	☼	01/20/26 08:32	1
Bis(2-chloroethoxy)methane	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
Bis(2-chloroethyl)ether	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
Bis(2-ethylhexyl) phthalate	<160		200	160	78	ug/Kg	☼	01/20/26 08:32	1
2,6-Dinitrotoluene	<39	M	43	39	20	ug/Kg	☼	01/20/26 08:32	1
4-Chloro-3-methylphenol	<47		59	47	23	ug/Kg	☼	01/20/26 08:32	1
4-Chloroaniline	<78		200	78	39	ug/Kg	☼	01/20/26 08:32	1
4-Chlorophenyl phenyl ether	<39		43	39	20	ug/Kg	☼	01/20/26 08:32	1
N-Nitrosodimethylamine	<78		200	78	39	ug/Kg	☼	01/20/26 08:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*39 - 132*	*01/17/26 02:17*	*01/20/26 08:32*	*1*
2-Fluorobiphenyl (Surr)	*84*		*44 - 115*	*01/17/26 02:17*	*01/20/26 08:32*	*1*
2-Fluorophenol (Surr)	*66*		*35 - 115*	*01/17/26 02:17*	*01/20/26 08:32*	*1*
Nitrobenzene-d5 (Surr)	*68*		*37 - 122*	*01/17/26 02:17*	*01/20/26 08:32*	*1*
p-Terphenyl-d14 (Surr)	*111*		*54 - 127*	*01/17/26 02:17*	*01/20/26 08:32*	*1*
Phenol-d5 (Surr)	*75*		*33 - 122*	*01/17/26 02:17*	*01/20/26 08:32*	*1*

Client Sample ID: 2601081405

Date Collected: 01/08/26 14:05
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-2

Matrix: Solid
Percent Solids: 84.4

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**2.22**	**D**	0.376	0.301	0.126	mg/Kg	☼	01/14/26 23:58	2
Barium	**83.9**	**D**	0.376	0.346	0.203	mg/Kg	☼	01/14/26 23:58	2
Cadmium	**0.0844**	**J D**	0.0940	0.0752	0.0376	mg/Kg	☼	01/14/26 23:58	2
Chromium	**7.52**	**D**	0.376	0.359	0.359	mg/Kg	☼	01/14/26 23:58	2
Lead	**5.88**	**D**	0.188	0.150	0.0714	mg/Kg	☼	01/14/26 23:58	2
Selenium	<0.188		0.376	0.188	0.0940	mg/Kg	☼	01/14/26 23:58	2
Silver	<0.0752		0.0940	0.0752	0.0376	mg/Kg	☼	01/14/26 23:58	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	<0.0437		0.0656	0.0437	0.0219	mg/Kg	☼	01/14/26 20:52	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**15.6**		1.0		1.0	%		01/12/26 11:39	1

Client Sample ID: 2601081200

Date Collected: 01/08/26 12:00
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.50		1.0	0.50	0.20	ug/L		01/22/26 23:17	1
trans-1,3-Dichloropropene	<0.50		1.0	0.50	0.20	ug/L		01/22/26 23:17	1
Ethylbenzene	<0.80		1.0	0.80	0.40	ug/L		01/22/26 23:17	1
Styrene	<0.60		5.0	0.60	0.30	ug/L		01/22/26 23:17	1
1,4-Dichlorobenzene	<0.60		5.0	0.60	0.30	ug/L		01/22/26 23:17	1
1,2-Dibromoethane	<0.50		1.0	0.50	0.20	ug/L		01/22/26 23:17	1
1,2-Dichloroethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
1,2,3-Trichlorobenzene	<1.0		5.0	1.0	0.40	ug/L		01/22/26 23:17	1
4-Methyl-2-pentanone (MIBK)	<1.0		10	1.0	0.50	ug/L		01/22/26 23:17	1
1,2,3-Trichloropropane	<0.60		5.0	0.60	0.30	ug/L		01/22/26 23:17	1
Methylcyclohexane	<1.0		5.0	1.0	0.50	ug/L		01/22/26 23:17	1
Toluene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
1,2,4-Trimethylbenzene	<2.0		5.0	2.0	1.0	ug/L		01/22/26 23:17	1
Chlorobenzene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
Cyclohexane	<2.0		5.0	2.0	1.0	ug/L		01/22/26 23:17	1
1,2,4-Trichlorobenzene	<1.0		5.0	1.0	0.30	ug/L		01/22/26 23:17	1
Dibromochloromethane	<0.50		1.0	0.50	0.20	ug/L		01/22/26 23:17	1
Xylenes, Total	<0.80		1.0	0.80	0.40	ug/L		01/22/26 23:17	1
Tetrachloroethene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
cis-1,2-Dichloroethene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
trans-1,2-Dichloroethene	<1.4		2.0	1.4	0.70	ug/L		01/22/26 23:17	1
Methyl tert-butyl ether	<0.50		1.0	0.50	0.20	ug/L		01/22/26 23:17	1
1,3-Dichlorobenzene	<1.4		5.0	1.4	0.68	ug/L		01/22/26 23:17	1
Carbon tetrachloride	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
1,4-Dioxane	<100		250	100	29	ug/L		01/22/26 23:17	1
2-Hexanone	<1.7	M	10	1.7	0.85	ug/L		01/22/26 23:17	1
Acetone	**16**	**J**	20	2.0	0.70	ug/L		01/22/26 23:17	1
Chloroform	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1

Client Sample ID: 2601081200

Date Collected: 01/08/26 12:00
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
1,1,1-Trichloroethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
Bromomethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
Chloromethane	<1.1		2.0	1.1	0.55	ug/L		01/22/26 23:17	1
Chloroethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
Vinyl chloride	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
Methylene Chloride	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
Carbon disulfide	<0.60		5.0	0.60	0.30	ug/L		01/22/26 23:17	1
Bromoform	<2.0		4.0	2.0	1.0	ug/L		01/22/26 23:17	1
Bromodichloromethane	<0.50		1.0	0.50	0.20	ug/L		01/22/26 23:17	1
1,1-Dichloroethene	<0.60	M	1.0	0.60	0.30	ug/L		01/22/26 23:17	1
Trichlorofluoromethane	<0.60	*- cn	1.0	0.60	0.30	ug/L		01/22/26 23:17	1
Dichlorodifluoromethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.60		10	0.60	0.30	ug/L		01/22/26 23:17	1
1,2-Dichloropropane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
2-Butanone (MEK)	**1.3**	**J**	10	1.0	1.0	ug/L		01/22/26 23:17	1
Bromochloromethane	<0.50		5.0	0.50	0.20	ug/L		01/22/26 23:17	1
1,1,2-Trichloroethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
Trichloroethene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
Methyl acetate	<0.60	M	5.0	0.60	0.30	ug/L		01/22/26 23:17	1
1,1,2,2-Tetrachloroethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 23:17	1
1,2-Dichlorobenzene	<0.50		5.0	0.50	0.20	ug/L		01/22/26 23:17	1
1,2-Dibromo-3-Chloropropane	<1.0		5.0	1.0	0.30	ug/L		01/22/26 23:17	1
Isopropylbenzene	<0.60		5.0	0.60	0.30	ug/L		01/22/26 23:17	1
m-Xylene & p-Xylene	<4.0		5.0	4.0	2.0	ug/L		01/22/26 23:17	1
o-Xylene	<0.80		1.0	0.80	0.40	ug/L		01/22/26 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*81 - 118*		*01/22/26 23:17*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 119*		*01/22/26 23:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*85 - 114*		*01/22/26 23:17*	*1*
Toluene-d8 (Surr)	*97*		*89 - 112*		*01/22/26 23:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
2,2'-oxybis[1-chloropropane]	<2.0	cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
2,4,5-Trichlorophenol	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
2,4,6-Trichlorophenol	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
2,4-Dichlorophenol	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
2,4-Dimethylphenol	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
2,4-Dinitrophenol	<10	*- cn	10	10	2.0	ug/L		01/19/26 20:55	1
2,4-Dinitrotoluene	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
2,6-Dinitrotoluene	<0.84	*+ cn	0.84	0.84	0.57	ug/L		01/19/26 20:55	1
2-Chloronaphthalene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
2-Chlorophenol	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
2-Methylnaphthalene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
2-Methylphenol	<0.50	*+ cn	0.50	0.50	0.40	ug/L		01/19/26 20:55	1
2-Nitroaniline	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
2-Nitrophenol	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Client Sample ID: 2601081200
Date Collected: 01/08/26 12:00
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
3-Nitroaniline	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
4,6-Dinitro-2-methylphenol	<1.2	cn	1.2	1.2	0.99	ug/L		01/19/26 20:55	1
4-Bromophenyl phenyl ether	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
4-Chloro-3-methylphenol	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
4-Chloroaniline	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
4-Chlorophenyl phenyl ether	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
4-Methylphenol	<0.50	M cn	0.50	0.50	0.40	ug/L		01/19/26 20:55	1
4-Nitroaniline	<2.0	cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
4-Nitrophenol	<10	cn	10	10	2.0	ug/L		01/19/26 20:55	1
Acenaphthene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Acenaphthylene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Acetophenone	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
Anthracene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Atrazine	<2.0	*+ cn	2.0	2.0	1.5	ug/L		01/19/26 20:55	1
Benzaldehyde	<2.0	*+ cn	2.0	2.0	1.5	ug/L		01/19/26 20:55	1
Benzo[a]anthracene	<0.087	M *+ cn	0.087	0.087	0.035	ug/L		01/19/26 20:55	1
Benzo[a]pyrene	<0.087	*+ cn	0.087	0.087	0.035	ug/L		01/19/26 20:55	1
Benzo[b]fluoranthene	<0.087	M *+ cn	0.087	0.087	0.035	ug/L		01/19/26 20:55	1
Benzo[g,h,i]perylene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Benzo[k]fluoranthene	<0.087	M *+ cn	0.087	0.087	0.035	ug/L		01/19/26 20:55	1
Bis(2-chloroethoxy)methane	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Bis(2-chloroethyl)ether	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Bis(2-ethylhexyl) phthalate	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
Butyl benzyl phthalate	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
Caprolactam	<2.0	cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
Carbazole	<0.20	*+ cn	0.52	0.20	0.099	ug/L		01/19/26 20:55	1
Chrysene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Di-n-butyl phthalate	<6.3	*+ cn	6.3	6.3	3.1	ug/L		01/19/26 20:55	1
Di-n-octyl phthalate	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
Dibenz(a,h)anthracene	<0.087	*+ cn	0.087	0.087	0.035	ug/L		01/19/26 20:55	1
Dibenzofuran	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Diethyl phthalate	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
Dimethyl phthalate	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
Fluoranthene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Fluorene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Hexachlorobenzene	<0.057	*+ cn	0.057	0.057	0.031	ug/L		01/19/26 20:55	1
Hexachlorobutadiene	<0.20	cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Hexachlorocyclopentadiene	<0.20	cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Hexachloroethane	<0.20	cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Indeno[1,2,3-cd]pyrene	<0.20	cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Isophorone	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
N-Nitrosodi-n-propylamine	<0.17	*+ cn	0.17	0.17	0.099	ug/L		01/19/26 20:55	1
N-Nitrosodiphenylamine	**0.48**	***+ cn**	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Naphthalene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Nitrobenzene	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
Pentachlorophenol	<2.0	*+ cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1
Phenanthrene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
Phenol	<2.0	cn	2.0	2.0	0.99	ug/L		01/19/26 20:55	1

Client Sample ID: 2601081200

Lab Sample ID: 410-260956-3

Date Collected: 01/08/26 12:00
Matrix: Water
Date Received: 01/10/26 11:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Pyrene	<0.20	*+ cn	0.20	0.20	0.099	ug/L		01/19/26 20:55	1
N-Nitrosodimethylamine	**0.33**	**J cn**	1.0	1.0	0.30	ug/L		01/19/26 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*3*	*S1- cn*	*44 - 119*	*01/15/26 16:53*	*01/19/26 20:55*	*1*
2-Fluorophenol (Surr)	*40*	*cn*	*19 - 119*	*01/15/26 16:53*	*01/19/26 20:55*	*1*
Nitrobenzene-d5 (Surr)	*46*	*cn*	*44 - 120*	*01/15/26 16:53*	*01/19/26 20:55*	*1*
p-Terphenyl-d14 (Surr)	*0.7*	*S1- cn*	*50 - 134*	*01/15/26 16:53*	*01/19/26 20:55*	*1*
2,4,6-Tribromophenol (Surr)	*38*	*S1- cn*	*43 - 140*	*01/15/26 16:53*	*01/19/26 20:55*	*1*
Phenol-d5 (Surr)	*29*	*cn*	*18 - 61*	*01/15/26 16:53*	*01/19/26 20:55*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**1110**	**cn**	50.0	42.5	17.0	ug/L		01/14/26 16:39	1
Barium	**96900**	**cn**	50.0	40.0	18.7	ug/L		01/14/26 16:39	1
Cadmium	**31.0**	**cn**	12.5	10.0	3.78	ug/L		01/14/26 16:39	1
Chromium	**2590**	**cn**	50.0	27.5	13.8	ug/L		01/14/26 16:39	1
Lead	**1380**	**cn**	12.5	6.00	3.00	ug/L		01/14/26 16:39	1
Selenium	**12.3**	**J cn**	25.0	15.0	6.95	ug/L		01/14/26 16:39	1
Silver	<7.50	cn	12.5	7.50	2.50	ug/L		01/14/26 16:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	<6.40		8.00	6.40	3.48	ug/L		01/14/26 23:14	1

Client Sample ID: 2601090830

Lab Sample ID: 410-260956-4

Date Collected: 01/09/26 08:30
Matrix: Water
Date Received: 01/10/26 11:10

Method: SW846 8260D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.50		1.0	0.50	0.20	ug/L		01/23/26 03:41	1
trans-1,3-Dichloropropene	<0.50		1.0	0.50	0.20	ug/L		01/23/26 03:41	1
Ethylbenzene	<0.80		1.0	0.80	0.40	ug/L		01/23/26 03:41	1
Styrene	<0.60		5.0	0.60	0.30	ug/L		01/23/26 03:41	1
1,4-Dichlorobenzene	<0.60		5.0	0.60	0.30	ug/L		01/23/26 03:41	1
1,2-Dibromoethane	<0.50		1.0	0.50	0.20	ug/L		01/23/26 03:41	1
1,2-Dichloroethane	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
1,2,3-Trichlorobenzene	<1.0		5.0	1.0	0.40	ug/L		01/23/26 03:41	1
4-Methyl-2-pentanone (MIBK)	<1.0		10	1.0	0.50	ug/L		01/23/26 03:41	1
1,2,3-Trichloropropane	<0.60		5.0	0.60	0.30	ug/L		01/23/26 03:41	1
Methylcyclohexane	<1.0		5.0	1.0	0.50	ug/L		01/23/26 03:41	1
Toluene	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
1,2,4-Trimethylbenzene	<2.0		5.0	2.0	1.0	ug/L		01/23/26 03:41	1
Chlorobenzene	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Cyclohexane	<2.0		5.0	2.0	1.0	ug/L		01/23/26 03:41	1
1,2,4-Trichlorobenzene	<1.0		5.0	1.0	0.30	ug/L		01/23/26 03:41	1
Dibromochloromethane	<0.50		1.0	0.50	0.20	ug/L		01/23/26 03:41	1
Xylenes, Total	<0.80		1.0	0.80	0.40	ug/L		01/23/26 03:41	1
Tetrachloroethene	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
cis-1,2-Dichloroethene	<0.60	M	1.0	0.60	0.30	ug/L		01/23/26 03:41	1

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Client Sample ID: 2601090830

Date Collected: 01/09/26 08:30
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<1.4	M	2.0	1.4	0.70	ug/L		01/23/26 03:41	1
Methyl tert-butyl ether	<0.50		1.0	0.50	0.20	ug/L		01/23/26 03:41	1
1,3-Dichlorobenzene	<1.4		5.0	1.4	0.68	ug/L		01/23/26 03:41	1
Carbon tetrachloride	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
1,4-Dioxane	<100		250	100	29	ug/L		01/23/26 03:41	1
2-Hexanone	<1.7		10	1.7	0.85	ug/L		01/23/26 03:41	1
Acetone	**69**		20	2.0	0.70	ug/L		01/23/26 03:41	1
Chloroform	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Benzene	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
1,1,1-Trichloroethane	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Bromomethane	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Chloromethane	<1.1		2.0	1.1	0.55	ug/L		01/23/26 03:41	1
Chloroethane	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Vinyl chloride	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Methylene Chloride	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Carbon disulfide	<0.60	M	5.0	0.60	0.30	ug/L		01/23/26 03:41	1
Bromoform	<2.0		4.0	2.0	1.0	ug/L		01/23/26 03:41	1
Bromodichloromethane	<0.50		1.0	0.50	0.20	ug/L		01/23/26 03:41	1
1,1-Dichloroethene	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Trichlorofluoromethane	<0.60	*- cn	1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Dichlorodifluoromethane	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.60		10	0.60	0.30	ug/L		01/23/26 03:41	1
1,2-Dichloropropane	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
2-Butanone (MEK)	<1.0	M	10	1.0	1.0	ug/L		01/23/26 03:41	1
Bromochloromethane	<0.50		5.0	0.50	0.20	ug/L		01/23/26 03:41	1
1,1,2-Trichloroethane	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Trichloroethene	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
Methyl acetate	<0.60	M	5.0	0.60	0.30	ug/L		01/23/26 03:41	1
1,1,2,2-Tetrachloroethane	<0.60		1.0	0.60	0.30	ug/L		01/23/26 03:41	1
1,2-Dichlorobenzene	<0.50		5.0	0.50	0.20	ug/L		01/23/26 03:41	1
1,2-Dibromo-3-Chloropropane	<1.0		5.0	1.0	0.30	ug/L		01/23/26 03:41	1
Isopropylbenzene	<0.60		5.0	0.60	0.30	ug/L		01/23/26 03:41	1
m-Xylene & p-Xylene	<4.0		5.0	4.0	2.0	ug/L		01/23/26 03:41	1
o-Xylene	<0.80		1.0	0.80	0.40	ug/L		01/23/26 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*81 - 118*		*01/23/26 03:41*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 119*		*01/23/26 03:41*	*1*
4-Bromofluorobenzene (Surr)	*98*		*85 - 114*		*01/23/26 03:41*	*1*
Toluene-d8 (Surr)	*97*		*89 - 112*		*01/23/26 03:41*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
2,2'-oxybis[1-chloropropane]	<1.3	cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
2,4,5-Trichlorophenol	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
2,4,6-Trichlorophenol	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
2,4-Dichlorophenol	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
2,4-Dimethylphenol	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
2,4-Dinitrophenol	<6.6	*- cn	6.6	6.6	1.3	ug/L		01/19/26 20:25	1

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Client Sample ID: 2601090830
Date Collected: 01/09/26 08:30
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2,4-Dinitrotoluene	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
2,6-Dinitrotoluene	<0.55	*+ cn	0.55	0.55	0.38	ug/L		01/19/26 20:25	1
2-Chloronaphthalene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
2-Chlorophenol	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
2-Methylnaphthalene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
2-Methylphenol	<0.33	*+ cn	0.33	0.33	0.26	ug/L		01/19/26 20:25	1
2-Nitroaniline	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
2-Nitrophenol	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
3,3'-Dichlorobenzidine	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
3-Nitroaniline	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
4,6-Dinitro-2-methylphenol	<0.80	cn	0.80	0.80	0.66	ug/L		01/19/26 20:25	1
4-Bromophenyl phenyl ether	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
4-Chloro-3-methylphenol	<0.13	M *+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
4-Chloroaniline	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
4-Chlorophenyl phenyl ether	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
4-Methylphenol	<0.33	M cn	0.33	0.33	0.26	ug/L		01/19/26 20:25	1
4-Nitroaniline	<1.3	cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
4-Nitrophenol	<6.6	cn	6.6	6.6	1.3	ug/L		01/19/26 20:25	1
Acenaphthene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Acenaphthylene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Acetophenone	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
Anthracene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Atrazine	<1.3	*+ cn	1.3	1.3	0.98	ug/L		01/19/26 20:25	1
Benzaldehyde	<1.3	*+ cn	1.3	1.3	0.98	ug/L		01/19/26 20:25	1
Benzo[a]anthracene	<0.057	*+ cn	0.057	0.057	0.023	ug/L		01/19/26 20:25	1
Benzo[a]pyrene	<0.057	*+ cn	0.057	0.057	0.023	ug/L		01/19/26 20:25	1
Benzo[b]fluoranthene	<0.057	M *+ cn	0.057	0.057	0.023	ug/L		01/19/26 20:25	1
Benzo[g,h,i]perylene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Benzo[k]fluoranthene	<0.057	M *+ cn	0.057	0.057	0.023	ug/L		01/19/26 20:25	1
Bis(2-chloroethoxy)methane	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Bis(2-chloroethyl)ether	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Bis(2-ethylhexyl) phthalate	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
Butyl benzyl phthalate	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
Caprolactam	<1.3	cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
Carbazole	<0.13	*+ cn	0.34	0.13	0.066	ug/L		01/19/26 20:25	1
Chrysene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Di-n-butyl phthalate	<4.1	*+ cn	4.1	4.1	2.1	ug/L		01/19/26 20:25	1
Di-n-octyl phthalate	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
Dibenz(a,h)anthracene	<0.057	*+ cn	0.057	0.057	0.023	ug/L		01/19/26 20:25	1
Dibenzofuran	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Diethyl phthalate	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
Dimethyl phthalate	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
Fluoranthene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Fluorene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Hexachlorobenzene	<0.038	*+ cn	0.038	0.038	0.021	ug/L		01/19/26 20:25	1
Hexachlorobutadiene	<0.13	cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Hexachlorocyclopentadiene	<0.13	cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Hexachloroethane	<0.13	cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Indeno[1,2,3-cd]pyrene	<0.13	cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Client Sample ID: 2601090830

Date Collected: 01/09/26 08:30
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-4

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Isophorone	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
N-Nitrosodi-n-propylamine	<0.11	*+ cn	0.11	0.11	0.066	ug/L		01/19/26 20:25	1
N-Nitrosodiphenylamine	**0.29**	***+ cn**	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Naphthalene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Nitrobenzene	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
Pentachlorophenol	<1.3	*+ cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
Phenanthrene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
Phenol	<1.3	cn	1.3	1.3	0.66	ug/L		01/19/26 20:25	1
Pyrene	<0.13	*+ cn	0.13	0.13	0.066	ug/L		01/19/26 20:25	1
N-Nitrosodimethylamine	**0.94**	**cn**	0.66	0.66	0.20	ug/L		01/19/26 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*11*	*S1- cn*	*44 - 119*	*01/15/26 16:53*	*01/19/26 20:25*	*1*
2-Fluorophenol (Surr)	*76*	*cn*	*19 - 119*	*01/15/26 16:53*	*01/19/26 20:25*	*1*
Nitrobenzene-d5 (Surr)	*101*	*cn*	*44 - 120*	*01/15/26 16:53*	*01/19/26 20:25*	*1*
p-Terphenyl-d14 (Surr)	*4*	*S1- cn*	*50 - 134*	*01/15/26 16:53*	*01/19/26 20:25*	*1*
2,4,6-Tribromophenol (Surr)	*91*	*cn*	*43 - 140*	*01/15/26 16:53*	*01/19/26 20:25*	*1*
Phenol-d5 (Surr)	*56*	*cn*	*18 - 61*	*01/15/26 16:53*	*01/19/26 20:25*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	**634**	**cn**	50.0	42.5	17.0	ug/L		01/14/26 16:35	1
Barium	**40700**	**cn**	50.0	40.0	18.7	ug/L		01/14/26 16:35	1
Cadmium	**23.3**	**cn**	12.5	10.0	3.78	ug/L		01/14/26 16:35	1
Chromium	**2080**	**cn**	50.0	27.5	13.8	ug/L		01/14/26 16:35	1
Lead	**1030**	**cn**	12.5	6.00	3.00	ug/L		01/14/26 16:35	1
Selenium	**9.70**	**J cn**	25.0	15.0	6.95	ug/L		01/14/26 16:35	1
Silver	**2.57**	**J cn**	12.5	7.50	2.50	ug/L		01/14/26 16:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	<6.40		8.00	6.40	3.48	ug/L		01/14/26 23:11	1

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Method: 8260D - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(71-136)	(78-119)	(79-119)	(85-116)
410-260956-1	2601081155	109	98	94	94
410-260956-2	2601081405	108	98	94	96
LCS 410-755319/4	Lab Control Sample	102	100	100	95
LCSD 410-755319/5	Lab Control Sample Dup	101	100	98	94
MB 410-755319/7	Method Blank	99	99	95	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(81-118)	(80-119)	(85-114)	(89-112)
410-260956-3	2601081200	106	101	99	97
410-260956-4	2601090830	108	108	98	97
LCS 410-759660/5	Lab Control Sample	106	100	97	98
LCSD 410-759660/6	Lab Control Sample Dup	104	100	96	98
MB 410-759660/11	Method Blank	103	102	99	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(39-132)	(44-115)	(35-115)	(37-122)	(54-127)	(33-122)
410-260956-1	2601081155	113	91	84	82	120	88
410-260956-2	2601081405	102	84	66	68	111	75
LCS 410-757455/2-A	Lab Control Sample	112	85	71	75	112	80
MB 410-757455/1-A	Method Blank	101	70	59	59	117	67

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Surrogate Summary

Client: Tetra Tech Inc
Job ID: 410-260956-1
Project/Site: White Sands Test Facility, NM

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	TPHd14	TBP	PHL
Lab Sample ID	Client Sample ID	(44-119)	(19-119)	(44-120)	(50-134)	(43-140)	(18-61)
410-260956-3	2601081200	3 S1- cn	40 cn	46 cn	0.7 S1- cn	38 S1- cn	29 cn
410-260956-4	2601090830	11 S1- cn	76 cn	101 cn	4 S1- cn	91 cn	56 cn
LCS 410-756868/2-A	Lab Control Sample	128 S1+	88	139 S1+	149 S1+	138	60
MB 410-756868/1-A	Method Blank	135 S1+	92	150 S1+	124	157 S1+	53

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
PHL = Phenol-d5 (Surr)

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Method: 8260D - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-755319/7
Matrix: Solid
Analysis Batch: 755319

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<1.0		5.0	1.0	0.60	ug/Kg		01/13/26 13:13	1
trans-1,3-Dichloropropene	<1.0		5.0	1.0	0.60	ug/Kg		01/13/26 13:13	1
Ethylbenzene	<2.0		5.0	2.0	1.0	ug/Kg		01/13/26 13:13	1
Styrene	<2.0		5.0	2.0	0.90	ug/Kg		01/13/26 13:13	1
1,4-Dichlorobenzene	<2.0		5.0	2.0	0.90	ug/Kg		01/13/26 13:13	1
1,2-Dibromoethane	<2.0		5.0	2.0	0.70	ug/Kg		01/13/26 13:13	1
1,2-Dichloroethane	<2.0		5.0	2.0	0.60	ug/Kg		01/13/26 13:13	1
1,2,3-Trichlorobenzene	<8.0		10	8.0	5.0	ug/Kg		01/13/26 13:13	1
4-Methyl-2-pentanone (MIBK)	<4.0		10	4.0	2.0	ug/Kg		01/13/26 13:13	1
1,2,3-Trichloropropane	<2.0		5.0	2.0	0.70	ug/Kg		01/13/26 13:13	1
Methylcyclohexane	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
Toluene	<2.0	M	5.0	2.0	1.0	ug/Kg		01/13/26 13:13	1
1,2,4-Trimethylbenzene	<2.0		5.0	2.0	1.0	ug/Kg		01/13/26 13:13	1
Chlorobenzene	<2.0		5.0	2.0	0.90	ug/Kg		01/13/26 13:13	1
Cyclohexane	<2.0		5.0	2.0	0.90	ug/Kg		01/13/26 13:13	1
1,2,4-Trichlorobenzene	<8.0		10	8.0	5.0	ug/Kg		01/13/26 13:13	1
Dibromochloromethane	<1.0		5.0	1.0	0.50	ug/Kg		01/13/26 13:13	1
Xylenes, Total	<2.0		10	2.0	0.70	ug/Kg		01/13/26 13:13	1
Tetrachloroethene	<3.0		5.0	3.0	1.5	ug/Kg		01/13/26 13:13	1
cis-1,2-Dichloroethene	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
trans-1,2-Dichloroethene	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
Methyl tert-butyl ether	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
1,3-Dichlorobenzene	<2.0		5.0	2.0	1.0	ug/Kg		01/13/26 13:13	1
Carbon tetrachloride	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
1,4-Dioxane	<100		250	100	37	ug/Kg		01/13/26 13:13	1
2-Hexanone	<5.0		10	5.0	2.5	ug/Kg		01/13/26 13:13	1
Acetone	<16		20	16	6.0	ug/Kg		01/13/26 13:13	1
Chloroform	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
Benzene	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
1,1,1-Trichloroethane	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
Bromomethane	<2.0		5.0	2.0	1.0	ug/Kg		01/13/26 13:13	1
Chloromethane	<2.0		5.0	2.0	1.0	ug/Kg		01/13/26 13:13	1
Chloroethane	<4.0		5.0	4.0	1.0	ug/Kg		01/13/26 13:13	1
Vinyl chloride	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
Methylene Chloride	<4.0		5.0	4.0	2.0	ug/Kg		01/13/26 13:13	1
Carbon disulfide	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
Bromoform	<8.0		10	8.0	5.0	ug/Kg		01/13/26 13:13	1
Bromodichloromethane	<2.0		5.0	2.0	0.70	ug/Kg		01/13/26 13:13	1
1,1-Dichloroethane	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
1,1-Dichloroethene	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
Trichlorofluoromethane	<2.0		5.0	2.0	1.0	ug/Kg		01/13/26 13:13	1
Dichlorodifluoromethane	<2.0		5.0	2.0	1.0	ug/Kg		01/13/26 13:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<2.0		10	2.0	0.90	ug/Kg		01/13/26 13:13	1
1,2-Dichloropropane	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
2-Butanone (MEK)	<4.0	M	10	4.0	2.0	ug/Kg		01/13/26 13:13	1
Bromochloromethane	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
1,1,2-Trichloroethane	<2.0		5.0	2.0	0.70	ug/Kg		01/13/26 13:13	1
Trichloroethene	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-755319/7
Matrix: Solid
Analysis Batch: 755319

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Methyl acetate	<4.0		5.0	4.0	1.0	ug/Kg		01/13/26 13:13	1
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
1,2-Dichlorobenzene	<2.0		5.0	2.0	0.90	ug/Kg		01/13/26 13:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	0.80	ug/Kg		01/13/26 13:13	1
Isopropylbenzene	<3.0		5.0	3.0	1.5	ug/Kg		01/13/26 13:13	1
m-Xylene & p-Xylene	<4.0		5.0	4.0	2.0	ug/Kg		01/13/26 13:13	1
o-Xylene	<2.0		5.0	2.0	1.0	ug/Kg		01/13/26 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 136*		*01/13/26 13:13*	*1*
Dibromofluoromethane (Surr)	*99*		*78 - 119*		*01/13/26 13:13*	*1*
4-Bromofluorobenzene (Surr)	*95*		*79 - 119*		*01/13/26 13:13*	*1*
Toluene-d8 (Surr)	*94*		*85 - 116*		*01/13/26 13:13*	*1*

Lab Sample ID: LCS 410-755319/4
Matrix: Solid
Analysis Batch: 755319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.7		ug/Kg		93	74 - 126
trans-1,3-Dichloropropene	20.0	18.3		ug/Kg		92	71 - 130
Ethylbenzene	20.0	18.3		ug/Kg		91	76 - 122
Styrene	20.0	17.7		ug/Kg		89	76 - 124
1,4-Dichlorobenzene	20.0	18.1		ug/Kg		91	75 - 120
1,2-Dibromoethane	20.0	19.5		ug/Kg		98	78 - 122
1,2-Dichloroethane	20.0	19.1		ug/Kg		95	73 - 128
1,2,3-Trichlorobenzene	20.0	18.8		ug/Kg		94	66 - 130
4-Methyl-2-pentanone (MIBK)	250	269		ug/Kg		107	65 - 135
1,2,3-Trichloropropane	20.0	20.8		ug/Kg		104	73 - 125
Methylcyclohexane	20.0	18.5		ug/Kg		92	66 - 133
Toluene	20.0	17.9		ug/Kg		89	77 - 121
1,2,4-Trimethylbenzene	20.0	17.9		ug/Kg		89	75 - 123
Chlorobenzene	20.0	18.3		ug/Kg		91	79 - 120
Cyclohexane	20.0	18.1		ug/Kg		90	67 - 131
1,2,4-Trichlorobenzene	20.0	18.1		ug/Kg		91	67 - 129
Dibromochloromethane	20.0	18.2		ug/Kg		91	74 - 126
Xylenes, Total	60.0	53.8		ug/Kg		90	78 - 124
Tetrachloroethene	20.0	17.0		ug/Kg		85	73 - 128
cis-1,2-Dichloroethene	20.0	20.0		ug/Kg		100	77 - 123
trans-1,2-Dichloroethene	20.0	19.2		ug/Kg		96	74 - 125
Methyl tert-butyl ether	20.0	17.4		ug/Kg		87	73 - 125
1,3-Dichlorobenzene	20.0	17.9		ug/Kg		89	77 - 121
Carbon tetrachloride	20.0	18.5		ug/Kg		92	70 - 135
1,4-Dioxane	500	455		ug/Kg		91	55 - 138
2-Hexanone	250	251		ug/Kg		101	53 - 145
Acetone	250	248		ug/Kg		99	36 - 164
Chloroform	20.0	19.3		ug/Kg		97	78 - 123
Benzene	20.0	19.1		ug/Kg		96	77 - 121

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-755319/4
Matrix: Solid
Analysis Batch: 755319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	18.3		ug/Kg		92	73 - 130
Bromomethane	20.0	18.8		ug/Kg		94	53 - 143
Chloromethane	20.0	14.6		ug/Kg		73	50 - 136
Chloroethane	20.0	17.8		ug/Kg		89	59 - 139
Vinyl chloride	20.0	16.4		ug/Kg		82	56 - 135
Methylene Chloride	20.0	20.0		ug/Kg		100	70 - 128
Carbon disulfide	20.0	17.9		ug/Kg		89	63 - 132
Bromoform	20.0	18.9		ug/Kg		95	67 - 132
Bromodichloromethane	20.0	19.2		ug/Kg		96	75 - 127
1,1-Dichloroethane	20.0	19.1		ug/Kg		95	76 - 125
1,1-Dichloroethene	20.0	19.9		ug/Kg		100	70 - 131
Trichlorofluoromethane	20.0	14.5	M	ug/Kg		73	62 - 140
Dichlorodifluoromethane	20.0	14.7	M	ug/Kg		73	29 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.1		ug/Kg		95	66 - 136
1,2-Dichloropropane	20.0	19.5		ug/Kg		98	76 - 123
2-Butanone (MEK)	250	241		ug/Kg		96	51 - 148
Bromochloromethane	20.0	20.0		ug/Kg		100	78 - 125
1,1,2-Trichloroethane	20.0	19.2		ug/Kg		96	78 - 121
Trichloroethene	20.0	18.8		ug/Kg		94	77 - 123
Methyl acetate	20.0	19.0		ug/Kg		95	53 - 144
1,1,2,2-Tetrachloroethane	20.0	21.8		ug/Kg		109	70 - 124
1,2-Dichlorobenzene	20.0	18.7		ug/Kg		93	78 - 121
1,2-Dibromo-3-Chloropropane	20.0	20.8		ug/Kg		104	61 - 132
Isopropylbenzene	20.0	18.1		ug/Kg		90	68 - 134
m-Xylene & p-Xylene	40.0	35.8		ug/Kg		90	77 - 124
o-Xylene	20.0	18.0		ug/Kg		90	77 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*71 - 136*
Dibromofluoromethane (Surr)	*100*		*78 - 119*
4-Bromofluorobenzene (Surr)	*100*		*79 - 119*
Toluene-d8 (Surr)	*95*		*85 - 116*

Lab Sample ID: LCSD 410-755319/5
Matrix: Solid
Analysis Batch: 755319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	19.2		ug/Kg		96	74 - 126	3	30
trans-1,3-Dichloropropene	20.0	19.1		ug/Kg		96	71 - 130	4	30
Ethylbenzene	20.0	18.7		ug/Kg		94	76 - 122	3	30
Styrene	20.0	18.4		ug/Kg		92	76 - 124	4	30
1,4-Dichlorobenzene	20.0	18.8		ug/Kg		94	75 - 120	4	30
1,2-Dibromoethane	20.0	20.4		ug/Kg		102	78 - 122	5	30
1,2-Dichloroethane	20.0	19.2		ug/Kg		96	73 - 128	1	30
1,2,3-Trichlorobenzene	20.0	18.5		ug/Kg		93	66 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	275		ug/Kg		110	65 - 135	2	30
1,2,3-Trichloropropane	20.0	21.3		ug/Kg		106	73 - 125	2	30

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-755319/5
Matrix: Solid
Analysis Batch: 755319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane			20.0	19.2		ug/Kg		96	66 - 133	4	30
Toluene			20.0	18.8		ug/Kg		94	77 - 121	5	30
1,2,4-Trimethylbenzene			20.0	18.4		ug/Kg		92	75 - 123	3	30
Chlorobenzene			20.0	19.0		ug/Kg		95	79 - 120	4	30
Cyclohexane			20.0	19.0		ug/Kg		95	67 - 131	5	30
1,2,4-Trichlorobenzene			20.0	18.6		ug/Kg		93	67 - 129	2	30
Dibromochloromethane			20.0	19.1		ug/Kg		95	74 - 126	5	30
Xylenes, Total			60.0	55.4		ug/Kg		92	78 - 124	3	30
Tetrachloroethene			20.0	17.3		ug/Kg		86	73 - 128	2	30
cis-1,2-Dichloroethene			20.0	20.4		ug/Kg		102	77 - 123	2	30
trans-1,2-Dichloroethene			20.0	19.3		ug/Kg		96	74 - 125	0	30
Methyl tert-butyl ether			20.0	18.1		ug/Kg		90	73 - 125	4	30
1,3-Dichlorobenzene			20.0	18.5		ug/Kg		93	77 - 121	3	30
Carbon tetrachloride			20.0	18.9		ug/Kg		94	70 - 135	2	30
1,4-Dioxane			500	418		ug/Kg		84	55 - 138	9	30
2-Hexanone			250	258		ug/Kg		103	53 - 145	3	30
Acetone			250	235		ug/Kg		94	36 - 164	5	30
Chloroform			20.0	19.8		ug/Kg		99	78 - 123	2	30
Benzene			20.0	19.7		ug/Kg		98	77 - 121	3	30
1,1,1-Trichloroethane			20.0	18.6		ug/Kg		93	73 - 130	2	30
Bromomethane			20.0	18.9		ug/Kg		94	53 - 143	0	30
Chloromethane			20.0	15.0		ug/Kg		75	50 - 136	3	30
Chloroethane			20.0	18.7		ug/Kg		93	59 - 139	5	30
Vinyl chloride			20.0	16.6		ug/Kg		83	56 - 135	1	30
Methylene Chloride			20.0	20.4		ug/Kg		102	70 - 128	2	30
Carbon disulfide			20.0	18.7		ug/Kg		93	63 - 132	4	30
Bromoform			20.0	19.6		ug/Kg		98	67 - 132	4	30
Bromodichloromethane			20.0	19.8		ug/Kg		99	75 - 127	3	30
1,1-Dichloroethane			20.0	20.0		ug/Kg		100	76 - 125	5	30
1,1-Dichloroethene			20.0	20.5		ug/Kg		102	70 - 131	3	30
Trichlorofluoromethane			20.0	14.7		ug/Kg		74	62 - 140	2	30
Dichlorodifluoromethane			20.0	15.5	M	ug/Kg		78	29 - 149	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	19.4		ug/Kg		97	66 - 136	2	30
1,2-Dichloropropane			20.0	20.3		ug/Kg		102	76 - 123	4	30
2-Butanone (MEK)			250	240		ug/Kg		96	51 - 148	0	30
Bromochloromethane			20.0	20.8		ug/Kg		104	78 - 125	4	30
1,1,2-Trichloroethane			20.0	19.5		ug/Kg		98	78 - 121	2	30
Trichloroethene			20.0	19.2		ug/Kg		96	77 - 123	2	30
Methyl acetate			20.0	20.9		ug/Kg		105	53 - 144	10	30
1,1,2,2-Tetrachloroethane			20.0	22.5		ug/Kg		113	70 - 124	3	30
1,2-Dichlorobenzene			20.0	19.1		ug/Kg		95	78 - 121	2	30
1,2-Dibromo-3-Chloropropane			20.0	21.2		ug/Kg		106	61 - 132	2	30
Isopropylbenzene			20.0	18.4		ug/Kg		92	68 - 134	2	30
m-Xylene & p-Xylene			40.0	36.7		ug/Kg		92	77 - 124	2	30
o-Xylene			20.0	18.7		ug/Kg		93	77 - 123	3	30

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-755319/5
Matrix: Solid
Analysis Batch: 755319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*101*		*71 - 136*
Dibromofluoromethane (Surr)	*100*		*78 - 119*
4-Bromofluorobenzene (Surr)	*98*		*79 - 119*
Toluene-d8 (Surr)	*94*		*85 - 116*

Lab Sample ID: MB 410-759660/11
Matrix: Water
Analysis Batch: 759660

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<0.50		1.0	0.50	0.20	ug/L		01/22/26 22:55	1
trans-1,3-Dichloropropene	<0.50		1.0	0.50	0.20	ug/L		01/22/26 22:55	1
Ethylbenzene	<0.80		1.0	0.80	0.40	ug/L		01/22/26 22:55	1
Styrene	<0.60		5.0	0.60	0.30	ug/L		01/22/26 22:55	1
1,4-Dichlorobenzene	<0.60		5.0	0.60	0.30	ug/L		01/22/26 22:55	1
1,2-Dibromoethane	<0.50		1.0	0.50	0.20	ug/L		01/22/26 22:55	1
1,2-Dichloroethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
1,2,3-Trichlorobenzene	<1.0		5.0	1.0	0.40	ug/L		01/22/26 22:55	1
4-Methyl-2-pentanone (MIBK)	<1.0		10	1.0	0.50	ug/L		01/22/26 22:55	1
1,2,3-Trichloropropane	<0.60		5.0	0.60	0.30	ug/L		01/22/26 22:55	1
Methylcyclohexane	<1.0		5.0	1.0	0.50	ug/L		01/22/26 22:55	1
Toluene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
1,2,4-Trimethylbenzene	<2.0		5.0	2.0	1.0	ug/L		01/22/26 22:55	1
Chlorobenzene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Cyclohexane	<2.0		5.0	2.0	1.0	ug/L		01/22/26 22:55	1
1,2,4-Trichlorobenzene	<1.0		5.0	1.0	0.30	ug/L		01/22/26 22:55	1
Dibromochloromethane	<0.50		1.0	0.50	0.20	ug/L		01/22/26 22:55	1
Xylenes, Total	<0.80		1.0	0.80	0.40	ug/L		01/22/26 22:55	1
Tetrachloroethene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
cis-1,2-Dichloroethene	<0.60	M	1.0	0.60	0.30	ug/L		01/22/26 22:55	1
trans-1,2-Dichloroethene	<1.4	M	2.0	1.4	0.70	ug/L		01/22/26 22:55	1
Methyl tert-butyl ether	<0.50		1.0	0.50	0.20	ug/L		01/22/26 22:55	1
1,3-Dichlorobenzene	<1.4		5.0	1.4	0.68	ug/L		01/22/26 22:55	1
Carbon tetrachloride	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
1,4-Dioxane	<100		250	100	29	ug/L		01/22/26 22:55	1
2-Hexanone	<1.7		10	1.7	0.85	ug/L		01/22/26 22:55	1
Acetone	<2.0		20	2.0	0.70	ug/L		01/22/26 22:55	1
Chloroform	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Benzene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
1,1,1-Trichloroethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Bromomethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Chloromethane	<1.1		2.0	1.1	0.55	ug/L		01/22/26 22:55	1
Chloroethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Vinyl chloride	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Methylene Chloride	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Carbon disulfide	<0.60		5.0	0.60	0.30	ug/L		01/22/26 22:55	1
Bromoform	<2.0		4.0	2.0	1.0	ug/L		01/22/26 22:55	1
Bromodichloromethane	<0.50		1.0	0.50	0.20	ug/L		01/22/26 22:55	1

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-759660/11
Matrix: Water
Analysis Batch: 759660

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1-Dichloroethene	<0.60	M	1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Trichlorofluoromethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Dichlorodifluoromethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.60		10	0.60	0.30	ug/L		01/22/26 22:55	1
1,2-Dichloropropane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
2-Butanone (MEK)	<1.0		10	1.0	1.0	ug/L		01/22/26 22:55	1
Bromochloromethane	<0.50		5.0	0.50	0.20	ug/L		01/22/26 22:55	1
1,1,2-Trichloroethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Trichloroethene	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
Methyl acetate	<0.60		5.0	0.60	0.30	ug/L		01/22/26 22:55	1
1,1,2,2-Tetrachloroethane	<0.60		1.0	0.60	0.30	ug/L		01/22/26 22:55	1
1,2-Dichlorobenzene	<0.50		5.0	0.50	0.20	ug/L		01/22/26 22:55	1
1,2-Dibromo-3-Chloropropane	<1.0		5.0	1.0	0.30	ug/L		01/22/26 22:55	1
Isopropylbenzene	<0.60		5.0	0.60	0.30	ug/L		01/22/26 22:55	1
m-Xylene & p-Xylene	<4.0		5.0	4.0	2.0	ug/L		01/22/26 22:55	1
o-Xylene	<0.80		1.0	0.80	0.40	ug/L		01/22/26 22:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 118*		*01/22/26 22:55*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 119*		*01/22/26 22:55*	*1*
4-Bromofluorobenzene (Surr)	*99*		*85 - 114*		*01/22/26 22:55*	*1*
Toluene-d8 (Surr)	*97*		*89 - 112*		*01/22/26 22:55*	*1*

Lab Sample ID: LCS 410-759660/5
Matrix: Water
Analysis Batch: 759660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.7		ug/L		99	75 - 124
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	73 - 127
Ethylbenzene	20.0	18.4		ug/L		92	79 - 121
Styrene	20.0	18.0		ug/L		90	78 - 123
1,4-Dichlorobenzene	20.0	18.5		ug/L		93	79 - 118
1,2-Dibromoethane	20.0	19.7		ug/L		98	77 - 121
1,2-Dichloroethane	20.0	18.8		ug/L		94	73 - 128
1,2,3-Trichlorobenzene	20.0	15.7		ug/L		78	69 - 129
4-Methyl-2-pentanone (MIBK)	250	237		ug/L		95	67 - 130
1,2,3-Trichloropropane	20.0	17.6		ug/L		88	73 - 122
Methylcyclohexane	20.0	18.8		ug/L		94	72 - 132
Toluene	20.0	19.1		ug/L		95	80 - 121
1,2,4-Trimethylbenzene	20.0	17.4		ug/L		87	76 - 124
Chlorobenzene	20.0	19.4		ug/L		97	82 - 118
Cyclohexane	20.0	19.3		ug/L		97	71 - 130
1,2,4-Trichlorobenzene	20.0	16.9		ug/L		85	69 - 130
Dibromochloromethane	20.0	19.9		ug/L		100	74 - 126
Xylenes, Total	60.0	56.0		ug/L		93	79 - 121
Tetrachloroethene	20.0	20.4		ug/L		102	74 - 129
cis-1,2-Dichloroethene	20.0	20.3		ug/L		102	78 - 123

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-759660/5
Matrix: Water
Analysis Batch: 759660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	20.0	20.1		ug/L		100	75 - 124
Methyl tert-butyl ether	20.0	17.6		ug/L		88	71 - 124
1,3-Dichlorobenzene	20.0	18.5		ug/L		92	80 - 119
Carbon tetrachloride	20.0	20.2		ug/L		101	72 - 136
1,4-Dioxane	500	408		ug/L		82	59 - 139
2-Hexanone	250	257		ug/L		103	57 - 139
Acetone	250	383		ug/L		153	39 - 160
Chloroform	20.0	18.7		ug/L		94	79 - 124
Benzene	20.0	20.1		ug/L		100	79 - 120
1,1,1-Trichloroethane	20.0	19.2		ug/L		96	74 - 131
Bromomethane	20.0	17.4		ug/L		87	53 - 141
Chloromethane	20.0	15.3		ug/L		77	50 - 139
Chloroethane	20.0	19.3		ug/L		96	60 - 138
Vinyl chloride	20.0	15.7		ug/L		78	58 - 137
Methylene Chloride	20.0	20.7		ug/L		103	74 - 124
Carbon disulfide	20.0	18.9		ug/L		94	64 - 133
Bromoform	20.0	19.9		ug/L		100	66 - 130
Bromodichloromethane	20.0	19.5		ug/L		97	79 - 125
1,1-Dichloroethene	20.0	21.7		ug/L		109	71 - 131
Trichlorofluoromethane	20.0	12.7	*-	ug/L		63	65 - 141
Dichlorodifluoromethane	20.0	14.7		ug/L		74	32 - 152
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.2		ug/L		96	70 - 136
1,2-Dichloropropane	20.0	19.3		ug/L		96	78 - 122
2-Butanone (MEK)	250	308		ug/L		123	56 - 143
Bromochloromethane	20.0	20.3		ug/L		102	78 - 123
1,1,2-Trichloroethane	20.0	19.1		ug/L		96	80 - 119
Trichloroethene	20.0	20.1		ug/L		100	79 - 123
Methyl acetate	20.0	26.4		ug/L		132	56 - 136
1,1,2,2-Tetrachloroethane	20.0	17.9		ug/L		89	71 - 121
1,2-Dichlorobenzene	20.0	18.1		ug/L		91	80 - 119
1,2-Dibromo-3-Chloropropane	20.0	16.6		ug/L		83	62 - 128
Isopropylbenzene	20.0	19.3		ug/L		96	72 - 131
m-Xylene & p-Xylene	40.0	37.8		ug/L		94	80 - 121
o-Xylene	20.0	18.2		ug/L		91	78 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*81 - 118*
Dibromofluoromethane (Surr)	*100*		*80 - 119*
4-Bromofluorobenzene (Surr)	*97*		*85 - 114*
Toluene-d8 (Surr)	*98*		*89 - 112*

Lab Sample ID: LCSD 410-759660/6
Matrix: Water
Analysis Batch: 759660

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	75 - 124	2	30
trans-1,3-Dichloropropene	20.0	19.1		ug/L		96	73 - 127	3	30

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-759660/6
Matrix: Water
Analysis Batch: 759660

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	20.0	17.8		ug/L		89	79 - 121	4	30
Styrene	20.0	17.7		ug/L		89	78 - 123	2	30
1,4-Dichlorobenzene	20.0	17.7		ug/L		88	79 - 118	5	30
1,2-Dibromoethane	20.0	18.6		ug/L		93	77 - 121	5	30
1,2-Dichloroethane	20.0	18.2		ug/L		91	73 - 128	3	30
1,2,3-Trichlorobenzene	20.0	15.1		ug/L		76	69 - 129	4	30
4-Methyl-2-pentanone (MIBK)	250	234		ug/L		94	67 - 130	1	30
1,2,3-Trichloropropane	20.0	16.8		ug/L		84	73 - 122	5	30
Methylcyclohexane	20.0	18.0		ug/L		90	72 - 132	5	30
Toluene	20.0	18.6		ug/L		93	80 - 121	3	30
1,2,4-Trimethylbenzene	20.0	16.4		ug/L		82	76 - 124	6	30
Chlorobenzene	20.0	18.9		ug/L		94	82 - 118	3	30
Cyclohexane	20.0	18.3		ug/L		91	71 - 130	5	30
1,2,4-Trichlorobenzene	20.0	16.2		ug/L		81	69 - 130	5	30
Dibromochloromethane	20.0	19.3		ug/L		97	74 - 126	3	30
Xylenes, Total	60.0	53.7		ug/L		90	79 - 121	4	30
Tetrachloroethene	20.0	19.5		ug/L		97	74 - 129	5	30
cis-1,2-Dichloroethene	20.0	18.9		ug/L		95	78 - 123	7	30
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	75 - 124	4	30
Methyl tert-butyl ether	20.0	17.4		ug/L		87	71 - 124	1	30
1,3-Dichlorobenzene	20.0	17.7		ug/L		88	80 - 119	5	30
Carbon tetrachloride	20.0	19.4		ug/L		97	72 - 136	4	30
1,4-Dioxane	500	391		ug/L		78	59 - 139	4	30
2-Hexanone	250	253		ug/L		101	57 - 139	2	30
Acetone	250	359		ug/L		144	39 - 160	6	30
Chloroform	20.0	17.7		ug/L		89	79 - 124	5	30
Benzene	20.0	19.3		ug/L		97	79 - 120	4	30
1,1,1-Trichloroethane	20.0	18.3		ug/L		92	74 - 131	5	30
Bromomethane	20.0	16.5		ug/L		83	53 - 141	5	30
Chloromethane	20.0	14.5		ug/L		73	50 - 139	5	30
Chloroethane	20.0	18.3		ug/L		91	60 - 138	5	30
Vinyl chloride	20.0	14.5		ug/L		73	58 - 137	8	30
Methylene Chloride	20.0	19.8		ug/L		99	74 - 124	4	30
Carbon disulfide	20.0	18.2		ug/L		91	64 - 133	4	30
Bromoform	20.0	20.4		ug/L		102	66 - 130	3	30
Bromodichloromethane	20.0	19.1		ug/L		96	79 - 125	2	30
1,1-Dichloroethene	20.0	21.0		ug/L		105	71 - 131	3	30
Trichlorofluoromethane	20.0	12.6	*-	ug/L		63	65 - 141	1	30
Dichlorodifluoromethane	20.0	14.1		ug/L		71	32 - 152	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.2		ug/L		91	70 - 136	6	30
1,2-Dichloropropane	20.0	19.2		ug/L		96	78 - 122	0	30
2-Butanone (MEK)	250	302		ug/L		121	56 - 143	2	30
Bromochloromethane	20.0	19.5		ug/L		98	78 - 123	4	30
1,1,2-Trichloroethane	20.0	18.7		ug/L		94	80 - 119	2	30
Trichloroethene	20.0	19.1		ug/L		96	79 - 123	5	30
Methyl acetate	20.0	24.7		ug/L		123	56 - 136	7	30
1,1,2,2-Tetrachloroethane	20.0	17.1		ug/L		85	71 - 121	5	30
1,2-Dichlorobenzene	20.0	17.5		ug/L		87	80 - 119	4	30

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-759660/6
Matrix: Water
Analysis Batch: 759660

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			20.0	15.7		ug/L		78	62 - 128	5	30
Isopropylbenzene			20.0	18.2		ug/L		91	72 - 131	6	30
m-Xylene & p-Xylene			40.0	36.1		ug/L		90	80 - 121	5	30
o-Xylene			20.0	17.6		ug/L		88	78 - 122	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*81 - 118*
Dibromofluoromethane (Surr)	*100*		*80 - 119*
4-Bromofluorobenzene (Surr)	*96*		*85 - 114*
Toluene-d8 (Surr)	*98*		*89 - 112*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-757455/1-A
Matrix: Solid
Analysis Batch: 758016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757455

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	<33		37	33	17	ug/Kg		01/20/26 06:30	1
2,4-Dichlorophenol	<40		43	40	20	ug/Kg		01/20/26 06:30	1
2,4-Dimethylphenol	<33		37	33	17	ug/Kg		01/20/26 06:30	1
2,4-Dinitrophenol	<840	M	1000	840	420	ug/Kg		01/20/26 06:30	1
2,4-Dinitrotoluene	<67		170	67	33	ug/Kg		01/20/26 06:30	1
2,4,5-Trichlorophenol	<33		37	33	17	ug/Kg		01/20/26 06:30	1
2,4,6-Trichlorophenol	<33		37	33	17	ug/Kg		01/20/26 06:30	1
bis (2-chloroisopropyl) ether	<40		43	40	20	ug/Kg		01/20/26 06:30	1
Di-n-butyl phthalate	<130		170	130	67	ug/Kg		01/20/26 06:30	1
Di-n-octyl phthalate	<130	M	170	130	67	ug/Kg		01/20/26 06:30	1
Benzo[a]anthracene	<13		17	13	3.3	ug/Kg		01/20/26 06:30	1
Benzo[a]pyrene	<6.7	M	17	6.7	3.3	ug/Kg		01/20/26 06:30	1
Benzo[b]fluoranthene	<6.7	M	17	6.7	3.3	ug/Kg		01/20/26 06:30	1
Benzo[g,h,i]perylene	<6.7	M	17	6.7	3.3	ug/Kg		01/20/26 06:30	1
Benzo[k]fluoranthene	<6.7		17	6.7	3.3	ug/Kg		01/20/26 06:30	1
Acenaphthene	<6.7		17	6.7	3.3	ug/Kg		01/20/26 06:30	1
Acenaphthylene	<8.0		17	8.0	4.0	ug/Kg		01/20/26 06:30	1
Acetophenone	<33		50	33	17	ug/Kg		01/20/26 06:30	1
Anthracene	<6.7	M	17	6.7	3.3	ug/Kg		01/20/26 06:30	1
Atrazine	<130	M	170	130	67	ug/Kg		01/20/26 06:30	1
Benzaldehyde	<67		170	67	33	ug/Kg		01/20/26 06:30	1
Butyl benzyl phthalate	<130		170	130	67	ug/Kg		01/20/26 06:30	1
Caprolactam	<67	M	170	67	33	ug/Kg		01/20/26 06:30	1
Carbazole	<33		37	33	17	ug/Kg		01/20/26 06:30	1
Chrysene	<6.7		17	6.7	3.3	ug/Kg		01/20/26 06:30	1
Dibenz(a,h)anthracene	<13		17	13	6.7	ug/Kg		01/20/26 06:30	1
Dibenzofuran	<33		37	33	17	ug/Kg		01/20/26 06:30	1
Diethyl phthalate	<130		170	130	67	ug/Kg		01/20/26 06:30	1
Dimethyl phthalate	<130		170	130	67	ug/Kg		01/20/26 06:30	1
Hexachlorobenzene	<33		33	33	17	ug/Kg		01/20/26 06:30	1
Hexachlorobutadiene	<40		50	40	20	ug/Kg		01/20/26 06:30	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-757455/1-A
Matrix: Solid
Analysis Batch: 758016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757455

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorocyclopentadiene	<330		500	330	170	ug/Kg		01/20/26 06:30	1
Hexachloroethane	<67		170	67	33	ug/Kg		01/20/26 06:30	1
Fluoranthene	<6.7		17	6.7	3.3	ug/Kg		01/20/26 06:30	1
Fluorene	<6.7		17	6.7	3.3	ug/Kg		01/20/26 06:30	1
Indeno[1,2,3-cd]pyrene	<8.0	M	17	8.0	4.0	ug/Kg		01/20/26 06:30	1
Isophorone	<33		67	33	17	ug/Kg		01/20/26 06:30	1
N-Nitrosodi-n-propylamine	<50		67	50	33	ug/Kg		01/20/26 06:30	1
N-Nitrosodiphenylamine	<33		37	33	17	ug/Kg		01/20/26 06:30	1
Naphthalene	<13		17	13	6.7	ug/Kg		01/20/26 06:30	1
Nitrobenzene	<33		37	33	17	ug/Kg		01/20/26 06:30	1
Pentachlorophenol	<130		170	130	67	ug/Kg		01/20/26 06:30	1
Phenanthrene	<8.0	M	17	8.0	4.0	ug/Kg		01/20/26 06:30	1
Phenol	<33		37	33	17	ug/Kg		01/20/26 06:30	1
Pyrene	<6.7		17	6.7	3.3	ug/Kg		01/20/26 06:30	1
2-Chloronaphthalene	<27		33	27	13	ug/Kg		01/20/26 06:30	1
2-Chlorophenol	<33		37	33	17	ug/Kg		01/20/26 06:30	1
2-Methylnaphthalene	<10		17	10	5.0	ug/Kg		01/20/26 06:30	1
2-Methylphenol	<40		50	40	20	ug/Kg		01/20/26 06:30	1
2-Nitroaniline	<33		50	33	17	ug/Kg		01/20/26 06:30	1
2-Nitrophenol	<40		50	40	20	ug/Kg		01/20/26 06:30	1
3,3'-Dichlorobenzidine	<270		330	270	170	ug/Kg		01/20/26 06:30	1
2-Methyl-4,6-dinitrophenol	<330		500	330	170	ug/Kg		01/20/26 06:30	1
3,4-Methylphenol	<33		50	33	17	ug/Kg		01/20/26 06:30	1
4-Nitroaniline	<67		170	67	33	ug/Kg		01/20/26 06:30	1
4-Nitrophenol	<330		500	330	170	ug/Kg		01/20/26 06:30	1
Bis(2-chloroethoxy)methane	<33		37	33	17	ug/Kg		01/20/26 06:30	1
Bis(2-chloroethyl)ether	<33		37	33	17	ug/Kg		01/20/26 06:30	1
Bis(2-ethylhexyl) phthalate	<130		170	130	67	ug/Kg		01/20/26 06:30	1
2,6-Dinitrotoluene	<33	M	37	33	17	ug/Kg		01/20/26 06:30	1
4-Chloro-3-methylphenol	<40		50	40	20	ug/Kg		01/20/26 06:30	1
4-Chloroaniline	<67		170	67	33	ug/Kg		01/20/26 06:30	1
4-Chlorophenyl phenyl ether	<33		37	33	17	ug/Kg		01/20/26 06:30	1
N-Nitrosodimethylamine	<67		170	67	33	ug/Kg		01/20/26 06:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*101*		*39 - 132*	*01/17/26 02:17*	*01/20/26 06:30*	*1*
2-Fluorobiphenyl (Surr)	*70*		*44 - 115*	*01/17/26 02:17*	*01/20/26 06:30*	*1*
2-Fluorophenol (Surr)	*59*		*35 - 115*	*01/17/26 02:17*	*01/20/26 06:30*	*1*
Nitrobenzene-d5 (Surr)	*59*		*37 - 122*	*01/17/26 02:17*	*01/20/26 06:30*	*1*
p-Terphenyl-d14 (Surr)	*117*		*54 - 127*	*01/17/26 02:17*	*01/20/26 06:30*	*1*
Phenol-d5 (Surr)	*67*		*33 - 122*	*01/17/26 02:17*	*01/20/26 06:30*	*1*

Lab Sample ID: LCS 410-757455/2-A
Matrix: Solid
Analysis Batch: 758016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	1670	1480		ug/Kg		89	40 - 117

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-757455/2-A
Matrix: Solid
Analysis Batch: 758016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dichlorophenol	1670	1710		ug/Kg		103	40 - 122
2,4-Dimethylphenol	1670	1570		ug/Kg		94	30 - 127
2,4-Dinitrophenol	3330	3770		ug/Kg		113	36 - 130
2,4-Dinitrotoluene	1670	1700		ug/Kg		102	48 - 126
2,4,5-Trichlorophenol	1670	1810		ug/Kg		108	41 - 124
2,4,6-Trichlorophenol	1670	1870		ug/Kg		112	39 - 126
bis (2-chloroisopropyl) ether	1670	1050		ug/Kg		63	42 - 120
Di-n-butyl phthalate	1670	1750		ug/Kg		105	67 - 128
Di-n-octyl phthalate	1670	1730		ug/Kg		104	45 - 140
Benzo[a]anthracene	1670	1830		ug/Kg		110	49 - 126
Benzo[a]pyrene	1670	1740		ug/Kg		105	45 - 129
Benzo[b]fluoranthene	1670	1840		ug/Kg		110	45 - 132
Benzo[g,h,i]perylene	1670	1840		ug/Kg		110	43 - 134
Benzo[k]fluoranthene	1670	1650		ug/Kg		99	47 - 132
Acenaphthene	1670	1520		ug/Kg		91	40 - 123
Acenaphthylene	1670	1620		ug/Kg		97	32 - 132
Acetophenone	1670	1190		ug/Kg		72	33 - 115
Anthracene	1670	1710		ug/Kg		102	47 - 123
Atrazine	1670	1760		ug/Kg		106	47 - 127
Benzaldehyde	1670	826		ug/Kg		50	36 - 120
Butyl benzyl phthalate	1670	1650		ug/Kg		99	48 - 132
Caprolactam	1670	1630		ug/Kg		98	46 - 117
Carbazole	1670	1720		ug/Kg		103	50 - 123
Chrysene	1670	1700		ug/Kg		102	50 - 124
Dibenz(a,h)anthracene	1670	1860		ug/Kg		112	45 - 134
Dibenzofuran	1670	1570		ug/Kg		94	44 - 120
Diethyl phthalate	1670	1660		ug/Kg		100	50 - 124
Dimethyl phthalate	1670	1640		ug/Kg		98	48 - 124
Hexachlorobenzene	1670	1580		ug/Kg		95	45 - 122
Hexachlorobutadiene	1670	1160		ug/Kg		70	32 - 123
Hexachlorocyclopentadiene	1670	2040		ug/Kg		122	30 - 143
Hexachloroethane	1670	979		ug/Kg		59	28 - 117
Fluoranthene	1670	1720		ug/Kg		103	50 - 127
Fluorene	1670	1610		ug/Kg		96	43 - 125
Indeno[1,2,3-cd]pyrene	1670	1850		ug/Kg		111	45 - 133
Isophorone	1670	1400		ug/Kg		84	30 - 122
N-Nitrosodi-n-propylamine	1670	1290		ug/Kg		77	36 - 120
N-Nitrosodiphenylamine	1420	1470		ug/Kg		104	38 - 127
Naphthalene	1670	1210		ug/Kg		73	35 - 123
Nitrobenzene	1670	1290		ug/Kg		78	34 - 122
Pentachlorophenol	3330	4020		ug/Kg		121	25 - 133
Phenanthrene	1670	1620		ug/Kg		97	50 - 121
Phenol	1670	1320		ug/Kg		79	34 - 121
Pyrene	1670	1630		ug/Kg		98	47 - 127
2-Chloronaphthalene	1670	1410		ug/Kg		84	41 - 114
2-Chlorophenol	1670	1330		ug/Kg		80	34 - 121
2-Methylnaphthalene	1670	1360		ug/Kg		82	38 - 122
2-Methylphenol	1670	1440		ug/Kg		86	32 - 122
2-Nitroaniline	1670	1700		ug/Kg		102	44 - 127

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-757455/2-A
Matrix: Solid
Analysis Batch: 758016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitrophenol	1670	1570		ug/Kg		94	36 - 123
3,3'-Dichlorobenzidine	3330	1810		ug/Kg		54	22 - 121
2-Methyl-4,6-dinitrophenol	3330	3620		ug/Kg		109	29 - 132
3,4-Methylphenol	1670	1340		ug/Kg		80	42 - 126
4-Nitroaniline	1670	1480		ug/Kg		89	53 - 120
4-Nitrophenol	3330	3530		ug/Kg		106	30 - 132
Bis(2-chloroethoxy)methane	1670	1380		ug/Kg		83	36 - 121
Bis(2-chloroethyl)ether	1670	1090		ug/Kg		65	31 - 120
Bis(2-ethylhexyl) phthalate	1670	1700		ug/Kg		102	51 - 133
2,6-Dinitrotoluene	1670	1640		ug/Kg		98	46 - 124
4-Chloro-3-methylphenol	1670	1730		ug/Kg		104	45 - 122
4-Chloroaniline	1670	830		ug/Kg		50	17 - 106
4-Chlorophenyl phenyl ether	1670	1610		ug/Kg		97	45 - 121
N-Nitrosodimethylamine	1670	1070		ug/Kg		64	23 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*112*		*39 - 132*
2-Fluorobiphenyl (Surr)	*85*		*44 - 115*
2-Fluorophenol (Surr)	*71*		*35 - 115*
Nitrobenzene-d5 (Surr)	*75*		*37 - 122*
p-Terphenyl-d14 (Surr)	*112*		*54 - 127*
Phenol-d5 (Surr)	*80*		*33 - 122*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 410-756868/1-A
Matrix: Water
Analysis Batch: 758117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 756868

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
2,2'-oxybis[1-chloropropane]	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
2,4,5-Trichlorophenol	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
2,4,6-Trichlorophenol	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
2,4-Dichlorophenol	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
2,4-Dimethylphenol	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
2,4-Dinitrophenol	<5.6		5.6	5.6	1.1	ug/L		01/20/26 14:41	1
2,4-Dinitrotoluene	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
2,6-Dinitrotoluene	<0.47		0.47	0.47	0.33	ug/L		01/20/26 14:41	1
2-Chloronaphthalene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
2-Chlorophenol	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
2-Methylnaphthalene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
2-Methylphenol	<0.28		0.28	0.28	0.23	ug/L		01/20/26 14:41	1
2-Nitroaniline	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
2-Nitrophenol	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
3,3'-Dichlorobenzidine	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
3-Nitroaniline	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
4,6-Dinitro-2-methylphenol	<0.69		0.69	0.69	0.56	ug/L		01/20/26 14:41	1
4-Bromophenyl phenyl ether	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 410-756868/1-A
Matrix: Water
Analysis Batch: 758117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 756868

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
4-Chloro-3-methylphenol	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
4-Chloroaniline	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
4-Chlorophenyl phenyl ether	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
4-Methylphenol	<0.28		0.28	0.28	0.23	ug/L		01/20/26 14:41	1
4-Nitroaniline	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
4-Nitrophenol	<5.6		5.6	5.6	1.1	ug/L		01/20/26 14:41	1
Acenaphthene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Acenaphthylene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Acetophenone	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
Anthracene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Atrazine	<1.1		1.1	1.1	0.85	ug/L		01/20/26 14:41	1
Benzaldehyde	<1.1		1.1	1.1	0.85	ug/L		01/20/26 14:41	1
Benzo[a]anthracene	<0.049		0.049	0.049	0.020	ug/L		01/20/26 14:41	1
Benzo[a]pyrene	<0.049		0.049	0.049	0.020	ug/L		01/20/26 14:41	1
Benzo[b]fluoranthene	<0.049		0.049	0.049	0.020	ug/L		01/20/26 14:41	1
Benzo[g,h,i]perylene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Benzo[k]fluoranthene	<0.049		0.049	0.049	0.020	ug/L		01/20/26 14:41	1
Bis(2-chloroethoxy)methane	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Bis(2-chloroethyl)ether	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Bis(2-ethylhexyl) phthalate	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
Butyl benzyl phthalate	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
Caprolactam	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
Carbazole	<0.11		0.30	0.11	0.056	ug/L		01/20/26 14:41	1
Chrysene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Di-n-butyl phthalate	<3.5		3.5	3.5	1.8	ug/L		01/20/26 14:41	1
Di-n-octyl phthalate	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
Dibenz(a,h)anthracene	<0.049		0.049	0.049	0.020	ug/L		01/20/26 14:41	1
Dibenzofuran	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Diethyl phthalate	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
Dimethyl phthalate	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
Fluoranthene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Fluorene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Hexachlorobenzene	<0.033		0.033	0.033	0.018	ug/L		01/20/26 14:41	1
Hexachlorobutadiene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Hexachlorocyclopentadiene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Hexachloroethane	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Indeno[1,2,3-cd]pyrene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Isophorone	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
N-Nitrosodi-n-propylamine	<0.099		0.099	0.099	0.056	ug/L		01/20/26 14:41	1
N-Nitrosodiphenylamine	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Naphthalene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Nitrobenzene	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
Pentachlorophenol	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
Phenanthrene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
Phenol	<1.1		1.1	1.1	0.56	ug/L		01/20/26 14:41	1
Pyrene	<0.11		0.11	0.11	0.056	ug/L		01/20/26 14:41	1
N-Nitrosodimethylamine	<0.56		0.56	0.56	0.17	ug/L		01/20/26 14:41	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 410-756868/1-A
Matrix: Water
Analysis Batch: 758117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 756868

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	135	S1+	44 - 119	01/15/26 16:53	01/20/26 14:41	1
2-Fluorophenol (Surr)	92		19 - 119	01/15/26 16:53	01/20/26 14:41	1
Nitrobenzene-d5 (Surr)	150	S1+	44 - 120	01/15/26 16:53	01/20/26 14:41	1
p-Terphenyl-d14 (Surr)	124		50 - 134	01/15/26 16:53	01/20/26 14:41	1
2,4,6-Tribromophenol (Surr)	157	S1+	43 - 140	01/15/26 16:53	01/20/26 14:41	1
Phenol-d5 (Surr)	53		18 - 61	01/15/26 16:53	01/20/26 14:41	1

Lab Sample ID: LCS 410-756868/2-A
Matrix: Water
Analysis Batch: 757801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 756868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	5.63	7.67	*+	ug/L		136	49 - 115
2,2'-oxybis[1-chloropropane]	5.63	7.13		ug/L		127	50 - 150
2,4,5-Trichlorophenol	5.63	8.74	*+	ug/L		155	53 - 123
2,4,6-Trichlorophenol	5.63	8.06	*+	ug/L		143	50 - 125
2,4-Dichlorophenol	5.63	8.06	*+	ug/L		143	47 - 121
2,4-Dimethylphenol	5.63	7.58	*+	ug/L		134	31 - 124
2,4-Dinitrophenol	11.3	2.60	J	ug/L		23	23 - 143
2,4-Dinitrotoluene	5.63	8.01	*+	ug/L		142	57 - 128
2,6-Dinitrotoluene	5.63	8.03	*+	ug/L		143	57 - 124
2-Chloronaphthalene	5.63	7.42	*+	ug/L		132	40 - 116
2-Chlorophenol	5.63	7.32	*+	ug/L		130	38 - 117
2-Methylnaphthalene	5.63	7.23	*+	ug/L		128	40 - 121
2-Methylphenol	5.63	6.53		ug/L		116	30 - 117
2-Nitroaniline	5.63	8.01	*+	ug/L		142	55 - 127
2-Nitrophenol	5.63	7.96	*+	ug/L		141	47 - 123
3,3'-Dichlorobenzidine	11.3	17.3	*+	ug/L		154	27 - 129
3-Nitroaniline	5.63	8.33	*+	ug/L		148	41 - 128
4,6-Dinitro-2-methylphenol	11.3	13.8		ug/L		123	44 - 137
4-Bromophenyl phenyl ether	5.63	7.49	*+	ug/L		133	55 - 124
4-Chloro-3-methylphenol	5.63	8.22	*+	ug/L		146	52 - 119
4-Chloroaniline	5.63	8.10	*+	ug/L		144	33 - 117
4-Chlorophenyl phenyl ether	5.63	7.27	*+	ug/L		129	53 - 121
4-Methylphenol	5.63	5.70		ug/L		101	25 - 120
4-Nitroaniline	5.63	7.23		ug/L		128	50 - 150
4-Nitrophenol	11.3	7.20		ug/L		64	20 - 160
Acenaphthene	5.63	8.46	*+	ug/L		150	47 - 122
Acenaphthylene	5.63	7.52	*+	ug/L		134	41 - 130
Acetophenone	5.63	7.41	*+	ug/L		131	46 - 118
Anthracene	5.63	8.06	*+	ug/L		143	57 - 123
Atrazine	11.3	17.7	*+	ug/L		157	44 - 142
Benzaldehyde	11.3	19.1	I *+	ug/L		169	50 - 150
Benzo[a]anthracene	5.63	8.81	*+	ug/L		156	58 - 125
Benzo[a]pyrene	5.63	7.96	*+	ug/L		141	54 - 128
Benzo[b]fluoranthene	5.63	7.62	*+	ug/L		135	53 - 131
Benzo[g,h,i]perylene	5.63	7.85	*+	ug/L		139	50 - 134
Benzo[k]fluoranthene	5.63	8.31	*+	ug/L		148	57 - 129

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 410-756868/2-A
Matrix: Water
Analysis Batch: 757801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 756868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	5.63	8.59	*+	ug/L		152	48 - 120
Bis(2-chloroethyl)ether	5.63	7.08	*+	ug/L		126	43 - 118
Bis(2-ethylhexyl) phthalate	5.63	8.17	*+	ug/L		145	55 - 135
Butyl benzyl phthalate	5.63	7.51		ug/L		133	53 - 134
Caprolactam	11.3	2.02	I	ug/L		18	10 - 120
Carbazole	5.63	8.30	*+	ug/L		147	60 - 122
Chrysene	5.63	9.15	*+	ug/L		162	59 - 123
Di-n-butyl phthalate	5.63	8.41	*+	ug/L		149	59 - 127
Di-n-octyl phthalate	5.63	7.93	*+	ug/L		141	51 - 140
Dibenz(a,h)anthracene	5.63	8.42	*+	ug/L		149	51 - 134
Dibenzofuran	5.63	7.72	*+	ug/L		137	53 - 118
Diethyl phthalate	5.63	8.81	*+	ug/L		156	56 - 125
Dimethyl phthalate	5.63	8.19	*+	ug/L		145	45 - 127
Fluoranthene	5.63	8.62	*+	ug/L		153	57 - 128
Fluorene	5.63	8.06	*+	ug/L		143	52 - 124
Hexachlorobenzene	5.63	7.72	*+	ug/L		137	28 - 136
Hexachlorobutadiene	5.63	2.81		ug/L		50	22 - 124
Hexachlorocyclopentadiene	5.63	3.36		ug/L		60	10 - 120
Hexachloroethane	5.63	4.43		ug/L		79	21 - 115
Indeno[1,2,3-cd]pyrene	5.63	7.06		ug/L		125	52 - 134
Isophorone	5.63	7.66	*+	ug/L		136	42 - 124
N-Nitrosodi-n-propylamine	5.63	8.28	*+	ug/L		147	49 - 119
N-Nitrosodiphenylamine	4.79	6.88	*+	ug/L		144	51 - 123
Naphthalene	5.63	7.26	*+	ug/L		129	40 - 121
Nitrobenzene	5.63	7.41	*+	ug/L		132	45 - 121
Pentachlorophenol	11.3	17.1	*+	ug/L		151	35 - 138
Phenanthrene	5.63	8.05	*+	ug/L		143	59 - 120
Phenol	5.63	3.56		ug/L		63	30 - 150
Pyrene	5.63	8.42	*+	ug/L		150	57 - 126
N-Nitrosodimethylamine	5.63	1.88		ug/L		33	20 - 160

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*128*	*S1+*	*44 - 119*
2-Fluorophenol (Surr)	*88*		*19 - 119*
Nitrobenzene-d5 (Surr)	*139*	*S1+*	*44 - 120*
p-Terphenyl-d14 (Surr)	*149*	*S1+*	*50 - 134*
2,4,6-Tribromophenol (Surr)	*138*		*43 - 140*
Phenol-d5 (Surr)	*60*		*18 - 61*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-755844/1-A
Matrix: Solid
Analysis Batch: 756405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 755844

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	<0.320		0.400	0.320	0.134	mg/Kg		01/14/26 22:51	2
Barium	<0.368		0.400	0.368	0.216	mg/Kg		01/14/26 22:51	2
Cadmium	<0.0800		0.100	0.0800	0.0400	mg/Kg		01/14/26 22:51	2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-755844/1-A
Matrix: Solid
Analysis Batch: 756405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 755844

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chromium	<0.382		0.400	0.382	0.382	mg/Kg		01/14/26 22:51	2
Lead	<0.160		0.200	0.160	0.0760	mg/Kg		01/14/26 22:51	2
Selenium	<0.200		0.400	0.200	0.100	mg/Kg		01/14/26 22:51	2
Silver	<0.0800		0.100	0.0800	0.0400	mg/Kg		01/14/26 22:51	2

Lab Sample ID: LCS 410-755844/2-A
Matrix: Solid
Analysis Batch: 756405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 755844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	51.28	D	mg/Kg		103	82 - 118
Barium	50.0	51.90	D	mg/Kg		104	86 - 116
Cadmium	5.00	5.521	D	mg/Kg		110	84 - 116
Chromium	50.0	54.50	D	mg/Kg		109	83 - 119
Lead	5.00	5.397	D	mg/Kg		108	84 - 118
Selenium	10.0	10.64	D	mg/Kg		106	80 - 119
Silver	5.00	5.601	D	mg/Kg		112	83 - 118

Lab Sample ID: MB 410-755504/1-A
Matrix: Water
Analysis Batch: 756376

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 755504

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	<1.70		2.00	1.70	0.680	ug/L		01/14/26 16:08	1
Barium	<1.60		2.00	1.60	0.746	ug/L		01/14/26 16:08	1
Cadmium	<0.400		0.500	0.400	0.151	ug/L		01/14/26 16:08	1
Chromium	<1.10		2.00	1.10	0.550	ug/L		01/14/26 16:08	1
Lead	<0.240		0.500	0.240	0.120	ug/L		01/14/26 16:08	1
Selenium	<0.600		1.00	0.600	0.278	ug/L		01/14/26 16:08	1
Silver	<0.300		0.500	0.300	0.100	ug/L		01/14/26 16:08	1

Lab Sample ID: LCS 410-755504/2-A
Matrix: Water
Analysis Batch: 756376

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 755504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	501.7		ug/L		100	84 - 116
Barium	500	531.6		ug/L		106	86 - 114
Cadmium	50.0	52.25		ug/L		105	87 - 115
Chromium	500	481.7		ug/L		96	85 - 116
Lead	50.0	52.99		ug/L		106	88 - 115
Selenium	100	97.66		ug/L		98	80 - 120
Silver	50.0	50.10		ug/L		100	85 - 116

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-755518/1-A
Matrix: Water
Analysis Batch: 756400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 755518

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	<0.160		0.200	0.160	0.0870	ug/L		01/14/26 22:27	1

Lab Sample ID: LCS 410-755518/2-A
Matrix: Water
Analysis Batch: 756400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 755518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.9970		ug/L		100	82 - 119

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 410-755993/1-A
Matrix: Solid
Analysis Batch: 756390

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 755993

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	<0.0400		0.0600	0.0400	0.0200	mg/Kg		01/14/26 19:57	1

Lab Sample ID: LCS 410-755993/2-A
Matrix: Solid
Analysis Batch: 756390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 755993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.1600		mg/Kg		96	80 - 124

QC Association Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

GC/MS VOA

Prep Batch: 754730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-1	2601081155	Total/NA	Solid	5035	
410-260956-2	2601081405	Total/NA	Solid	5035	

Analysis Batch: 755319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-1	2601081155	Total/NA	Solid	8260D	754730
410-260956-2	2601081405	Total/NA	Solid	8260D	754730
MB 410-755319/7	Method Blank	Total/NA	Solid	8260D	
LCS 410-755319/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 410-755319/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 759660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-3	2601081200	Total/NA	Water	8260D	
410-260956-4	2601090830	Total/NA	Water	8260D	
MB 410-759660/11	Method Blank	Total/NA	Water	8260D	
LCS 410-759660/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-759660/6	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 756868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-3	2601081200	Total/NA	Water	3511	
410-260956-4	2601090830	Total/NA	Water	3511	
MB 410-756868/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-756868/2-A	Lab Control Sample	Total/NA	Water	3511	

Prep Batch: 757455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-1	2601081155	Total/NA	Solid	3546	
410-260956-2	2601081405	Total/NA	Solid	3546	
MB 410-757455/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-757455/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 757801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-3	2601081200	Total/NA	Water	8270E	756868
410-260956-4	2601090830	Total/NA	Water	8270E	756868
LCS 410-756868/2-A	Lab Control Sample	Total/NA	Water	8270E	756868

Analysis Batch: 758016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-1	2601081155	Total/NA	Solid	8270E	757455
410-260956-2	2601081405	Total/NA	Solid	8270E	757455
MB 410-757455/1-A	Method Blank	Total/NA	Solid	8270E	757455
LCS 410-757455/2-A	Lab Control Sample	Total/NA	Solid	8270E	757455

Analysis Batch: 758117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-756868/1-A	Method Blank	Total/NA	Water	8270E	756868

QC Association Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

GC/MS Semi VOA

Prep Batch: 759611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-3 - RE	2601081200	Total/NA	Water	3511	
410-260956-4 - RE	2601090830	Total/NA	Water	3511	
MB 410-759611/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-759611/2-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 760751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-3 - RE	2601081200	Total/NA	Water	8270E	759611
410-260956-4 - RE	2601090830	Total/NA	Water	8270E	759611
MB 410-759611/1-A	Method Blank	Total/NA	Water	8270E	759611
LCS 410-759611/2-A	Lab Control Sample	Total/NA	Water	8270E	759611

Metals

Prep Batch: 755504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-3	2601081200	Total Recoverable	Water	3005A	
410-260956-4	2601090830	Total Recoverable	Water	3005A	
MB 410-755504/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-755504/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 755518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-3	2601081200	Total/NA	Water	7470A	
410-260956-4	2601090830	Total/NA	Water	7470A	
MB 410-755518/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-755518/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 755844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-1	2601081155	Total/NA	Solid	3050B	
410-260956-2	2601081405	Total/NA	Solid	3050B	
MB 410-755844/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 410-755844/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 755993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-1	2601081155	Total/NA	Solid	7471B	
410-260956-2	2601081405	Total/NA	Solid	7471B	
MB 410-755993/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 410-755993/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 756376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-3	2601081200	Total Recoverable	Water	6020B	755504
410-260956-4	2601090830	Total Recoverable	Water	6020B	755504
MB 410-755504/1-A	Method Blank	Total Recoverable	Water	6020B	755504
LCS 410-755504/2-A	Lab Control Sample	Total Recoverable	Water	6020B	755504

QC Association Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Metals

Analysis Batch: 756390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-1	2601081155	Total/NA	Solid	7471B	755993
410-260956-2	2601081405	Total/NA	Solid	7471B	755993
MB 410-755993/1-A	Method Blank	Total/NA	Solid	7471B	755993
LCS 410-755993/2-A	Lab Control Sample	Total/NA	Solid	7471B	755993

Analysis Batch: 756400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-3	2601081200	Total/NA	Water	7470A	755518
410-260956-4	2601090830	Total/NA	Water	7470A	755518
MB 410-755518/1-A	Method Blank	Total/NA	Water	7470A	755518
LCS 410-755518/2-A	Lab Control Sample	Total/NA	Water	7470A	755518

Analysis Batch: 756405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-1	2601081155	Total/NA	Solid	6020B	755844
410-260956-2	2601081405	Total/NA	Solid	6020B	755844
MB 410-755844/1-A	Method Blank	Total/NA	Solid	6020B	755844
LCS 410-755844/2-A	Lab Control Sample	Total/NA	Solid	6020B	755844

General Chemistry

Analysis Batch: 755071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-260956-1	2601081155	Total/NA	Solid	Moisture	
410-260956-2	2601081405	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Client Sample ID: 2601081155
Date Collected: 01/08/26 11:55
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	755071	E5GC	ELLE	01/12/26 11:39

Client Sample ID: 2601081155
Date Collected: 01/08/26 11:55
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-1
Matrix: Solid
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			754730	H4VV	ELLE	01/12/26 06:38
Total/NA	Analysis	8260D		1	755319	ULCP	ELLE	01/13/26 14:16
Total/NA	Prep	3546			757455	MCH4	ELLE	01/17/26 02:17
Total/NA	Analysis	8270E		1	758016	TB8M	ELLE	01/20/26 08:07
Total/NA	Prep	3050B			755844	UJL8	ELLE	01/14/26 08:00
Total/NA	Analysis	6020B		2	756405	LHF4	ELLE	01/14/26 23:56
Total/NA	Prep	7471B			755993	VT6A	ELLE	01/14/26 13:20
Total/NA	Analysis	7471B		1	756390	IJ3I	ELLE	01/14/26 20:50

Client Sample ID: 2601081405
Date Collected: 01/08/26 14:05
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	755071	E5GC	ELLE	01/12/26 11:39

Client Sample ID: 2601081405
Date Collected: 01/08/26 14:05
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-2
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			754730	H4VV	ELLE	01/12/26 06:38
Total/NA	Analysis	8260D		1	755319	ULCP	ELLE	01/13/26 14:38
Total/NA	Prep	3546			757455	MCH4	ELLE	01/17/26 02:17
Total/NA	Analysis	8270E		1	758016	TB8M	ELLE	01/20/26 08:32
Total/NA	Prep	3050B			755844	UJL8	ELLE	01/14/26 08:00
Total/NA	Analysis	6020B		2	756405	LHF4	ELLE	01/14/26 23:58
Total/NA	Prep	7471B			755993	VT6A	ELLE	01/14/26 13:20
Total/NA	Analysis	7471B		1	756390	IJ3I	ELLE	01/14/26 20:52

Client Sample ID: 2601081200
Date Collected: 01/08/26 12:00
Date Received: 01/10/26 11:10

Lab Sample ID: 410-260956-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	759660	AK1	ELLE	01/22/26 23:17
Total/NA	Prep	3511			756868	L2FU	ELLE	01/15/26 16:53
Total/NA	Analysis	8270E		1	757801	L2LY	ELLE	01/19/26 20:55

Lab Chronicle

Client: Tetra Tech Inc
Job ID: 410-260956-1
Project/Site: White Sands Test Facility, NM

Client Sample ID: 2601081200
Lab Sample ID: 410-260956-3
Date Collected: 01/08/26 12:00
Matrix: Water
Date Received: 01/10/26 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511	RE		759611	L2FU	ELLE	01/22/26 16:25
Total/NA	Analysis	8270E	RE	1	760751	SJ89	ELLE	01/27/26 14:18
Total Recoverable	Prep	3005A			755504	UJL8	ELLE	01/14/26 05:50
Total Recoverable	Analysis	6020B		1	756376	LHF4	ELLE	01/14/26 16:39
Total/NA	Prep	7470A			755518	X3ZX	ELLE	01/14/26 08:02
Total/NA	Analysis	7470A		1	756400	IJ3I	ELLE	01/14/26 23:14

Client Sample ID: 2601090830
Lab Sample ID: 410-260956-4
Date Collected: 01/09/26 08:30
Matrix: Water
Date Received: 01/10/26 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	759660	AK1	ELLE	01/23/26 03:41
Total/NA	Prep	3511			756868	L2FU	ELLE	01/15/26 16:53
Total/NA	Analysis	8270E		1	757801	L2LY	ELLE	01/19/26 20:25
Total/NA	Prep	3511	RE		759611	L2FU	ELLE	01/22/26 16:25
Total/NA	Analysis	8270E	RE	1	760751	SJ89	ELLE	01/27/26 14:47
Total Recoverable	Prep	3005A			755504	UJL8	ELLE	01/14/26 05:50
Total Recoverable	Analysis	6020B		1	756376	LHF4	ELLE	01/14/26 16:35
Total/NA	Prep	7470A			755518	X3ZX	ELLE	01/14/26 08:02
Total/NA	Analysis	7470A		1	756400	IJ3I	ELLE	01/14/26 23:11

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Tetra Tech Inc
Job ID: 410-260956-1
Project/Site: White Sands Test Facility, NM

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture

Pennsylvania	NELAP	36-00037	01-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture

Method Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds (GC/MS)	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
7471B	Mercury (CVAA)	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3050B	Preparation, Metals	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
3546	Microwave Extraction	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
5035	Closed System Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
7471B	Preparation, Mercury	SW846	ELLE

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-260956-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-260956-1	2601081155	Solid	01/08/26 11:55	01/10/26 11:10	New Mexico
410-260956-2	2601081405	Solid	01/08/26 14:05	01/10/26 11:10	New Mexico
410-260956-3	2601081200	Water	01/08/26 12:00	01/10/26 11:10	New Mexico
410-260956-4	2601090830	Water	01/09/26 08:30	01/10/26 11:10	New Mexico

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

410-260956 Chain of Custody

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Client Information	Sampler: G. Ashmore, B. Seidermon	Lab PM: Gordon, Stephen J	COC No: 410-175810-49334.1
Client Contact: ~~Grace Ashmore~~ Sarah Damphousse	Phone: 831-220-9227 (GA)	E-Mail: Stephen.Gordon@et.eurofinsus.com	State of Origin: NM
Company: Tetra Tech Inc	PWSID:		Page: Page 1 of 1
Address: 400 Penn Center Blvd, Suite 700 ~~1230 Columbia Street Suite 1000~~	Due Date Requested: Standard	Analysis Requested	Job #:
City: ~~San Diego~~ Pittsburgh	TAT Requested (days): standard		Preservation Codes: F - MeOH N - None A - HCL D - HNO3
State, Zip: ~~CA 92101~~ PA, 15235	Compliance Project: Δ Yes Δ No		
Phone: 407-808-1414	PO #: 1223283		
Email: ~~Grace.Ashmore@tetratech.com~~ sarah.dumphousse@tetratech.com	WO #:		
Project Name: White Sands Test Facility, NM	Project #: 41028206		Other:
Site: ~~600-300~~ 600C-003-GW	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D_DOD6 - TCL 4.3 VOCs	6020B_DOD6, 7471B_DOD6, 8270E_DOD6, Moisture	8260D_DOD6 - (MOD) TCL 4.3	8270E_QQQ_DOD6 - TCL 4.3 SVOCs +NDMA	6020B_DOD6, 7470A_DOD6	Total Number of containers	Special Instructions/Note:
Preservation Code:							F	N	A	N	D		
				Solid			X	X					
260108 1155	01/08/26	1155	G	Solid			3	2					415 ft bgs at 003
260108 1405	01/08/26	1405	G	Solid			3	2					464 ft bgs at 003
260108 1200	01/08/26	1200	G	Water					3	2	1		415 ft bgs at 003
260109 0830	01/09/26	0830	G	Water					3	2	1		464 ft bgs at 003
~~260108 TB01~~				Water									~~Trip blank~~
				Water									
				Water									
				Water									

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Grace Ashmore	01/09/26 / 1330	Tetra Tech	Fedex	01/09/26 / 1330	Fedex
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/10/26	Company

Custody Seals Intact: ☐ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 21.5-C1.2

mb

CU

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 410-260956-1

Login Number: 260956
List Number: 1
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	False	Headspace greater than 6mm in diameter in some but not all containers

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Damphousse
Tetra Tech Inc
661 ANdersen Drive
Foster Plaza 7
Suite 200
Pittsburgh, Pennsylvania 15220

Generated 1/29/2026 5:32:25 PM

JOB DESCRIPTION

White Sands Test Facility, NM

JOB NUMBER

410-261566-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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1/29/2026 5:32:25 PM

Authorized for release by
Stephen Gordon, Senior Project Manager
Stephen.Gordon@et.eurofinsus.com
(412)525-0071

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· 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.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Tetra Tech Inc
Job ID: 410-261566-1
Project/Site: White Sands Test Facility, NM

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
D	The reported value is from a dilution.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M	Manual integrated compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
M	Manual integrated compound.

GC Semi VOA

Qualifier	Qualifier Description
M	Manual integrated compound.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-261566-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 1/15/2026 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

GC/MS VOA
Method 8260D - TCLP: The response for 2-Butanone (MEK) and Vinyl chloride in the continuing calibration verification (CCV) marginally exceeds, low-biased, the DoD acceptance criteria on batch 410-761276. Due to the marginal nature of the outlier(s), the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-261566-1

Client Sample ID: 2601130830 — Lab Sample ID: 410-261566-2

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.013	J D	0.020	0.012	0.0060	mg/L	20		8260D	TCLP
Chloroform	0.019	J D	0.020	0.012	0.0060	mg/L	20		8260D	TCLP
Barium	1.66		0.0200	0.0160	0.00746	mg/L	1		6020B	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2601130830
Date Collected: 01/13/26 08:30
Date Received: 01/15/26 10:00

Lab Sample ID: 410-261566-2
Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	**0.013**	**J D**	0.020	0.012	0.0060	mg/L		01/28/26 15:56	20
Carbon tetrachloride	<0.012		0.020	0.012	0.0060	mg/L		01/28/26 15:56	20
Chlorobenzene	<0.012		0.020	0.012	0.0060	mg/L		01/28/26 15:56	20
Chloroform	**0.019**	**J D**	0.020	0.012	0.0060	mg/L		01/28/26 15:56	20
1,2-Dichloroethane	<0.012		0.020	0.012	0.0060	mg/L		01/28/26 15:56	20
1,1-Dichloroethene	<0.012	M	0.020	0.012	0.0060	mg/L		01/28/26 15:56	20
2-Butanone (MEK)	<0.020	M ^c cn	0.20	0.020	0.010	mg/L		01/28/26 15:56	20
Tetrachloroethene	<0.012		0.020	0.012	0.0060	mg/L		01/28/26 15:56	20
Trichloroethene	<0.012		0.020	0.012	0.0060	mg/L		01/28/26 15:56	20
Vinyl chloride	<0.012	^c cn	0.020	0.012	0.0060	mg/L		01/28/26 15:56	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*81 - 118*		*01/28/26 15:56*	*20*
4-Bromofluorobenzene (Surr)	*96*		*85 - 114*		*01/28/26 15:56*	*20*
Dibromofluoromethane (Surr)	*102*		*80 - 119*		*01/28/26 15:56*	*20*
Toluene-d8 (Surr)	*98*		*89 - 112*		*01/28/26 15:56*	*20*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 13:48	1
2,4,5-Trichlorophenol	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 13:48	1
2,4,6-Trichlorophenol	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 13:48	1
2,4-Dinitrotoluene	<0.010		0.025	0.010	0.0050	mg/L		01/22/26 13:48	1
2-Methylphenol	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 13:48	1
3,4-Methylphenol	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 13:48	1
Hexachlorobenzene	<0.0011		0.0025	0.0011	0.00055	mg/L		01/22/26 13:48	1
Hexachlorobutadiene	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 13:48	1
Hexachloroethane	<0.0050		0.025	0.0050	0.0025	mg/L		01/22/26 13:48	1
Nitrobenzene	<0.0050	M	0.010	0.0050	0.0025	mg/L		01/22/26 13:48	1
Pentachlorophenol	<0.020		0.025	0.020	0.0050	mg/L		01/22/26 13:48	1
Pyridine	<0.020	M	0.025	0.020	0.010	mg/L		01/22/26 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*43 - 140*	*01/21/26 16:25*	*01/22/26 13:48*	*1*
2-Fluorobiphenyl (Surr)	*93*		*44 - 119*	*01/21/26 16:25*	*01/22/26 13:48*	*1*
2-Fluorophenol (Surr)	*55*		*19 - 119*	*01/21/26 16:25*	*01/22/26 13:48*	*1*
Nitrobenzene-d5 (Surr)	*92*		*44 - 120*	*01/21/26 16:25*	*01/22/26 13:48*	*1*
p-Terphenyl-d14 (Surr)	*111*		*50 - 134*	*01/21/26 16:25*	*01/22/26 13:48*	*1*
Phenol-d5 (Surr)	*40*		*10 - 120*	*01/21/26 16:25*	*01/22/26 13:48*	*1*

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	<0.0170		0.0200	0.0170	0.00680	mg/L		01/22/26 19:44	1
Barium	**1.66**		0.0200	0.0160	0.00746	mg/L		01/22/26 19:44	1
Cadmium	<0.00400		0.00500	0.00400	0.00151	mg/L		01/22/26 19:44	1
Chromium	<0.0110		0.0200	0.0110	0.00550	mg/L		01/22/26 19:44	1
Lead	<0.00240		0.00500	0.00240	0.00120	mg/L		01/22/26 19:44	1
Selenium	<0.00600		0.0100	0.00600	0.00278	mg/L		01/22/26 19:44	1
Silver	<0.00300		0.00500	0.00300	0.00100	mg/L		01/22/26 19:44	1

Client Sample ID: 2601130830
Lab Sample ID: 410-261566-2
Date Collected: 01/13/26 08:30
Matrix: Solid
Date Received: 01/15/26 10:00

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	<0.160		0.200	0.160	0.0870	ug/L		01/22/26 08:06	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.9**		1.0		1.0	%		01/20/26 21:30	1

Client Sample ID: 2601130830
Lab Sample ID: 410-261566-2
Date Collected: 01/13/26 08:30
Matrix: Solid
Date Received: 01/15/26 10:00
Percent Solids: 93.1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
>C12-C28	<21		21	21	11	mg/Kg	☼	01/27/26 16:07	1
>C28-C35	<21		21	21	11	mg/Kg	☼	01/27/26 16:07	1
C6-C12	<21		21	21	12	mg/Kg	☼	01/27/26 16:07	1
C6-C35 Summary	<21		21	21	11	mg/Kg	☼	01/27/26 16:07	1
C6-C28 Summary	<21		21	21	11	mg/Kg	☼	01/27/26 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*86*		*70 - 130*	*01/22/26 11:30*	*01/27/26 16:07*	*1*
Trifluorotoluene (Surr)	*88*		*70 - 130*	*01/22/26 11:30*	*01/27/26 16:07*	*1*

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-261566-1

Method: 8260D - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(81-118)	(85-114)	(80-119)	(89-112)
LCS 410-761276/4	Lab Control Sample	106	94	98	97
LCSD 410-761276/5	Lab Control Sample Dup	109	94	100	97
MB 410-761276/7	Method Blank	109	94	99	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(81-118)	(85-114)	(80-119)	(89-112)
410-261566-2	2601130830	104	96	102	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(43-140)	(44-119)	(19-119)	(44-120)	(50-134)	(10-120)
LCS 410-759064/5-A	Lab Control Sample	94	77	39	64	111	32
MB 410-759064/4-A	Method Blank	86	83	52	84	111	38

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(43-140)	(44-119)	(19-119)	(44-120)	(50-134)	(10-120)
410-261566-2	2601130830	89	93	55	92	111	40

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

Surrogate Summary

Client: Tetra Tech Inc
Job ID: 410-261566-1
Project/Site: White Sands Test Facility, NM

NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		OTP	TFT								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
410-261566-2	2601130830	86	88								
LCS 410-759439/2-A	Lab Control Sample	88	94 M								
LCSD 410-759439/3-A	Lab Control Sample Dup	88	91								
MB 410-759439/1-A	Method Blank	86	89								

Surrogate Legend

OTP = o- terphenyl (Surr)
TFT = Trifluorotoluene (Surr)

Method: 8260D - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-761276/7
Matrix: Solid
Analysis Batch: 761276

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	<0.00060		0.0010	0.00060	0.00030	mg/L		01/28/26 10:22	1
Carbon tetrachloride	<0.00060		0.0010	0.00060	0.00030	mg/L		01/28/26 10:22	1
Chlorobenzene	<0.00060		0.0010	0.00060	0.00030	mg/L		01/28/26 10:22	1
Chloroform	<0.00060		0.0010	0.00060	0.00030	mg/L		01/28/26 10:22	1
1,2-Dichloroethane	<0.00060		0.0010	0.00060	0.00030	mg/L		01/28/26 10:22	1
1,1-Dichloroethene	<0.00060		0.0010	0.00060	0.00030	mg/L		01/28/26 10:22	1
2-Butanone (MEK)	<0.0010		0.010	0.0010	0.00050	mg/L		01/28/26 10:22	1
Tetrachloroethene	<0.00060		0.0010	0.00060	0.00030	mg/L		01/28/26 10:22	1
Trichloroethene	<0.00060		0.0010	0.00060	0.00030	mg/L		01/28/26 10:22	1
Vinyl chloride	<0.00060		0.0010	0.00060	0.00030	mg/L		01/28/26 10:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*81 - 118*		*01/28/26 10:22*	*1*
4-Bromofluorobenzene (Surr)	*94*		*85 - 114*		*01/28/26 10:22*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 119*		*01/28/26 10:22*	*1*
Toluene-d8 (Surr)	*95*		*89 - 112*		*01/28/26 10:22*	*1*

Lab Sample ID: LCS 410-761276/4
Matrix: Solid
Analysis Batch: 761276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0200	0.0178		mg/L		89	79 - 120		
Carbon tetrachloride			0.0200	0.0182		mg/L		91	72 - 136		
Chlorobenzene			0.0200	0.0186		mg/L		93	82 - 118		
Chloroform			0.0200	0.0175		mg/L		88	79 - 124		
1,2-Dichloroethane			0.0200	0.0162		mg/L		81	73 - 128		
1,1-Dichloroethene			0.0200	0.0192		mg/L		96	71 - 131		
2-Butanone (MEK)			0.250	0.204		mg/L		82	56 - 143		
Tetrachloroethene			0.0200	0.0195		mg/L		97	74 - 129		
Trichloroethene			0.0200	0.0178		mg/L		89	79 - 123		
Vinyl chloride			0.0200	0.0170		mg/L		85	58 - 137		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*81 - 118*
4-Bromofluorobenzene (Surr)	*94*		*85 - 114*
Dibromofluoromethane (Surr)	*98*		*80 - 119*
Toluene-d8 (Surr)	*97*		*89 - 112*

Lab Sample ID: LCSD 410-761276/5
Matrix: Solid
Analysis Batch: 761276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0200	0.0178		mg/L		89	79 - 120	0	30
Carbon tetrachloride			0.0200	0.0185		mg/L		92	72 - 136	1	30
Chlorobenzene			0.0200	0.0184		mg/L		92	82 - 118	1	30
Chloroform			0.0200	0.0176		mg/L		88	79 - 124	0	30

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-761276/5
Matrix: Solid
Analysis Batch: 761276

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethane			0.0200	0.0166		mg/L		83	73 - 128	3	30
1,1-Dichloroethene			0.0200	0.0197		mg/L		98	71 - 131	2	30
2-Butanone (MEK)			0.250	0.207		mg/L		83	56 - 143	1	30
Tetrachloroethene			0.0200	0.0193		mg/L		96	74 - 129	1	30
Trichloroethene			0.0200	0.0183		mg/L		91	79 - 123	2	30
Vinyl chloride			0.0200	0.0174		mg/L		87	58 - 137	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*81 - 118*
4-Bromofluorobenzene (Surr)	*94*		*85 - 114*
Dibromofluoromethane (Surr)	*100*		*80 - 119*
Toluene-d8 (Surr)	*97*		*89 - 112*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-759064/4-A
Matrix: Solid
Analysis Batch: 759307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759064

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 10:00	1
2,4,5-Trichlorophenol	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 10:00	1
2,4,6-Trichlorophenol	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 10:00	1
2,4-Dinitrotoluene	<0.010		0.025	0.010	0.0050	mg/L		01/22/26 10:00	1
2-Methylphenol	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 10:00	1
3,4-Methylphenol	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 10:00	1
Hexachlorobenzene	<0.0011		0.0025	0.0011	0.00055	mg/L		01/22/26 10:00	1
Hexachlorobutadiene	<0.0050		0.010	0.0050	0.0025	mg/L		01/22/26 10:00	1
Hexachloroethane	<0.0050		0.025	0.0050	0.0025	mg/L		01/22/26 10:00	1
Nitrobenzene	<0.0050	M	0.010	0.0050	0.0025	mg/L		01/22/26 10:00	1
Pentachlorophenol	<0.020		0.025	0.020	0.0050	mg/L		01/22/26 10:00	1
Pyridine	<0.020	M	0.025	0.020	0.010	mg/L		01/22/26 10:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*43 - 140*	*01/21/26 16:25*	*01/22/26 10:00*	*1*
2-Fluorobiphenyl (Surr)	*83*		*44 - 119*	*01/21/26 16:25*	*01/22/26 10:00*	*1*
2-Fluorophenol (Surr)	*52*		*19 - 119*	*01/21/26 16:25*	*01/22/26 10:00*	*1*
Nitrobenzene-d5 (Surr)	*84*		*44 - 120*	*01/21/26 16:25*	*01/22/26 10:00*	*1*
p-Terphenyl-d14 (Surr)	*111*		*50 - 134*	*01/21/26 16:25*	*01/22/26 10:00*	*1*
Phenol-d5 (Surr)	*38*		*10 - 120*	*01/21/26 16:25*	*01/22/26 10:00*	*1*

Lab Sample ID: LCS 410-759064/5-A
Matrix: Solid
Analysis Batch: 759307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759064

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dichlorobenzene			0.250	0.125		mg/L		50	42 - 120		
2,4,5-Trichlorophenol			0.250	0.233		mg/L		93	53 - 123		

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-759064/5-A
Matrix: Solid
Analysis Batch: 759307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,6-Trichlorophenol	0.250	0.229		mg/L		91	50 - 125
2,4-Dinitrotoluene	0.250	0.252		mg/L		101	57 - 128
2-Methylphenol	0.250	0.154		mg/L		62	30 - 117
3,4-Methylphenol	0.250	0.161		mg/L		65	29 - 110
Hexachlorobenzene	0.250	0.234		mg/L		94	53 - 125
Hexachlorobutadiene	0.250	0.135		mg/L		54	22 - 124
Hexachloroethane	0.250	0.115		mg/L		46	21 - 115
Nitrobenzene	0.250	0.165		mg/L		66	45 - 121
Pentachlorophenol	0.500	0.432		mg/L		86	35 - 138
Pyridine	0.500	0.159		mg/L		32	14 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*43 - 140*
2-Fluorobiphenyl (Surr)	*77*		*44 - 119*
2-Fluorophenol (Surr)	*39*		*19 - 119*
Nitrobenzene-d5 (Surr)	*64*		*44 - 120*
p-Terphenyl-d14 (Surr)	*111*		*50 - 134*
Phenol-d5 (Surr)	*32*		*10 - 120*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 410-759439/1-A
Matrix: Solid
Analysis Batch: 760817

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759439

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
>C12-C28	<20		20	20	10	mg/Kg		01/27/26 14:33	1
>C28-C35	<20		20	20	10	mg/Kg		01/27/26 14:33	1
C6-C12	<20		20	20	11	mg/Kg		01/27/26 14:33	1
C6-C35 Summary	<20		20	20	10	mg/Kg		01/27/26 14:33	1
C6-C28 Summary	<20		20	20	10	mg/Kg		01/27/26 14:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*86*		*70 - 130*	*01/22/26 11:30*	*01/27/26 14:33*	*1*
Trifluorotoluene (Surr)	*89*		*70 - 130*	*01/22/26 11:30*	*01/27/26 14:33*	*1*

Lab Sample ID: LCS 410-759439/2-A
Matrix: Solid
Analysis Batch: 760817

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759439

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
>C12-C28	252	232	M	mg/Kg		92	75 - 125
C6-C12	251	233	M	mg/Kg		93	75 - 125
C6-C28 Summary	503	465		mg/Kg		92	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o- terphenyl (Surr)	*88*		*70 - 130*
Trifluorotoluene (Surr)	*94*	*M*	*70 - 130*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: LCSD 410-759439/3-A
Matrix: Solid
Analysis Batch: 760817

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 759439

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
>C12-C28			252	218	M	mg/Kg		87	75 - 125	6	20
C6-C12			251	230	M	mg/Kg		92	75 - 125	1	20
C6-C28 Summary			503	448		mg/Kg		89	75 - 125	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o- terphenyl (Surr)	*88*		*70 - 130*
Trifluorotoluene (Surr)	*91*		*70 - 130*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-759036/1-A
Matrix: Solid
Analysis Batch: 759740

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 759036

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	<0.0170		0.0200	0.0170	0.00680	mg/L		01/22/26 19:16	1
Barium	<0.0160		0.0200	0.0160	0.00746	mg/L		01/22/26 19:16	1
Cadmium	<0.00400		0.00500	0.00400	0.00151	mg/L		01/22/26 19:16	1
Chromium	<0.0110		0.0200	0.0110	0.00550	mg/L		01/22/26 19:16	1
Lead	<0.00240		0.00500	0.00240	0.00120	mg/L		01/22/26 19:16	1
Selenium	<0.00600		0.0100	0.00600	0.00278	mg/L		01/22/26 19:16	1
Silver	<0.00300		0.00500	0.00300	0.00100	mg/L		01/22/26 19:16	1

Lab Sample ID: LCS 410-759036/2-A
Matrix: Solid
Analysis Batch: 759740

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 759036

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			5.00	5.132		mg/L		103	84 - 116
Barium			5.00	5.022		mg/L		100	86 - 114
Cadmium			0.500	0.5221		mg/L		104	87 - 115
Chromium			5.00	5.020		mg/L		100	85 - 116
Lead			0.500	0.5246		mg/L		105	88 - 115
Selenium			1.00	1.008		mg/L		101	80 - 120
Silver			0.500	0.5325		mg/L		106	85 - 116

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-759038/1-A
Matrix: Solid
Analysis Batch: 759379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759038

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	<0.160		0.200	0.160	0.0870	ug/L		01/22/26 07:49	1

Client: Tetra Tech Inc
Job ID: 410-261566-1
Project/Site: White Sands Test Facility, NM

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 410-759038/2-A
Matrix: Solid
Analysis Batch: 759379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.059		ug/L		106	82 - 119

QC Association Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-261566-1

GC/MS VOA

Leach Batch: 758111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	TCLP	Solid	1311	

Analysis Batch: 761276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	TCLP	Solid	8260D	758111
MB 410-761276/7	Method Blank	Total/NA	Solid	8260D	
LCS 410-761276/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 410-761276/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Leach Batch: 758143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	TCLP	Solid	1311	

Prep Batch: 759064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	TCLP	Solid	3510C	758143
MB 410-759064/4-A	Method Blank	Total/NA	Solid	3510C	
LCS 410-759064/5-A	Lab Control Sample	Total/NA	Solid	3510C	

Analysis Batch: 759307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	TCLP	Solid	8270E	759064
MB 410-759064/4-A	Method Blank	Total/NA	Solid	8270E	759064
LCS 410-759064/5-A	Lab Control Sample	Total/NA	Solid	8270E	759064

GC Semi VOA

Prep Batch: 759439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	Total/NA	Solid	TX_1005_S_Prep	
MB 410-759439/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Prep	
LCS 410-759439/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Prep	
LCSD 410-759439/3-A	Lab Control Sample Dup	Total/NA	Solid	TX_1005_S_Prep	

Analysis Batch: 760817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	Total/NA	Solid	TX 1005	759439
MB 410-759439/1-A	Method Blank	Total/NA	Solid	TX 1005	759439
LCS 410-759439/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	759439
LCSD 410-759439/3-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	759439

Metals

Leach Batch: 758143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	TCLP	Solid	1311	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-261566-1

Metals

Prep Batch: 759036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	TCLP	Solid	3005A	758143
MB 410-759036/1-A	Method Blank	Total Recoverable	Solid	3005A	
LCS 410-759036/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	

Prep Batch: 759038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	TCLP	Solid	7470A	758143
MB 410-759038/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 410-759038/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 759379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	TCLP	Solid	7470A	759038
MB 410-759038/1-A	Method Blank	Total/NA	Solid	7470A	759038
LCS 410-759038/2-A	Lab Control Sample	Total/NA	Solid	7470A	759038

Analysis Batch: 759740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	TCLP	Solid	6020B	759036
MB 410-759036/1-A	Method Blank	Total Recoverable	Solid	6020B	759036
LCS 410-759036/2-A	Lab Control Sample	Total Recoverable	Solid	6020B	759036

General Chemistry

Analysis Batch: 758579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-261566-2	2601130830	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Tetra Tech Inc
Job ID: 410-261566-1
Project/Site: White Sands Test Facility, NM

Client Sample ID: 2601130830
Lab Sample ID: 410-261566-2
Date Collected: 01/13/26 08:30
Matrix: Solid
Date Received: 01/15/26 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			758111	UNWS	ELLE	01/20/26 14:40 - 01/21/26 06:50 [1]
TCLP	Analysis	8260D		20	761276	TQ4J	ELLE	01/28/26 15:56
TCLP	Leach	1311			758143	UNWS	ELLE	01/20/26 16:38 - 01/21/26 10:34 [1]
TCLP	Prep	3510C			759064	JDJ2	ELLE	01/21/26 16:25
TCLP	Analysis	8270E		1	759307	NED	ELLE	01/22/26 13:48
TCLP	Leach	1311			758143	UNWS	ELLE	01/20/26 16:38 - 01/21/26 10:34 [1]
TCLP	Prep	3005A			759036	UJL8	ELLE	01/22/26 08:13
TCLP	Analysis	6020B		1	759740	LHF4	ELLE	01/22/26 19:44
TCLP	Leach	1311			758143	UNWS	ELLE	01/20/26 16:38 - 01/21/26 10:34 [1]
TCLP	Prep	7470A			759038	UJL8	ELLE	01/22/26 04:00
TCLP	Analysis	7470A		1	759379	X3ZX	ELLE	01/22/26 08:06
Total/NA	Analysis	Moisture		1	758579	VGDO	ELLE	01/20/26 21:30

Client Sample ID: 2601130830
Lab Sample ID: 410-261566-2
Date Collected: 01/13/26 08:30
Matrix: Solid
Date Received: 01/15/26 10:00
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	TX_1005_S_Prep			759439	MD4W	ELLE	01/22/26 11:30
Total/NA	Analysis	TX 1005		1	760817	KP5X	ELLE	01/27/26 16:07

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Tetra Tech Inc
Job ID: 410-261566-1
Project/Site: White Sands Test Facility, NM

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture

Pennsylvania	NELAP	36-00037	01-31-27

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture

Method Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-261566-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds (GC/MS)	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
1311	TCLP Extraction	SW846	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
TX_1005_S_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	ELLE

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-261566-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-261566-2	2601130830	Solid	01/13/26 08:30	01/15/26 10:00	New Mexico

E
24
La
Ph
ıme

410-261566 Chain of Custody

Chain of Custody Record

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Cl.	Sampler: GA, BS	Lab PM: Gordon, Stephen J	Carrier Tracking No(s):	COC No: 410-175812-49336.1
Client Contact: Sarah Damphousse	Phone: 831-220-9227 / 607-377-9796	E-Mail: Stephen.Gordon@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 1
Company: Tetra Tech Inc	PWSID:	Analysis Requested		Job #:
Address: 400 Penn Center Boulevard Suite 700	Due Date Requested: Standard			Preservation Codes: N - None, A - HCL
City: Pittsburgh	TAT Requested (days): Standard			
State, Zip: PA, 15235	Compliance Project: Δ Yes Δ No			
Phone: 407-808-1414	PO #: 1223283			
Email: Sarah.Damphousse@tetratech.com	WO #:			
Project Name: White Sands Test Facility, NM	Project #: 41028206			Other:
Site: 600C-003-GW	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D_DOD6 - TCLP VOCs	6020B_DOD6, 7470A_DOD6, 8270E_DOD6	9040C - pH, Temperature, Corrosivity	1010B - Local Method	TX_1005 - TX 1005	Moisture - Percent Moisture	TX_1005 - TX 1005	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	A	N	N		
260113-TB01	-	-	-	Water			2								Trip blank - ask PM if analysis is required by lab
				Water											
				Water											
260113 0830	1/13/26	0830	C	Solid			1	1				1	2		Soil IAW 600C-003-GW
				Solid											
				Solid											

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Grace Ashmore	Date/Time: 1/13/26 1730	Company: Tetra Tech	Received by: Fedex	Date/Time: 1/13/26 1730	Company: Fedex ~~Tetra Tech 6P~~
Relinquished by: Ben Seiderman	Date/Time: 1/13/26 1730	Company: Tetra Tech	Received by: Fedex	Date/Time: 1/13/26 1730	Company: Fedex
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 1/15/26 1000	Company: ELLET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 23.5 - 23.2

mb

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 410-261566-1

Login Number: 261566
List Number: 1
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Damphousse
Tetra Tech Inc
661 ANdersen Drive
Foster Plaza 7
Suite 200
Pittsburgh, Pennsylvania 15220

Generated 2/6/2026 8:14:29 AM

JOB DESCRIPTION

White Sands Test Facility, NM

JOB NUMBER

410-262536-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
2/6/2026 8:14:29 AM

Authorized for release by
Stephen Gordon, Senior Project Manager
Stephen.Gordon@et.eurofinsus.com
(412)525-0071

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· 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.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Tetra Tech Inc
Job ID: 410-262536-1
Project/Site: White Sands Test Facility, NM

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
D	The reported value is from a dilution.

GC/MS Semi VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
M	Manual integrated compound.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M	Manual integrated compound.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-262536-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 1/22/2026 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E - TCLP: Internal standard (ISTD) response for Perylene-d12 in the MB was outside of acceptance limits: 2601201500 (410-262536-1). None of the compounds reported in the MB are associated with this ISTD; therefore, the data is reported.

Method 8270E - TCLP: The continuing calibration verification (CCV) associated with batch 410-764398 recovered above the upper control limit for 3,4-Methylphenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-262536-1

Client Sample ID: 2601201500 — Lab Sample ID: 410-262536-1

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
>C12-C28	0.71	J	1.8	1.2	0.66	mg/L	1		TX 1005	Total/NA
C6-C35 Summary	0.71	J	1.8	1.2	0.66	mg/L	1		TX 1005	Total/NA
Barium	0.0238		0.0200	0.0160	0.00746	mg/L	1		6020B	TCLP
Flashpoint	152		50.0	50.0	50.0	Degrees F	1		1010B	Total/NA
pH	7.8	HF	0.01	0.01	0.01	S.U.	1		9040C	Total/NA
Temperature	19.4	HF	0.01	0.01	0.01	Degrees C	1		9040C	Total/NA
Corrosivity	No	HF	0.01	0.01	0.01	NONE	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2601201500

Date Collected: 01/20/26 15:00
Date Received: 01/22/26 11:00

Lab Sample ID: 410-262536-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	<0.012		0.020	0.012	0.0060	mg/L		02/05/26 05:20	20
Carbon tetrachloride	<0.012		0.020	0.012	0.0060	mg/L		02/05/26 05:20	20
Chlorobenzene	<0.012		0.020	0.012	0.0060	mg/L		02/05/26 05:20	20
Chloroform	<0.012		0.020	0.012	0.0060	mg/L		02/05/26 05:20	20
1,2-Dichloroethane	<0.012		0.020	0.012	0.0060	mg/L		02/05/26 05:20	20
1,1-Dichloroethene	<0.012		0.020	0.012	0.0060	mg/L		02/05/26 05:20	20
2-Butanone (MEK)	<0.020		0.20	0.020	0.010	mg/L		02/05/26 05:20	20
Tetrachloroethene	<0.012		0.020	0.012	0.0060	mg/L		02/05/26 05:20	20
Trichloroethene	<0.012		0.020	0.012	0.0060	mg/L		02/05/26 05:20	20
Vinyl chloride	<0.012		0.020	0.012	0.0060	mg/L		02/05/26 05:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 118*		*02/05/26 05:20*	*20*
4-Bromofluorobenzene (Surr)	*105*		*85 - 114*		*02/05/26 05:20*	*20*
Dibromofluoromethane (Surr)	*91*		*80 - 119*		*02/05/26 05:20*	*20*
Toluene-d8 (Surr)	*98*		*89 - 112*		*02/05/26 05:20*	*20*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0050	cn	0.010	0.0050	0.0025	mg/L		02/04/26 12:25	1
2,4,5-Trichlorophenol	<0.0050	cn	0.010	0.0050	0.0025	mg/L		02/04/26 12:25	1
2,4,6-Trichlorophenol	<0.0050	cn	0.010	0.0050	0.0025	mg/L		02/04/26 12:25	1
2,4-Dinitrotoluene	<0.010	cn	0.025	0.010	0.0050	mg/L		02/04/26 12:25	1
2-Methylphenol	<0.0050	cn	0.010	0.0050	0.0025	mg/L		02/04/26 12:25	1
3,4-Methylphenol	<0.0050	^c cn	0.010	0.0050	0.0025	mg/L		02/04/26 12:25	1
Hexachlorobenzene	<0.0011	M cn	0.0025	0.0011	0.00055	mg/L		02/04/26 12:25	1
Hexachlorobutadiene	<0.0050	cn	0.010	0.0050	0.0025	mg/L		02/04/26 12:25	1
Hexachloroethane	<0.0050	cn	0.025	0.0050	0.0025	mg/L		02/04/26 12:25	1
Nitrobenzene	<0.0050	M cn	0.010	0.0050	0.0025	mg/L		02/04/26 12:25	1
Pentachlorophenol	<0.020	cn	0.025	0.020	0.0050	mg/L		02/04/26 12:25	1
Pyridine	<0.020	cn	0.025	0.020	0.010	mg/L		02/04/26 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*	*cn*	*43 - 140*	*02/03/26 16:03*	*02/04/26 12:25*	*1*
2-Fluorobiphenyl (Surr)	*88*	*cn*	*44 - 119*	*02/03/26 16:03*	*02/04/26 12:25*	*1*
2-Fluorophenol (Surr)	*67*	*cn*	*19 - 119*	*02/03/26 16:03*	*02/04/26 12:25*	*1*
Nitrobenzene-d5 (Surr)	*86*	*cn*	*44 - 120*	*02/03/26 16:03*	*02/04/26 12:25*	*1*
p-Terphenyl-d14 (Surr)	*115*	*cn*	*50 - 134*	*02/03/26 16:03*	*02/04/26 12:25*	*1*
Phenol-d5 (Surr)	*49*	*cn*	*10 - 120*	*02/03/26 16:03*	*02/04/26 12:25*	*1*

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
>C12-C28	**0.71**	**J**	1.8	1.2	0.66	mg/L		02/02/26 21:24	1
>C28-C35	<1.2		1.8	1.2	0.66	mg/L		02/02/26 21:24	1
C6-C12	<1.2		1.8	1.2	0.74	mg/L		02/02/26 21:24	1
C6-C35 Summary	**0.71**	**J**	1.8	1.2	0.66	mg/L		02/02/26 21:24	1
C6-C28 Summary	<3.3		3.4	3.3	1.6	mg/L		02/02/26 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*82*		*70 - 130*	*01/29/26 10:05*	*02/02/26 21:24*	*1*
Trifluorotoluene (Surr)	*88*		*70 - 130*	*01/29/26 10:05*	*02/02/26 21:24*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-262536-1

Client Sample ID: 2601201500

Date Collected: 01/20/26 15:00
Date Received: 01/22/26 11:00

Lab Sample ID: 410-262536-1

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	<0.0170		0.0200	0.0170	0.00680	mg/L		02/03/26 11:11	1
Barium	**0.0238**		0.0200	0.0160	0.00746	mg/L		02/03/26 11:11	1
Cadmium	<0.00400		0.00500	0.00400	0.00151	mg/L		02/03/26 11:11	1
Chromium	<0.0110		0.0200	0.0110	0.00550	mg/L		02/03/26 11:11	1
Lead	<0.00240		0.00500	0.00240	0.00120	mg/L		02/03/26 11:11	1
Selenium	<0.00600		0.0100	0.00600	0.00278	mg/L		02/03/26 14:17	1
Silver	<0.00300		0.00500	0.00300	0.00100	mg/L		02/03/26 11:11	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	<0.160		0.200	0.160	0.0870	ug/L		02/03/26 11:58	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Flashpoint (SW846 1010B)	**152**		50.0	50.0	50.0	Degrees F		02/03/26 08:35	1
pH (SW846 9040C)	**7.8**	**HF**	0.01	0.01	0.01	S.U.		01/27/26 14:12	1
Temperature (SW846 9040C)	**19.4**	**HF**	0.01	0.01	0.01	Degrees C		01/27/26 14:12	1
Corrosivity (SW846 9040C)	**No**	**HF**	0.01	0.01	0.01	NONE		01/27/26 14:12	1

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-262536-1

Method: 8260D - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(81-118)	(85-114)	(80-119)	(89-112)
LCS 410-764753/4	Lab Control Sample	100	103	91	101
MB 410-764753/7	Method Blank	101	104	92	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(81-118)	(85-114)	(80-119)	(89-112)
410-262536-1	2601201500	101	105	91	98
410-262536-1 MS	2601201500	97	103	91	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(43-140)	(44-119)	(19-119)	(44-120)	(50-134)	(10-120)
LCS 410-764129/5-A	Lab Control Sample	96	83	58	78	114	40
MB 410-764129/2-A	Method Blank	103	88	68	83	129	48

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(43-140)	(44-119)	(19-119)	(44-120)	(50-134)	(10-120)
410-262536-1	2601201500	86 cn	88 cn	67 cn	86 cn	115 cn	49 cn

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

Surrogate Summary

Client: Tetra Tech Inc
Job ID: 410-262536-1
Project/Site: White Sands Test Facility, NM

NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		OTP	TFT								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
410-262536-1	2601201500	82	88								
LCS 410-762027/2-A	Lab Control Sample	79	83 M								
LCSD 410-762027/3-A	Lab Control Sample Dup	82	87 M								
MB 410-762027/1-A	Method Blank	83	86								

Surrogate Legend

OTP = o- terphenyl (Surr)
TFT = Trifluorotoluene (Surr)

QC Sample Results

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-262536-1

Method: 8260D - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-764753/7
Matrix: Water
Analysis Batch: 764753

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Benzene	<0.00060		0.0010	0.00060	0.00030	mg/L		02/04/26 21:02	1
Carbon tetrachloride	<0.00060		0.0010	0.00060	0.00030	mg/L		02/04/26 21:02	1
Chlorobenzene	<0.00060		0.0010	0.00060	0.00030	mg/L		02/04/26 21:02	1
Chloroform	<0.00060		0.0010	0.00060	0.00030	mg/L		02/04/26 21:02	1
1,2-Dichloroethane	<0.00060		0.0010	0.00060	0.00030	mg/L		02/04/26 21:02	1
1,1-Dichloroethene	<0.00060		0.0010	0.00060	0.00030	mg/L		02/04/26 21:02	1
2-Butanone (MEK)	<0.0010		0.010	0.0010	0.00050	mg/L		02/04/26 21:02	1
Tetrachloroethene	<0.00060		0.0010	0.00060	0.00030	mg/L		02/04/26 21:02	1
Trichloroethene	<0.00060		0.0010	0.00060	0.00030	mg/L		02/04/26 21:02	1
Vinyl chloride	<0.00060		0.0010	0.00060	0.00030	mg/L		02/04/26 21:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 118*		*02/04/26 21:02*	*1*
4-Bromofluorobenzene (Surr)	*104*		*85 - 114*		*02/04/26 21:02*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 119*		*02/04/26 21:02*	*1*
Toluene-d8 (Surr)	*97*		*89 - 112*		*02/04/26 21:02*	*1*

Lab Sample ID: LCS 410-764753/4
Matrix: Water
Analysis Batch: 764753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0200	0.0209		mg/L		104	79 - 120		
Carbon tetrachloride			0.0200	0.0162		mg/L		81	72 - 136		
Chlorobenzene			0.0200	0.0209		mg/L		105	82 - 118		
Chloroform			0.0200	0.0187		mg/L		94	79 - 124		
1,2-Dichloroethane			0.0200	0.0188		mg/L		94	73 - 128		
1,1-Dichloroethene			0.0200	0.0186		mg/L		93	71 - 131		
2-Butanone (MEK)			0.250	0.280		mg/L		112	56 - 143		
Tetrachloroethene			0.0200	0.0180		mg/L		90	74 - 129		
Trichloroethene			0.0200	0.0194		mg/L		97	79 - 123		
Vinyl chloride			0.0200	0.0157		mg/L		78	58 - 137		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*81 - 118*
4-Bromofluorobenzene (Surr)	*103*		*85 - 114*
Dibromofluoromethane (Surr)	*91*		*80 - 119*
Toluene-d8 (Surr)	*101*		*89 - 112*

Lab Sample ID: 410-262536-1 MS
Matrix: Water
Analysis Batch: 764753

Client Sample ID: 2601201500
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.012		0.400	0.440	D	mg/L		110	79 - 120		
Carbon tetrachloride	<0.012		0.400	0.351	D	mg/L		88	72 - 136		
Chlorobenzene	<0.012		0.400	0.424	D	mg/L		106	82 - 118		
Chloroform	<0.012		0.400	0.401	D	mg/L		100	79 - 124		

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-262536-1 MS
Matrix: Water
Analysis Batch: 764753

Client Sample ID: 2601201500
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	<0.012		0.400	0.386	D	mg/L		96	73 - 128
1,1-Dichloroethene	<0.012		0.400	0.401	D	mg/L		100	71 - 131
2-Butanone (MEK)	<0.020		5.00	5.36	D	mg/L		107	56 - 143
Tetrachloroethene	<0.012		0.400	0.377	D	mg/L		94	74 - 129
Trichloroethene	<0.012		0.400	0.424	D	mg/L		106	79 - 123
Vinyl chloride	<0.012		0.400	0.340	D	mg/L		85	58 - 137

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 118*
4-Bromofluorobenzene (Surr)	*103*		*85 - 114*
Dibromofluoromethane (Surr)	*91*		*80 - 119*
Toluene-d8 (Surr)	*100*		*89 - 112*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-764129/2-A
Matrix: Water
Analysis Batch: 764398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 764129

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0050		0.010	0.0050	0.0025	mg/L		02/04/26 09:38	1
2,4,5-Trichlorophenol	<0.0050		0.010	0.0050	0.0025	mg/L		02/04/26 09:38	1
2,4,6-Trichlorophenol	<0.0050		0.010	0.0050	0.0025	mg/L		02/04/26 09:38	1
2,4-Dinitrotoluene	<0.010		0.025	0.010	0.0050	mg/L		02/04/26 09:38	1
2-Methylphenol	<0.0050		0.010	0.0050	0.0025	mg/L		02/04/26 09:38	1
3,4-Methylphenol	<0.0050		0.010	0.0050	0.0025	mg/L		02/04/26 09:38	1
Hexachlorobenzene	<0.0011		0.0025	0.0011	0.00055	mg/L		02/04/26 09:38	1
Hexachlorobutadiene	<0.0050		0.010	0.0050	0.0025	mg/L		02/04/26 09:38	1
Hexachloroethane	<0.0050		0.025	0.0050	0.0025	mg/L		02/04/26 09:38	1
Nitrobenzene	<0.0050	M	0.010	0.0050	0.0025	mg/L		02/04/26 09:38	1
Pentachlorophenol	<0.020		0.025	0.020	0.0050	mg/L		02/04/26 09:38	1
Pyridine	<0.020		0.025	0.020	0.010	mg/L		02/04/26 09:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*43 - 140*	*02/03/26 16:03*	*02/04/26 09:38*	*1*
2-Fluorobiphenyl (Surr)	*88*		*44 - 119*	*02/03/26 16:03*	*02/04/26 09:38*	*1*
2-Fluorophenol (Surr)	*68*		*19 - 119*	*02/03/26 16:03*	*02/04/26 09:38*	*1*
Nitrobenzene-d5 (Surr)	*83*		*44 - 120*	*02/03/26 16:03*	*02/04/26 09:38*	*1*
p-Terphenyl-d14 (Surr)	*129*		*50 - 134*	*02/03/26 16:03*	*02/04/26 09:38*	*1*
Phenol-d5 (Surr)	*48*		*10 - 120*	*02/03/26 16:03*	*02/04/26 09:38*	*1*

Lab Sample ID: LCS 410-764129/5-A
Matrix: Water
Analysis Batch: 764398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 764129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.250	0.160		mg/L		64	42 - 120
2,4,5-Trichlorophenol	0.250	0.255		mg/L		102	53 - 123

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-764129/5-A
Matrix: Water
Analysis Batch: 764398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 764129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,6-Trichlorophenol	0.250	0.255		mg/L		102	50 - 125
2,4-Dinitrotoluene	0.250	0.214		mg/L		86	57 - 128
2-Methylphenol	0.250	0.220		mg/L		88	30 - 117
3,4-Methylphenol	0.250	0.187		mg/L		75	29 - 110
Hexachlorobenzene	0.250	0.243		mg/L		97	53 - 125
Hexachlorobutadiene	0.250	0.185		mg/L		74	22 - 124
Hexachloroethane	0.250	0.141		mg/L		56	21 - 115
Nitrobenzene	0.250	0.200		mg/L		80	45 - 121
Pentachlorophenol	0.500	0.450		mg/L		90	35 - 138
Pyridine	0.500	0.153	M	mg/L		31	14 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*43 - 140*
2-Fluorobiphenyl (Surr)	*83*		*44 - 119*
2-Fluorophenol (Surr)	*58*		*19 - 119*
Nitrobenzene-d5 (Surr)	*78*		*44 - 120*
p-Terphenyl-d14 (Surr)	*114*		*50 - 134*
Phenol-d5 (Surr)	*40*		*10 - 120*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 410-762027/1-A
Matrix: Water
Analysis Batch: 763478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 762027

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
>C12-C28	<1.2		1.9	1.2	0.68	mg/L		02/02/26 18:50	1
>C28-C35	<1.2		1.9	1.2	0.68	mg/L		02/02/26 18:50	1
C6-C12	<1.2		1.9	1.2	0.77	mg/L		02/02/26 18:50	1
C6-C35 Summary	<1.2		1.9	1.2	0.68	mg/L		02/02/26 18:50	1
C6-C28 Summary	<3.4		3.5	3.4	1.7	mg/L		02/02/26 18:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*83*		*70 - 130*	*01/29/26 10:05*	*02/02/26 18:50*	*1*
Trifluorotoluene (Surr)	*86*		*70 - 130*	*01/29/26 10:05*	*02/02/26 18:50*	*1*

Lab Sample ID: LCS 410-762027/2-A
Matrix: Water
Analysis Batch: 763478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 762027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
>C12-C28	30.9	25.6	M	mg/L		83	75 - 125
C6-C12	30.8	25.2	M	mg/L		82	75 - 125
C6-C28 Summary	61.7	50.8		mg/L		82	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o- terphenyl (Surr)	*79*		*70 - 130*
Trifluorotoluene (Surr)	*83*	*M*	*70 - 130*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: LCSD 410-762027/3-A
Matrix: Water
Analysis Batch: 763478

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 762027

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
>C12-C28			31.0	26.5	M	mg/L		85	75 - 125	4	20
C6-C12			30.9	26.1	M	mg/L		84	75 - 125	3	20
C6-C28 Summary			61.9	52.6		mg/L		85	75 - 125	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o- terphenyl (Surr)	*82*		*70 - 130*
Trifluorotoluene (Surr)	*87*	*M*	*70 - 130*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-763674/1-A
Matrix: Water
Analysis Batch: 763960

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 763674

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	<0.0170		0.0200	0.0170	0.00680	mg/L		02/03/26 10:16	1
Barium	<0.0160		0.0200	0.0160	0.00746	mg/L		02/03/26 10:16	1
Cadmium	<0.00400		0.00500	0.00400	0.00151	mg/L		02/03/26 10:16	1
Chromium	<0.0110		0.0200	0.0110	0.00550	mg/L		02/03/26 10:16	1
Lead	<0.00240		0.00500	0.00240	0.00120	mg/L		02/03/26 10:16	1
Silver	<0.00300		0.00500	0.00300	0.00100	mg/L		02/03/26 10:16	1

Lab Sample ID: MB 410-763674/1-A
Matrix: Water
Analysis Batch: 764068

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 763674

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Selenium	<0.00600		0.0100	0.00600	0.00278	mg/L		02/03/26 13:42	1

Lab Sample ID: LCS 410-763674/2-A
Matrix: Water
Analysis Batch: 763960

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 763674

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			5.00	5.145		mg/L		103	84 - 116
Barium			5.00	5.084		mg/L		102	86 - 114
Cadmium			0.500	0.5133		mg/L		103	87 - 115
Chromium			5.00	4.977		mg/L		100	85 - 116
Lead			0.500	0.5216		mg/L		104	88 - 115
Silver			0.500	0.5076		mg/L		102	85 - 116

Lab Sample ID: LCS 410-763674/2-A
Matrix: Water
Analysis Batch: 764068

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 763674

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium			1.00	0.9907		mg/L		99	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-763676/1-A
Matrix: Water
Analysis Batch: 764003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 763676

Analyte	MB Result	MB Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Mercury	<0.160		0.200	0.160	0.0870	ug/L		02/03/26 11:41	1

Lab Sample ID: LCS 410-763676/2-A
Matrix: Water
Analysis Batch: 764003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 763676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.131		ug/L		113	82 - 119

Method: 1010B - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 410-763829/1
Matrix: Water
Analysis Batch: 763829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Flashpoint	127	130.0		Degrees F		102	90 - 110

Lab Sample ID: LCSD 410-763829/2
Matrix: Water
Analysis Batch: 763829

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Flashpoint	127	131.0		Degrees F		103	90 - 110	1	4

Method: 9040C - pH

Lab Sample ID: LCS 410-761001/1
Matrix: Water
Analysis Batch: 761001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	6.9		S.U.		99	95 - 105

Lab Sample ID: 410-262536-1 DU
Matrix: Water
Analysis Batch: 761001

Client Sample ID: 2601201500
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.8	HF	7.8		S.U.		0.1	4
Temperature	19.4	HF	19.4		Degrees C		0	4
Corrosivity	No	HF	No		NONE		NaN	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-262536-1

GC/MS VOA

Leach Batch: 760875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	1311	
410-262536-1 MS	2601201500	TCLP	Water	1311	

Analysis Batch: 764753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	8260D	760875
MB 410-764753/7	Method Blank	Total/NA	Water	8260D	
LCS 410-764753/4	Lab Control Sample	Total/NA	Water	8260D	
410-262536-1 MS	2601201500	TCLP	Water	8260D	760875

GC/MS Semi VOA

Leach Batch: 763395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	1311	

Prep Batch: 764129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	3510C	763395
MB 410-764129/2-A	Method Blank	Total/NA	Water	3510C	
LCS 410-764129/5-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 764398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	8270E	764129
MB 410-764129/2-A	Method Blank	Total/NA	Water	8270E	764129
LCS 410-764129/5-A	Lab Control Sample	Total/NA	Water	8270E	764129

GC Semi VOA

Prep Batch: 762027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	Total/NA	Water	TX_1005_W_Prep	
MB 410-762027/1-A	Method Blank	Total/NA	Water	TX_1005_W_Prep	
LCS 410-762027/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Prep	
LCSD 410-762027/3-A	Lab Control Sample Dup	Total/NA	Water	TX_1005_W_Prep	

Analysis Batch: 763478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	Total/NA	Water	TX 1005	762027
MB 410-762027/1-A	Method Blank	Total/NA	Water	TX 1005	762027
LCS 410-762027/2-A	Lab Control Sample	Total/NA	Water	TX 1005	762027
LCSD 410-762027/3-A	Lab Control Sample Dup	Total/NA	Water	TX 1005	762027

Metals

Leach Batch: 763395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	1311	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-262536-1

Metals

Prep Batch: 763674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	3005A	763395
MB 410-763674/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-763674/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 763676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	7470A	763395
MB 410-763676/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-763676/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 763960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	6020B	763674
MB 410-763674/1-A	Method Blank	Total Recoverable	Water	6020B	763674
LCS 410-763674/2-A	Lab Control Sample	Total Recoverable	Water	6020B	763674

Analysis Batch: 764003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	7470A	763676
MB 410-763676/1-A	Method Blank	Total/NA	Water	7470A	763676
LCS 410-763676/2-A	Lab Control Sample	Total/NA	Water	7470A	763676

Analysis Batch: 764068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	TCLP	Water	6020B	763674
MB 410-763674/1-A	Method Blank	Total Recoverable	Water	6020B	763674
LCS 410-763674/2-A	Lab Control Sample	Total Recoverable	Water	6020B	763674

General Chemistry

Analysis Batch: 761001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	Total/NA	Water	9040C	
LCS 410-761001/1	Lab Control Sample	Total/NA	Water	9040C	
410-262536-1 DU	2601201500	Total/NA	Water	9040C	

Analysis Batch: 763829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-262536-1	2601201500	Total/NA	Water	1010B	
LCS 410-763829/1	Lab Control Sample	Total/NA	Water	1010B	
LCSD 410-763829/2	Lab Control Sample Dup	Total/NA	Water	1010B	

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-262536-1

Client Sample ID: 2601201500

Date Collected: 01/20/26 15:00
Date Received: 01/22/26 11:00

Lab Sample ID: 410-262536-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			760875	ZL4A	ELLE	01/27/26 14:00 - 01/27/26 14:40 [1]
TCLP	Analysis	8260D		20	764753	VY7Q	ELLE	02/05/26 05:20
TCLP	Leach	1311			763395	UNWS	ELLE	02/02/26 16:15 - 02/02/26 19:30 [1]
TCLP	Prep	3510C			764129	T9CY	ELLE	02/03/26 16:03
TCLP	Analysis	8270E		1	764398	RN6U	ELLE	02/04/26 12:25
Total/NA	Prep	TX_1005_W_Prep			762027	MD4W	ELLE	01/29/26 10:05
Total/NA	Analysis	TX 1005		1	763478	UHEW	ELLE	02/02/26 21:24
TCLP	Leach	1311			763395	UNWS	ELLE	02/02/26 16:15 - 02/02/26 19:30 [1]
TCLP	Prep	3005A			763674	UJL8	ELLE	02/03/26 01:10
TCLP	Analysis	6020B		1	763960	SAM2	ELLE	02/03/26 11:11
TCLP	Leach	1311			763395	UNWS	ELLE	02/02/26 16:15 - 02/02/26 19:30 [1]
TCLP	Prep	3005A			763674	UJL8	ELLE	02/03/26 01:10
TCLP	Analysis	6020B		1	764068	SAM2	ELLE	02/03/26 14:17
TCLP	Leach	1311			763395	UNWS	ELLE	02/02/26 16:15 - 02/02/26 19:30 [1]
TCLP	Prep	7470A			763676	UAMX	ELLE	02/03/26 08:43
TCLP	Analysis	7470A		1	764003	X3ZX	ELLE	02/03/26 11:58
Total/NA	Analysis	1010B		1	763829	B6LN	ELLE	02/03/26 08:35 - 02/03/26 13:59 [1]
Total/NA	Analysis	9040C		1	761001	DX8K	ELLE	01/27/26 14:12

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Tetra Tech Inc
Job ID: 410-262536-1
Project/Site: White Sands Test Facility, NM

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
Pennsylvania	NELAP	36-00037	01-31-27

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
9040C		Water	Corrosivity

Method Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-262536-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds (GC/MS)	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
1010B	Ignitability, Pensky-Martens Closed-Cup Method	SW846	ELLE
9040C	pH	SW846	ELLE
1311	TCLP Extraction	SW846	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
TX_1005_W_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TCEQ = Texas Commission of Environmental Quality

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Tetra Tech Inc
Project/Site: White Sands Test Facility, NM

Job ID: 410-262536-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-262536-1	2601201500	Water	01/20/26 15:00	01/22/26 11:00	New Mexico



410-262536 Chain of Custody

environme

1 cooler Pg 1 of 1

Chain of Custody Record

eurofins | Environment Testing

Sampler: Grace Ashmore, Ben Seiderm	Lab PM: Gordon, Stephen J	Carrier Tracking No(s):	COC No: 410-175812-49336.1
Client Contact: Sarah Damphousse	Phone: 831-220-9227 (GA)	E-Mail: Stephen.Gordon@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 1
Company: Tetra Tech Inc	PWSID:			Job #:
Address: 400 Penn Center Boulevard Suite 700	Due Date Requested: 10 days	Analysis Requested		Preservation Codes: N - None A - HCL 40 mL unpreserved
City: Pittsburgh	TAT Requested (days): 10 days			* Note: one vial of lid is cracked (during collection) but not leaking - packed in separate Ziploc in cooler
State, Zip: PA, 15235	Compliance Project: Δ Yes Δ No			
Phone: 407-808-1414	PO #: 1223283			
Email: Sarah.Damphousse@tetratech.com	WO #:			
Project Name: White Sands Test Facility, NM	Project #: 41028206			
Site: 600C-003-GW	SSOW#:			Other: cooler

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D_DOD6 - TCLP VOCs	6020B_DOD6, 7470A_DOD6, 8270E_DOD6 *	9040C - pH, Temperature, Corrosivity	1010B - Local Method	TX_1005 - TX 1005	Moisture - Percent Moisture	TX_1005 - TX 1005	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N	A	N	N		
260120150O	1/20/26	1500	C	Water			3	3	1	1	2				Water IDW 600C-003-GW
260120-TB02	—	—	—	Water			2								Trip blank #2 - ask PM if analysis required by lab
				Water											
				Solid			2								
				Solid											
				Solid											

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Ben Seiderman	Date/Time: 1/20/26 1745	Company: Tetra Tech	Received by: Fedex	Date/Time: 1/20/26 1745	Company: Fedex
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/22/26 1100	Company

Custody Seals Intact: ☒ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: R: .2 C: 1.5

CB

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 410-262536-1

Login Number: 262536
List Number: 1
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	